



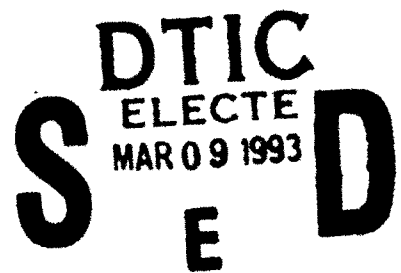
2

COMPUTER ASSISTED MEDICAL DIAGNOSIS (CAMD) SYSTEM
VERSION 1.0
TECHNICAL MANUAL

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Computer Assisted Medical Diagnosis (CAMD) System
Version 1.0
Technical Manual

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SUMMARY

This technical manual contains the information on the program code, data elements, file structures needed to maintain the Computer Assisted Medical Diagnostic System. This documentation was created using the FOXDOC Version 2.0 program.

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Introduction. This document was created using the FOXDOC Version 2.0 program to generate the technical documentation for the Computer Assisted Medical Diagnosis System (CAMD) system. The documentation is separated into eight sections (1) System Summary, (2) Menu Summary, (3) Screen Summary, (4) Report Form File Summary, (5) Data Dictionary, (6) Tree Diagram, (7) Procedure Summary, and (8) Program Source Code.

Section I. System Summary. See the tree diagram for programs, procedures, functions and format files.

This system has:

- 17695 lines of code
 - 1 program file
 - 59 procedure files
- 301 procedures and functions
- 23 databases
 - 1 structural index file
- 31 index files
 - 1 report form
- 2 menu files
- 29 screen files
- 4 other files
- 2 cross-referenced tokens

Section II. Menu Summary. The following description lists the menu options used to drive the system. Two menu files in CAMD system are CAMD.MNX and CAMDTR.MNX.

CAMD.MNX is main menu to driven the system. Last updated: 10/07/92 at 11:51

<u>OPTION NAME</u>	<u>KEYS\FUNCTION CALLED</u>
System	ALT+S (Submenu _CSYSTEM)
Help...	F1 _MST_HELP

Change Password	do pwdedt
Backup	do _mhit with "backup"
Restore	do _mhit with "restore"

Filer	_MST_FILER
Calculator	_MST_CALCUL
Calendar/Diary	_MST_DIARY
Puzzle	_MST_PUZZL
File	ALT+F (Submenu _CFILE)
Reindex	DO reindex

Quit	DO _quit
Edit	ALT+E (Submenu _CEDIT)
Undo	CTRL+U _MED_UNDO
Redo	CTRL+R _MED_REDO

Cut	CTRL+X _MED_CUT
Copy	CTRL+C _MED_COPY
Paste	CTRL+V _MED_PASTE
Clear	_MED_CLEAR

Select All	CTRL+A _MED_SLCTA

Goto Line...	_MED_GOTO
Find...	CTRL+F _MED_FIND
Find Again	CTRL+G _MED_FINDA

Replace All	<u>_MED_REPLA</u>

Preferences...	<u>_MED_PREF</u>
Diagnosis	<u>ALT+D</u> (Submenu DIAGNOSIS)
Register Patient...	DO <u>_mhit</u> WITH " <u>_m_pat</u> "
Encounter...	DO <u>_mhit</u> WITH " <u>_m_newenc</u> "
SF600 Report	DO <u>_mhit</u> WITH " <u>_m_sf600</u> "

Disease/Treatment Lookup	DO <u>_mhit</u> WITH " <u>_m_lookup</u> "

Encounter Training Mode	(procedure)
Window	<u>ALT+W</u> (Submenu <u>_CWINDOW</u>)
Move	<u>CTRL+F7</u> <u>_MWI_MOVE</u>
Size	<u>CTRL+F8</u> <u>_MWI_SIZE</u>
Zoom ^X	<u>CTRL+F10</u> <u>_MWI_ZOOM</u>
Zoom ^Y	<u>CTRL+F9</u> <u>_MWI_MIN</u>
Cycle	<u>CTRL+F1</u> <u>_MWI_ROTAT</u>
Color...	do colorset.spr

Command	<u>CTRL+F2</u> <u>_MWI_CMD</u>
Debug	<u>_MWI_DEBUG</u>
Trace	<u>_MWI_TRACE</u>
View	<u>_MWI_VIEW</u>

CAMDTR.MNX is a menu to use for training. Last updated: 09/28/92 at 14:19

<u>OPTION NAME</u>	<u>KEYS\FUNCTION CALLED</u>
System	<u>ALT+S</u> (Submenu <u>_CSYSTEM</u>)
Help...	<u>F1</u> <u>_MST_HELP</u>

Change Password	do pwdedt
Backup	do <u>_mhit</u> with "backup"
Restore	do <u>_mhit</u> with "restore"

Filer	<u>_MST_FILER</u>
Calculator	<u>_MST_CALCUL</u>
Calendar/Diary	<u>_MST_DIARY</u>
Puzzle	<u>_MST_PUZZL</u>
File	<u>ALT+F</u> (Submenu <u>_CFILE</u>)
Reindex	DO reindex

Quit	DO <u>_quit</u>
Edit	<u>ALT+E</u> (Submenu <u>_CEDIT</u>)
Undo	<u>CTRL+U</u> <u>_MED_UNDO</u>
Redo	<u>CTRL+R</u> <u>_MED_REDO</u>

Cut	<u>CTRL+X</u> <u>_MED_CUT</u>
Copy	<u>CTRL+C</u> <u>_MED_COPY</u>
Paste	<u>CTRL+V</u> <u>_MED_PASTE</u>
Clear	<u>_MED_CLEAR</u>

Select All	<u>_MED_SP200</u>

Goto Line...	<u>_MED_GOTO</u>
Find...	<u>CTRL+F</u> <u>_MED_FIND</u>
Find Again	<u>CTRL+G</u> <u>_MED_FINDA</u>
Replace And Find Again	<u>CTRL+E</u> <u>_MED_REPL</u>
Replace All	<u>_MED_REPLA</u>

Preferences...	<u>_MED_PREF</u>
Diagnosis	<u>ALT+D</u> (Submenu DIAGNOSIS)
Register Patient...	DO <u>_mhit</u> WITH " <u>_m_pat</u> "

Encounter...	DO _mhit WITH "m_newenc"
SF600 Report	DO _mhit WITH "m_sf600"

Disease/Treatment Lookup	DO _mhit WITH "m_lookup"

Encounter Training Mode	DO _mhit WITH "m_training"
Window	ALT+W (Submenu_CWINDOW)
Move	CTRL+F7 _MWI_MOVE
Size	CTRL+F8 _MWI_SIZE
Zoom ^X	CTRL+F10 _MWI_ZOOM
Zoom ^Y	CTRL+F9 _MWI_MIN
Cycle	CTRL+F1 _MWI_ROTAT
Color...	_MWI_COLOR

Command	CTRL+F2 _MWI_CMD
Debug	_MWI_DEBUG
Trace	_MWI_TRACE
View	_MWI_VIEW
TRAINING MODE	

Section III. Screen Summary. Twenty eight (28) screen files were used as input templates in the system; W14.SCX, W10.SCX, W7.SCX, W6.SCX, W6C.SCX, W6B.SCX, W11.SCX, W12.SCX, W2.SCX, W9.SCX, W5.SCX, W3.SCX, W13.SCX, WP3.SCX, WP4.SCX, WP5.SCX, WP6.SCX, WP7.SCX, WP8.SCX, WP9.SCX, W12A.SCX, W12B.SCX, W12C.SCX, W12E.SCX, BACKUP.SCX, RESTORE.SCX, W7A.SCX, COLORSET.SCX.

W14.SCX

Last updated: 02/12/92 at 10:50

```

0
1
2  1: mchoice.....▲
3  .....▲
4  .....▲
5  .....▲
6  .....▲
7  .....▲
8  .....▲
9  .....▼
10
11      < OK > <Cancel>

```

Window name: W_list
Coordinates: FROM 0,0 TO 0,51
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mchoice	List	"@tT"
2: Mbuttons	Push button	"@*HT OK;\?Cancel"

W10.SCX

Last updated: 06/03/92 at 13:39

```

Confirm
0
1  1: .....
2  .....
3  .....
4  .....
5
6      < OK > <Cancel>

```

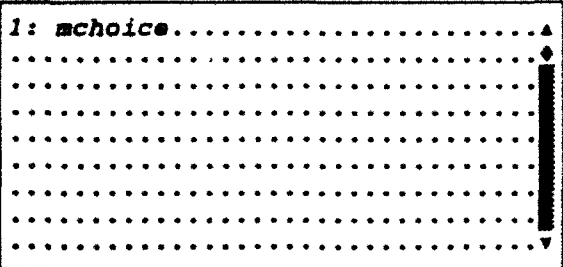
Name	Type	Picture
1: m.prompt	Field	
2: mbuttons	Push button	"@*HT OK;Cancel"

W7.SCX

Last updated: 05/28/92 at 8:41

Diseases on File

0
1 1: mchoice.....
2
3
4
5
6
7
8
9
10
11



12 <Select> < View > <Cancel>

Window name: W disease

Coordinates: FROM 0,0 TO 0,38

Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mchoice	List	"@&T"
2: mbuttons	Push button	"@*HT Select;View;\?Cancel"

W6.SCX

Last updated: 04/02/92 at 17:27

Numeric Data Entry

0
1 2:
2
3
4
5 Range 5: mlo.... to 3: mhi....
6
7
8 1: mval... 4: munits.....
9
10
11
12 < OK > <Cancel>



Window name: W_num

Coordinates: FROM 0,0 TO 0,54

Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mval	Field	"@KZ"
2: mprompt	Field	"@T"
3: mhi	Field	"@BZ"
4: munits	Field	"@T"
5: mlo	Field	"@BZ"
6: mbuttons	Push button	"@*HT OK;\?Cancel"

W6C.SCX

Last updated: 04/02/92 at 17:29

Logical Data Entry

```
0
1 2: .....
2 .....
3 .....
4
5
6      ( = ) Yes
7      (   ) No
8
9
10
11      < OK >      <Cancel>
```

Window name: W check
Coordinates: FROM 0,0 TO 5,53
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mbuttons	Push button	"@*HT OK;\?Cancel"
2: mprompt	Field	"@T"
3: mchoice	Radio button	"@*RVN Yes;No"

W6B.SCX

Last updated: 04/02/92 at 17:28

Single Choice Data Entry

```
0
1 2: .....
2 .....
3 .....
4
5
6      3: mchoice.....
7 .....
8 .....
9 .....
10 .....
11 .....
12 .....
13
14      < OK >      <Cancel>
```

Window name: W check
Coordinates: FROM 0,0 TO 7,62
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mbuttons	Push button	"@*HT OK;\?Cancel"
2: mprompt	Field	"@T"
3: mchoice	List	"@&T"

Last updated: 06/09/92 at 15:20

```

0
1 Patient 3: mkey...
2
3 Date 4: mdate..

```

```

6
7 1: mchoice.....▲
8 .....◆
9 .....
10 .....
11 .....
12 .....
13 .....▼
14

```

15
16 <Resume> < New > <Cancel>

```
Window name: W_pend
Coordinates: FROM 0,0 TO 0,58
Window options: FLOAT CLOSE MINIMIZE SHADOW
```

<u>Name</u>	<u>Type</u>	<u>Picture</u>
1: mchoice	List	"@&N"
2: mbuttons	Push button	"@*HT Resume;New;|?Cancel"
3: mkey	Field	
4: mdate	Field	

W12.SCX

Last updated: 10/13/92 at 14:16

Patient Encounter

```

0 Date 1: me_da Time 2: me Status 3: m Provider 4: me_providr...
1 Patient Name 5: me_lastnam..... First 6: me_firstna.....
2 SSN 7: me_ssn.. Sex 8: me_ Age 9:
3
4 <Complaint > 11: me_area..... <Diagnosis> 15: me_diagnos.....
5 <Symptom> 22 <Assist> 22
6
7 13: mcondL.....
8 .....
9 .....
10 .....
11 .....
12 .....
13
14 <Treatment > 21
15 20: me_treat.....
16 .....
17 .....
18
19 <Print > «Save» <Cancel>

```

Window name: W_encount

Coordinates: FROM 0,0 TO 0,79

Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: me_dateenc	Field	
2: me_timeenc	Field	
3: me_state	Field	
4: me_providr	Field	
5: me_lastnam	Field	
6: me_firstna	Field	"@!"
7: me_ssn	Field	"@R 999-99-9999"
8: me_sex	Field	"@!"
9: me_age	Field	
10: mckcompl	Push button	"@*HN |<Complaint"
11: me_area	Field	
12: mckhandp	Push button	"@*HN |<Symptom"
13: mcondL	List	"@&N"
14: mckdiag	Push button	"@*HN |<Diagnosis"
15: me_diagnos	Field	
16: mckassist	Push button	"@*HN |<Assist"
17: mdiagL	List	"@&N"
18: mcktreat	Push button	"@*HN |<Treatment"
19: chr(30)	Field	
20: me_treat	Field	
21: mbuttons	Push button	"@*HT |<Print;||?Sa|<ve;Ca|<ncel"
22: chr(31)	Field	
23: chr(31)	Field	
24: chr(30)	Field	
25: chr(31)	Field	
26: chr(30)	Field	

W2.SCX

Last updated: 06/15/92 at 15:01

Print Encounter

```
0
1 Print Encounter to:      (*) File
2                        ( ) Printer
3
4
5
6 Filename: 1: mprintfile.....
7
8
9
10      < OK >      <Cancel>
```

Window name: W_prn
Coordinates: FROM 0,0 TO 0,42
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mprintfile	Field	
2: mbuttons	Push button	"@*HT OK;\?Cancel"
3: mchoice	Radio button	"@*RVN File;Printer"

W9.SCX

Last updated: 04/02/92 at 17:33

Warning

```
0
1 1: .....
2 .....
3 .....
4
5      <OK>
```

Window name: W_popmsg
Coordinates: FROM 0,0 TO 0,35
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: errstr	Field	
2: mbuttons	Push button	"@*HT OK"

W5.SCX

Last updated: 05/28/92 at 8:17

Complaints

0	
1	2: mchoice.....▲
2	◆
3	.....
4	.....
5	.....
6	.....
7	.....
8	▼

<Select>
<Cancel>

Window name: W_area
Coordinates: FROM 0,0 TO 8,45
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mbuttons	Push button	"@*VT Select;\?Cancel"
2: mchoice	List	"@&T"

W3.SCX

Last updated: 05/28/92 at 8:15

Patients on File

0	
1	1: mchoice.....▲
2	◆
3	.....
4	.....
5	.....
6	.....
7	.....
8	.....
9	.....
10	▼
11	
12	<Select> <Cancel>

Window name: W_patlist
Coordinates: FROM 0,0 TO 0,36
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mchoice	List	"@&T"
2: mbuttons	Push button	"@*HT Select;\?Cancel"

Last updated: 02/12/92 at 10:21

0
1
2
3
4
5
6
7
8
9

```
1: mchoice.....▲
.....◆
.....
.....
.....
.....▼
```

```
Window name: W undo
Coordinates: FROM 0,0 TO 0,31
Window options: FLOAT CLOSE MINIMIZE SHADOW
```

Name	Type	Picture
1: mchoice	List	"@&T"
2: Mbuttons	Push button	"@*HT OK; \?Cancel"

Last updated: 08/03/92 at 16:03

0
1
2
3
4
5
6
7
8
9
10
11
12

[illegible]

```
Window name: Wp3
Coordinates: FROM 0,0 TO 0,40
Window options: FLOAT CLOSE MINIMIZE SHADOW
```

Name	Type	Picture
1: mchoice	List	"@&T"
2: mbuttons	Push button	"@*HT |<Select;|<Edit;|?|<Cancel"

WP4.SCX

Last updated: 06/14/92 at 17:37

Encounter to Report

```

0
1  Social Security: 1: mssn.....
2
3  Last Name:      2: mlast.....
4
5  First Name:..   3: mfirst.....
6
7  Encounter date: 4: mdateen
8
9      " OK "    <Browse>    <Cancel>

```

Window name: Wp4
Coordinates: FROM 0,0 TO 0,55
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mssn	Field	"@R 999-99-9999"
2: mlast	Field	
3: mfirst	Field	
4: mdateenc	Field	
5: mbuttons	Push button	"@*HT |1|<OK;|<Browse;|<Cancel"

WP5.SCX

Last updated: 06/14/92 at 18:30

```

0 Patient  3: mkey.....
1
2 Date      4: mdate..
3
4
5 1: mchoice.....▲
6 .....▼
7 .....
8 .....
9 .....
10 .....
11 .....
12
13
14      < OK >    <Cancel>

```

Window name: Wp4
Coordinates: FROM 0,0 TO 0,58
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mchoice	List	"@&N"
2: mbuttons	Push button	"@*HT |<OK;|?Cancel"
3: mkey	Field	
4: mdate	Field	

Report Editing

```

0
1 1: mstr.....▲
2 .....♦
3 .....
4 .....
5 .....
6 .....
7 .....
8 .....
9 .....
10 .....
11 .....
12 .....
13 .....
14 .....
15 .....▼
16
17          <Print >    < Save >    <Cancel>

```

Window name: Wp6

Coordinates: FROM 0,0 TO 0,76

Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mstr	Field	
2: mbuttons	Push button	"@*HT |<Print;|<Save;|<Cancel"

WP7.SCX

Last updated: 06/16/92 at 13:00

Print Option

```

0
1 Print Encounter to:  ( = ) File
2                      ( ) Printer
3
4
5
6 Filename: 1: mprintfile.....
7
8
9
10      < OK >      <Cancel>

```

Window name: Wp7
 Coordinates: FROM 0,0 TO 0,42
 Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mprintfile	Field	
2: mbuttons	Push button	"@*HT OK;\?Cancel"
3: mchoice	Radio button	"@*RVN File;Printer"

WP8.SCX

Last updated: 06/16/92 at 9:32

Patient in File

```

0
1 1: mchoice.....▲
2 .....◆
3 .....
4 .....
5 .....
6 .....
7 .....
8 .....
9 .....
10 .....▼
11
12      <Select>      <Cancel>

```

Window name: Wp3
 Coordinates: FROM 0,0 TO 0,40
 Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mchoice	List	"@&T"
2: mbuttons	Push button	"@*HT \<Select;\?<Cancel"

WP9.SCX

Last updated: 06/24/92 at 10:32

```

0 1: .....
1 .....
2 .....
3 .....

```

Window name: Wp9
Coordinates: FROM 1,0 TO 4,76
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mtext	Field	

W12A.SCX

Last updated: 07/06/92 at 10:38

```

0                                     <Symptom>                                     34
1
2  1: mcondL.....
3 .....
4 .....
5 .....
6 .....
7 .....
8 .....
9 .....
10 .....
11 .....
12 .....
13 .....
14 .....
15 .....
16 .....
17 .....
18 .....
19 .....
20

```

Window name: W_handp
Coordinates: FROM 0,0 TO 0,79
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mcondL	List	"@&N"
2: mckhandp	Push button	"@*HN \<Symptom"
3: chr(31)	Field	
4: chr(30)	Field	

	<Assist>	43
0		
1		
2	1: mdiagL.....	
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Window name: W_assist

Coordinates: FROM 0,0 TO 0,79

Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mdiagL	List	"@&N"
2: mckassist	Push button	"@*HN \<Assist"
3: chr(30)	Field	
4: chr(31)	Field	

W12C.SCX

Last updated: 07/06/92 at 10:41

Treatment

	<Treatment >	32
0		
1		
2	1: me_treat.....	▲
3		◆
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		▼
19		

Window name: W treat
 Coordinates: FROM 0,0 TO 0,79
 Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: me_treat	Field	
2: chr(30)	Field	
3: chr(31)	Field	
4: mcktreat	Push button	"@*HN \<Treatment"

W12E.SCX

Last updated: 07/20/92 at 12:20

0 1:
 1

Window name: W warning
 Coordinates: FROM 23,0 TO 24,79
 Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mprivateact	Field	77

```

0  2: message.....
1
2
3  5: mfile.....▲
4  .....
5  .....
6  .....
7  .....
8  .....
9  .....
10 .....
11 .....
12 .....
13
14 Backup file name:.6: mfname.....

```

To drive: 1: mdrive.....

Directory: 3: mpath.....

« Back »

<Cancel>

Window name: W_backup
 Coordinates: FROM 0,0 TO 0,60
 Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mdrive	Popup	"@^ "
2: message	Field	
3: mpath	Popup	"@^ "
4: maction	Push button	"@*VT ||<Backup;<Cancel"
5: mfile	List	"@&N"
6: mfname	Field	

0 2: message.....

1

2

3 5: mfile.....▲

4▼

5▼

6▼

7▼

8▼

9▼

10▼

11▼

12

13

From drive: 1: mdrive.....

Directory: 3: mpath.....

«Restore»

<Cancel >

14 Restore file name:.6: mfname.....

Window name: W_restore
Coordinates: FROM 0,0 TO 0,60
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mdrive	Popup	"@^ "
2: message	Field	
3: mpath	Popup	"@^ "
4: maction	Push button	"@*VT ||<Restore;<Cancel"
5: mfile	List	"@&N"
6: mfname	Field	

W7A.SCX

Last updated: 08/03/92 at 16:04

Disease/Treatment Reference

```

0
1  1: mchoice.....▲
2  .....
3  .....
4  .....
5  .....
6  .....
7  .....
8  .....
9  .....
10 .....
11 .....
12 .....
13 .....
14 .....▼
15

```

« View » < Quit >

Window name: W dislook
Coordinates: FROM 0,0 TO 0,39
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: mchoice	List	"@&T"
2: mbuttons	Push button	"@*HT ||<View>|<Quit>"

COLORSET.SCX

Last updated: 10/07/92 at 11:39

```

0
1  1: coloridx.....▲
2  .....
3  .....
4  .....
5  .....
6  .....
7  .....
8  .....
9  .....▼
10
11

```

< Load > <Cancel>

Window name: W color
Coordinates: FROM 0,0 TO 0,31
Window options: FLOAT CLOSE MINIMIZE SHADOW

Name	Type	Picture
1: m.coloridx	List	"@&N"
2: m.action	Push button	"@*HT |<Load>|<Cancel>"

section IV. Report Form File Summary. The only one report forms was created in CAMD system; SF600.FRX. Last updated: 07/09/92 at 16:02

----- Report Contents -----				
No.	Field	Length	Row	Column
----	-----	-----	-----	-----
1	PAGENO	4	0	73
2	mdateenc	8	11	0
3	mtext	65	11	11
4	mtimeenc	8	12	0
5	msocsec	11	53	0
6	alltrim(mlastname)+ ", " + alltrim(mfirstname)+ " " + alltrim(mmiddlename)	28	53	14
7	mdatebirth	12	53	45
8	msex	6	53	60
9	mraterank	10	53	69

		152		

Database and Program References

There is no an associated database

Used by: SFPRINT

(procedure in C:\CAMD\WORK\U.PRG)

Section V. Data Dictionary. There are eighteen (18) database files in the CAMD system:

SECTION.DBF	--	SF600 report section.
REPORT.DBF	--	SF600 report of each CAMD system area.
SF600TEX.DBF	--	The natural language of sign and symptom, use to generate SF600 report.
AREA.DBF	--	Diagnosis area of the CAMD System.
DICT.DBF	--	Sign & Symptom Question.
VAL.DBF	--	Range of Numeric type
ENUM.DBF	--	The response to the signs and symptoms question
DISEASE.DBF	--	Disease description and Treatment protocol.
PREMISE.DBF	--	Rule premise file.
ACTION.DBF	--	Rule action file.
RULE.DBF	--	Rules database file.
SYSTEM.DBF	--	CAMD system configure, greeting message.
PATIENT.DBF	--	Patient demographic database.
ENCOUNTR.DBF	--	Patient encounter record.
SYMPTOMS.DBF	--	Sign and Symptoms input record.
DIAGNOSE.DBF	--	Diagnosis output by CAMD system.
BACKUP.DBF	--	List of database file to be backup.
KEYLOG.DBF	--	Action record of user using CAMD system.

Database Structure Summary

Structure for database : SECTION.DBF

Number of data records : 81

Last updated : 09/23/92 at 12:12

Field	Field name	Type	Width	Dec	Start	End
1	SECTION	Numeric	3		1	3
2	OBJECT	Character	1		4	4
3	ID	Numeric	5		5	9
4	SENTENCE	Numeric	3		10	12
** Total **			13			

Used by: SFSYMP (procedure in DEMO.PRG)
: REINDEX (procedure in U.PRG)

Structure for database : REPORT.DBF

Number of data records : 59

Last updated : 09/23/92 at 12:13

Field	Field name	Type	Width	Dec	Start	End
1	SECTION	Numeric	3		1	3
2	AREA	Numeric	4		4	7
** Total **			8			

Used by: STRNATURAL (procedure in DEMO.PRG)
: SFSYMP (procedure in DEMO.PRG)
: REINDEX (procedure in U.PRG)

Structure for database : SF600TEX.DBF
 Number of data records : 81
 Last updated : 09/23/92 at 12:12

Field	Field name	Type	Width	Dec	Start	End
1	SENTENCE	Numeric	3		1	3
2	OBJECT	Character	1		4	4
3	ID	Numeric	5		5	9
4	STARTTEXT	Character	60		10	69
5	ENDTEXT	Character	60		70	129
6	DEFAULT	Character	120		130	249
7	NOPREVSEN	Character	60		250	309
** Total **			310			

Used by: SFSYMP (procedure in DEMO.PRG)
 : SFPRINT (procedure in U.PRG)
 : REINDEX (procedure in U.PRG)

Structure for database : AREA.DBF
 Number of data records : 2
 Last updated : 08/03/92 at 11:16

Field	Field name	Type	Width	Dec	Start	End
1	AREA	Numeric	4		1	4
2	NAME	Character	30		5	34
3	RULEBASE	Character	10		35	44
4	SIGNON	Character	30		45	74
5	START	Character	30		75	104
6	FINISH	Character	30		105	134
7	THRESHOLD	Numeric	6	2	135	140
8	PROBABLE	Numeric	6	2	141	146
9	LIKELY	Numeric	6	2	147	152
10	RULES	Numeric	4		153	156
** Total **			157			

Used by: GETEXAREA() (function in U.PRG)
 : GETRULEBASE() (function in U.PRG)
 : AREACOUNT() (function in U.PRG)
 : AREANAMES() (function in U.PRG)
 : ENCNAMES() (function in U.PRG)
 : SFENCNAMES (procedure in U.PRG)
 : OPENFILE (procedure in QUESTION.PRG)

Structure for database : DICT.DBF
 Number of data records : 80
 Last updated : 09/02/92 at 14:36

Field	Field name	Type	Width	Dec	Start	End
1	ID	Numeric	4		1	4
2	NAME	Character	20		5	24
3	DATATYPE	Character	1		25	25
4	ASKABLE	Logical	1		26	26
5	QUESTION	Character	100		27	126
6	PROMPT	Character	80		127	206
** Total **			207			

Used by: DICTCOUNT() (function in U.PRG)
 : OPENDICT (procedure in U.PRG)
 : REINDEX (procedure in U.PRG)
 : OPENFILE (procedure in QUESTION.PRG)

Structure for database : VAL.DBF Alias: DICTVAL
 Number of data records : 11
 Last updated : 07/23/92 at 8:32

Field	Field name	Type	Width	Dec	Start	End
1	ID	Numeric	4		1	4
2	WIDTH	Numeric	2		5	6
3	DEC	Numeric	1		7	7
4	LO	Numeric	9	2	8	16
5	HI	Numeric	9	2	17	25
6	UNITS	Character	10		26	35
** Total **			36			

Used by: OPENDICT (procedure in U.PRG)
 : REINDEX (procedure in U.PRG)
 : OPENFILE (procedure in QUESTION.PRG)

Structure for database : ENUM.DBF
 Number of data records : 251
 Last updated : 07/23/92 at 11:09

Field	Field name	Type	Width	Dec	Start	End
1	ID	Numeric	4		1	4
2	ORD	Numeric	2		5	6
3	MUTEX	Character	1		7	7
4	ENUMERATE	Character	80		8	87
5	REPORT	Character	80		88	167
** Total **			168			

Used by: OPENDICT (procedure in U.PRG)
 : REINDEX (procedure in U.PRG)
 : OPENFILE (procedure in QUESTION.PRG)

Structure for database : DISEASE.DBF
 Number of data records : 20
 Last updated : 10/08/92 at 11:58

Field	Field name	Type	Width	Dec	Start	End
1	NAME	Character	60		1	60
2	DESCRIPT	Memo	10		61	70
3	ID	Numeric	5		71	75
4	SOURCE	Character	1		76	76
5	XID	Numeric	5		77	81
6	AREA	Numeric	4		82	85
7	TREATMENT	Memo	10		86	95
8	BRIEF	Memo	10		96	105
** Total **			106			

This database is associated with the memo file: DISEASE.FPT

Used by: DISEASENAM() (function in U.PRG)
 : DISEASEID() (function in U.PRG)
 : DISEASECNT() (function in U.PRG)
 : DISNAMES() (function in U.PRG)
 : DISEASEGET (procedure in U.PRG)
 : DISEASEPUT (procedure in U.PRG)
 : REINDEX (procedure in U.PRG)

Structure for database : PREMISE.DBF

Number of data records : 372

Last updated : 07/23/92 at 11:22

Field	Field name	Type	Width	Dec	Start	End
1	CLAUSE	Numeric	5		1	5
2	OP	Character	2		6	7
3	OBJECT	Character	1		8	8
4	ID	Numeric	5		9	13
5	VAL	Character	30		14	43
** Total **			44			

Used by: OPENRULE (procedure in U.PRG)
: REINDEX (procedure in U.PRG)
: OPENFILE (procedure in QUESTION.PRG)

Structure for database : ACTION.DBF

Number of data records : 1779

Last updated : 06/09/92 at 15:01

Field	Field name	Type	Width	Dec	Start	End
1	CLAUSE	Numeric	5		1	5
2	OP	Character	2		6	7
3	OBJECT	Character	1		8	8
4	ID	Numeric	5		9	13
5	VAL	Character	30		14	43
** Total **			44			

Used by: OPENRULE (procedure in U.PRG)
: REINDEX (procedure in U.PRG)
: OPENFILE (procedure in QUESTION.PRG)

Structure for database : RULE.DBF

Number of data records : 330

Last updated : 08/04/92 at 10:27

Field	Field name	Type	Width	Dec	Start	End
1	RULE	Numeric	5		1	5
2	AREA	Numeric	4		6	9
3	SALIANCE	Numeric	3		10	12
4	PREMISE	Numeric	5		13	17
5	ACTION	Numeric	5		18	22
6	TEXT	Memo	10		23	32
** Total **			33			

This database is associated with the memo file: RULE.FPT

Used by: OPENRULE (procedure in U.PRG)
: REINDEX (procedure in U.PRG)
: OPENFILE (procedure in QUESTION.PRG)

Structure for database : SYSTEM.DBF

Number of data records : 1

Last updated : 10/13/92 at 9:58

Field	Field name	Type	Width	Dec	Start	End
1	PASSWORD	Character	10		1	10
2	PATIENTS	Numeric	4		11	14
3	PROVIDERS	Numeric	4		15	18
4	ENCOUNTERS	Numeric	4		19	22
5	STATION	Character	30		23	52
6	DEPARTMENT	Character	30		53	82
7	SYSWARNING	Memo	10		83	92
8	SYSDISCL	Memo	10		93	102
9	PRIVACYACT	Memo	10		103	112
10	DEBUG	Logical	1		113	113
11	CONF	Logical	1		114	114
12	SHOWRULE	Logical	1		115	115
13	NOVICE	Logical	1		116	116
14	EDITHELP	Logical	1		117	117
** Total **			118			

This database is associated with the memo file: SYSTEM.FPT

Used by: PWDEDT.PRG

: NEXTENCNT()	(function in U.PRG)
: GETSTATION()	(function in U.PRG)
: GETOPTS	(procedure in U.PRG)
: NEXTPAT	(procedure in U.PRG)
: NENCNT	(procedure in U.PRG)
: NEXTUSER	(procedure in U.PRG)
: GETSYSCODE()	(function in SECHECK.PRG)
: OPENSAMS	(procedure in U.PRG)

Structure for database : PATIENT.DBF

Number of data records : 2

Last updated : 10/09/92 at 14:11

Field	Field name	Type	Width	Dec	Start	End
1	ID	Numeric	4		1	4
2	SOCSEC	Character	9		5	13
3	LASTNAME	Character	30		14	43
4	FIRSTNAME	Character	30		44	73
5	MIDDLEINIT	Character	1		74	74
6	DATEBIRTH	Date	8		75	82
7	SEX	Character	1		83	83
8	RATERANK	Character	20		84	103
** Total **			104			

Used by: REINDEX

(procedure in U.PRG)

Structure for database : ENCOUNTR.DBF

Number of data records : 1

Last updated : 10/13/92 at 10:19

Field	Field name	Type	Width	Dec	Start	End
1	ENCOUNTRID	Numeric	5		1	5
2	PATIENT	Numeric	4		6	9
3	DATE	Date	8		10	17
4	TIME	Character	8		18	25
5	PROVIDER	Numeric	4		26	29
6	STATION	Character	30		30	59
7	DEPARTMENT	Character	30		60	89
8	AREA	Numeric	5		90	94
9	DIAGNOSE	Numeric	5		95	99
10	COMPLAINT	Character	30		100	129
11	TREATMENT	Memo	10		130	139
12	REPORT	Memo	10		140	149
13	STATE	Character	1		150	150
** Total **			151			

This database is associated with the memo file: ENCOUNTR.FPT

Used by: REINDEX (procedure in U.PRG)

Structure for database : SYMPTOMS.DBF

Number of data records : 2

Last updated : 10/13/92 at 10:19

Field	Field name	Type	Width	Dec	Start	End
1	ID	Numeric	5		1	5
2	SYMPTOM	Numeric	4		6	9
3	VALUE	Character	10		10	19
** Total **			20			

Used by: REINDEX (procedure in U.PRG)

Structure for database : DIAGNOSE.DBF

Number of data records : 0

Last updated : 09/03/92 at 12:45

Field	Field name	Type	Width	Dec	Start	End
1	ID	Numeric	5		1	5
2	DISEASE	Numeric	5		6	10
3	PROBABILTY	Numeric	6	2	11	16
** Total **			17			

Used by: REINDEX (procedure in U.PRG)

Structure for database : BACKUP.DBF

Number of data records : 17

Last updated : 09/03/92 at 12:44

Field	Field name	Type	Width	Dec	Start	End
1	FILE NAME	Character	12		1	12
** Total **			13			

This database appears to be associated with multiple index file(s):

: BACKUP.CDX

: PKUNZIP

(procedure in RESTORE.SPR)

Structure for database : KEYLOG.DBF
 Number of data records : 34
 Last updated : 10/13/92 at 10:29

Field	Field name	Type	Width	Dec	Start	End
1	ACTION	Character	60		1	60
2	DATE	Date	8		61	68
3	TIME	Character	8		69	76
** Total **			77			

Used by: KEYLOG.PRG

Structure for database : COLORSET.DBF
 Number of data records : 7
 Last updated : 10/07/92 at 11:52

Field	Field name	Type	Width	Dec	Start	End
1	COLOR_SET	Character	30		1	30
** Total **			31			

Used by: COLORSET.SPR

Database Field Summary: A listing of alphabetical database's field name was used in the CAMD system.

Field Name	Type	Len	Dec	Database
ACTION	C	60	0	KEYLOG.DBF
ACTION	N	5	0	RULE.DBF
AREA	N	4	0	RULE.DBF
AREA	N	5	0	REPORT.DBF
AREA	N	4	0	ENCOUNTR.DBF
AREA	N	4	0	AREA.DBF
ASKABLE	L	1	0	DISEASE.DBF
BRIEF	M	10	0	DICT.DBF
CLAUSE	N	5	0	DISEASE.DBF
COLOR_SET	C	30	0	ACTION.DBF
COMPLAINT	C	30	0	PREMISE.DBF
CONF	L	1	0	COLORSET.DBF
DATATYPE	C	1	0	ENCOUNTR.DBF
DATE	D	8	0	SYSTEM.DBF
DATEBIRTH	D	8	0	DICT.DBF
DEBUG	L	1	0	KEYLOG.DBF
DEC	N	1	0	ENCOUNTR.DBF
DEFAULT	C	120	0	PATIENT.DBF
DEPARTMENT	C	30	0	SYSTEM.DBF
DESCRIPT	M	10	0	VAL.DBF
DIAGNOSE	N	5	0	SF600TEX.DBF
DISEASE	N	5	0	ENCOUNTR.DBF
EDITHELP	L	1	0	DIAGNOSE.DBF
ENCOUNTERS	N	4	0	SYSTEM.DBF
ENCOUNTRID	N	5	0	SYSTEM.DBF
ENDTEXT	C	60	0	ENCOUNTR.DBF
ENUMERATE	C	80	0	SF600TEX.DBF
FILE NAME	C	12	0	ENUM.DBF
FINISH	C	30	0	BACKUP.DBF
FIRSTNAME	C	30	0	AREA.DBF
HI	N	9	2	PATIENT.DBF
				VAL.DBF

ID	N	4	0	VAL.DBF
ID	N	5	0	SECTION.DBF
				DISEASE.DBF
				SYMPTOMS.DBF
				SF600TEX.DBF
ID	N	4	0	DICT.DBF
				ENUM.DBF
ID	N	5	0	DIAGNOSE.DBF
				PREMISE.DBF
ID	N	4	0	PATIENT.DBF
LASTNAME	C	30	0	PATIENT.DBF
LIKELY	N	6	2	AREA.DBF
LO	N	9	2	VAL.DBF
MIDDLEINIT	C	1	0	PATIENT.DBF
MUTEX	C	1	0	ENUM.DBF
NAME	C	60	0	DISEASE.DBF
NAME	C	30	0	AREA.DBF
NAME	C	20	0	DICT.DBF
NOPREVSSEN	C	60	0	SF600TEX.DBF
NOVICE	L	1	0	SYSTEM.DBF
OBJECT	C	1	0	SECTION.DBF
				SF600TEX.DBF
				ACTION.DBF
				PREMISE.DBF
OP	C	2	0	ACTION.DBF
				PREMISE.DBF
ORD	N	2	0	ENUM.DBF
PASSWORD	C	10	0	SYSTEM.DBF
PATIENT	N	4	0	ENCOUNTR.DBF
PATIENTS	N	4	0	SYSTEM.DBF
PREMISE	N	5	0	RULE.DBF
PRIVACYACT	M	10	0	SYSTEM.DBF
PROBABILTY	N	6	2	DIAGNOSE.DBF
PROBABLE	N	6	2	AREA.DBF
PROMPT	C	80	0	DICT.DBF
PROVIDER	N	4	0	ENCOUNTR.DBF
PROVIDERS	N	4	0	SYSTEM.DBF
QUESTION	C	100	0	DICT.DBF
RATERANK	C	20	0	PATIENT.DBF
REPORT	M	10	0	ENCOUNTR.DBF
REPORT	C	80	0	ENUM.DBF
RULE	N	5	0	RULE.DBF
RULEBASE	C	10	0	AREA.DBF
RULES	N	4	0	AREA.DBF
SALIENCE	N	3	0	RULE.DBF
SECTION	N	3	0	REPORT.DBF
				SECTION.DBF
				SF600TEX.DBF
SEX	C	1	0	PATIENT.DBF
SHOWRULE	L	1	0	SYSTEM.DBF
SIGNON	C	30	0	AREA.DBF
SOCSEC	C	9	0	PATIENT.DBF
SOURCE	C	1	0	DISEASE.DBF
START	C	30	0	AREA.DBF
STARTTEXT	C	60	0	SF600TEX.DBF
STATE	C	1	0	ENCOUNTR.DBF
STATION	C	30	0	SYSTEM.DBF
				ENCOUNTR.DBF
SYMPTOM	N	4	0	SYMPTOMS.DBF
SYSDISCL	M	10	0	SYSTEM.DBF
SYSWARNING	M	10	0	SYSTEM.DBF
TEXT	M	10	0	RULE.DBF

TEXT	M	10	0	RULE.DBF
THRESHOLD	N	6	2	AREA.DBF
TIME	C	8	0	KEYLOG.DBF
				ENCOUNTR.DBF
TREATMENT	M	10	0	ENCOUNTR.DBF
				DISEASE.DBF
UNITS	C	10	0	VAL.DBF
VAL	C	30	0	PREMISE.DBF
				ACTION.DBF
VALUE	C	10	0	SYMPTOMS.DBF
WIDTH	N	2	0	VAL.DBF
XID	N	5	0	DISEASE.DBF

Index Parameter Summary: There are twenty five index associate to the database files; SECTION.IDX, REPORT.IDX, SF600TEX.IDX, AREA.IDX, DICTID.IDX, DICTNAME.IDX, VAL.IDX, ENUM.IDX, DISEASE.IDX, DISID.IDX, PREMISE.IDX, ACTION.IDX, SALIENCE.IDX, RULE.IDX, PATIENT.IDX, PATNAME.IDX, PATID.IDX, ENCOUNTR.IDX, ENCOUNTRD.IDX, ENCOUNTRI.IDX, SYMPTOMS.IDX, DISAREA.IDX, DIAGNOSE.IDX, KEY.IDX, KEYDATE.IDX.

SECTION.IDX -- Indexed on: SECTION

This index file appears to be associated with database(s):
: SECTION.DBF

Used by: SFSYMP() (function in DEMO.PRG)
: REINDEX() (function in U.PRG)

REPORT.IDX -- Indexed on: AREA

This index file appears to be associated with database(s):
: REPORT.DBF

Used by: SFSYMP() (function in DEMO.PRG)

SF600TEX.IDX -- Indexed on: SENTENCE

This index file appears to be associated with database(s):
: SF600TEX.DBF

Used by: SFSYMP() (function in DEMO.PRG)
: SFPRINT (procedure in U.PRG)
: REINDEX() (function in U.PRG)

AREA.IDX -- Indexed on: AREA

This index file appears to be associated with database(s):
: AREA.DBF

Used by: GETEXAREA() (function in U.PRG)
: GETRULEBASE() (function in U.PRG)
: AREANAMES() (function in U.PRG)
: ENCNames() (function in U.PRG)
: SFENCNames() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

DICTID.IDX -- Indexed on: ID

This index file appears to be associated with database(s):
: DICT.DBF

Used by: OPENDICT() (function in U.PRG)

```

: OPENFILE() (function in QUESTION.PRG)

DICTNAME.IDX -- Indexed on: NAME

This index file appears to be associated with database(s):
: DICT.DBF

Used by: OPENDICT() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

VAL.IDX -- Indexed on: ID

This index file appears to be associated with database(s):
: VAL.DBF

Used by: OPENDICT() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

ENUM.IDX -- Indexed on: ID

This index file appears to be associated with database(s):
: ENUM.DBF

Used by: OPENDICT() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

DISEASE.IDX -- Indexed on: NAME

This index file appears to be associated with database(s):
: DISEASE.DBF

Used by: DISEASEID() (function in U.PRG)
: DISNAMES() (function in U.PRG)
: DISEASEGET() (function in U.PRG)
: DISEASEPUT() (function in U.PRG)
: REINDEX() (function in U.PRG)

DISID.IDX -- Indexed on: ID

This index file appears to be associated with database(s):
: DISEASE.DBF

Used by: DISEASENAM() (function in U.PRG)
: DISNAMES() (function in U.PRG)
: REINDEX() (function in U.PRG)

PREMISE.IDX -- Indexed on: CLAUSE

This index file appears to be associated with database(s):
: PREMISE.DBF

Used by: OPENRULE() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

ACTION.IDX -- Indexed on: CLAUSE

This index file appears to be associated with database(s):
: ACTION.DBF

```

Used by: OPENRULE() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

SALIENCE.IDX -- Indexed on: SALIENCE

This index file appears to be associated with database(s):
: RULE.DBF

Used by: OPENRULE() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

RULE.IDX -- Indexed on: AREA

This index file appears to be associated with database(s):
: RULE.DBF

Used by: OPENRULE() (function in U.PRG)
: REINDEX() (function in U.PRG)
: OPENFILE() (function in QUESTION.PRG)

PATIENT.IDX -- Index on: SOCSEC

This index file appears to be associated with database(s):
: PATIENT.DBF

Used by: REINDEX() (function in U.PRG)

PATNAME.IDX -- Index on: LASTNAME

This index file appears to be associated with database(s):
: PATIENT.DBF

Used by: REINDEX() (function in U.PRG)

PATID.IDX -- Index on: ID

This index file appears to be associated with database(s):
: PATIENT.DBF

Used by: REINDEX() (function in U.PRG)

ENCOUNTR.IDX -- Index on: PATIENT

This index file appears to be associated with database(s):
: ENCOUNTR.DBF

Used by: REINDEX() (function in U.PRG)

ENCOUNTD.IDX -- Index on: DATE

This index file appears to be associated with database(s):
: ENCOUNTR.DBF

Used by: REINDEX() (function in U.PRG)

ENCOUNTI.IDX -- Index on: ENCOUNTRID

This index file appears to be associated with database(s):
: ENCOUNTR.DBF

Used by: REINDEX()
SYMPTOMS.IDX

This index file appears to be associated with database(s):
: SYMPTOMS.DBF

Used by: REINDEX() (function in U.PRG)

DISAREA.IDX -- Index on: AREA

This index file appears to be associated with database(s):
: DISEASE.DBF

Used by: REINDEX() (function in U.PRG)

DIAGNOSE.IDX -- Index on: ID

This index file appears to be associated with database(s):
: DIAGNOSE.DBF

Used by: REINDEX() (function in U.PRG)

KEY.IDX -- Index on: ACTION

This index file appears to be associated with database(s):
: KEYLOG.DBF

Used by: KEYLOG.PRG

KEYDATE.IDX -- Index on: DATE

This index file appears to be associated with database(s):
: KEYLOG.DBF

Used by: KEYLOG.PRG

COLORSET.IDX -- Index on: COLOR_SET

This index file appears to be associated with database(s):
: COLORSET.DBF

Used by: COLORSET.SPR

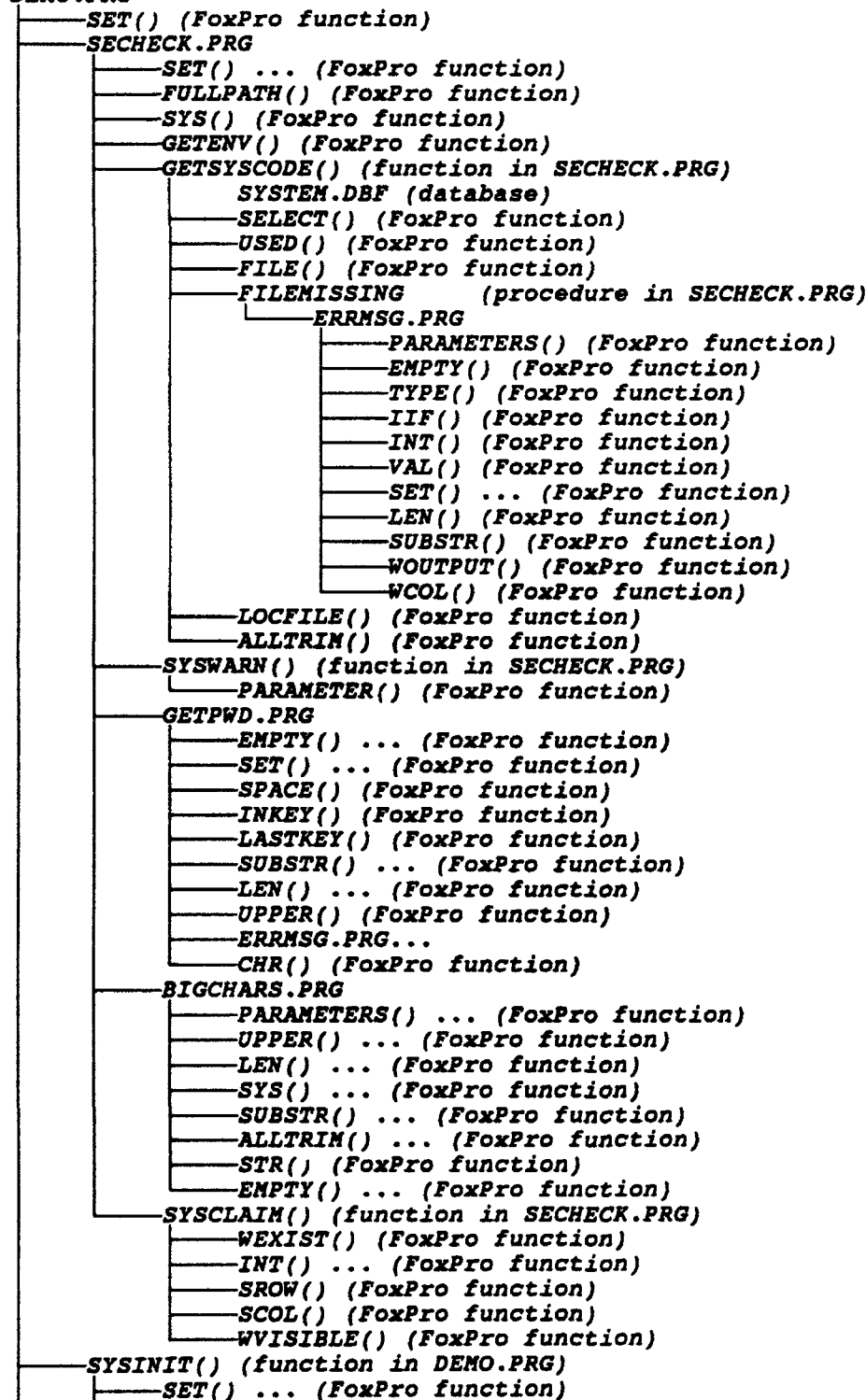
BACKUP.CDX -- Index on: FILE_NAME

This multiple index file appears to be associated with database(s):
: BACKUP.DBF

Used by: PKZIP (procedure in BACKUP.SPR)
: PKUNZIP (procedure in RESTORE.SPR)

Section VI. Tree Diagram. The tree diagram lists each program that is called by the order in which it is used. Under each program there is a list of all functions called.

DEMO.PRG



- EMPTY() ... (FoxPro function)
- GETENV() ... (FoxPro function)
- SETPATH (procedure in U.PRG)
 - EMPTY() ... (FoxPro function)
 - FULLPATH() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - SET() ... (FoxPro function)
 - CURDIR() (FoxPro function)
- GETOPTS() (function in U.PRG)
 - SYSTEM.DBF (database)
 - SELECT() ... (FoxPro function)
 - ALLTRIM() ... (FoxPro function)
- USERINIT() (function in U.PRG)
 - SET() ... (FoxPro function)
 - INITHELP() (function in U.PRG)
 - OLMR() (function in U.PRG)
 - GETENV() ... (FoxPro function)
 - SYS() ... (FoxPro function)
 - PUSHHELP() (function in U.PRG)
 - ALEN() (FoxPro function)
 - SETHelp() (function in U.PRG)
 - CHR() ... (FoxPro function)
 - GETENV() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - GETCOLORS() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - EOF() (FoxPro function)
 - TRIM() (FoxPro function)
 - PADC() (FoxPro function)
- POPUPSHOW() (function in U.PRG)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
- INIENCOUNT() (function in DEMO.PRG)
 - CTOD() (FoxPro function)
 - DATE() (FoxPro function)
 - TIME() (FoxPro function)
 - GETSTATION() (function in U.PRG)
 - SYSTEM.DBF (database)
 - SELECT() ... (FoxPro function)
- INISYMPOM() (function in DEMO.PRG)
 - DICTCOUNT() (function in U.PRG)
 - DICT.DBF (database)
 - SELECT() ... (FoxPro function)
 - RECCOUNT() (FoxPro function)
 - DELSYMPOM() (function in DEMO.PRG)
- INIDIAGNOS() (function in DEMO.PRG)
 - DISEASECNT() (function in U.PRG)
 - DISEASE.DBF (database)
 - SELECT() ... (FoxPro function)
 - RECCOUNT() ... (FoxPro function)
 - DELDIAGNOS() (function in DEMO.PRG)
 - RESETDIAG() (function in DEMO.PRG)
- POPUPHIDE() (function in U.PRG)
- IIF() ... (FoxPro function)
- EMPTY() ... (FoxPro function)
- OPENFILES() (function in U.PRG)
 - EMPTY() ... (FoxPro function)
 - POPUPSHOW() ... (function in U.PRG)
 - RIGHT() (FoxPro function)

- OPENPAT() (function in U.PRG)
 - FILEFIND() (function in U.PRG)
 - PARAMETER() ... (FoxPro function)
 - FILE() ... (FoxPro function)
 - DP.PRG
 - PARAMETER() ... (FoxPro function)
 - TYPE() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - STR() ... (FoxPro function)
 - OCCURS() (FoxPro function)
 - AT() (FoxPro function)
 - LEN() ... (FoxPro function)
 - SUBSTR() ... (FoxPro function)
 - LOCFILE() ... (FoxPro function)
- ERRHAND (procedure in U.PRG)
 - PARAMETER() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - ERRMSG.PRG...
- EMPTY() ... (FoxPro function)
- USED() ... (FoxPro function)
- SELECT() ... (FoxPro function)
- OPENSAMS() (function in U.PRG)
 - EMPTY() ... (FoxPro function)
 - GETENV() ... (FoxPro function)
 - SETPATH... (procedure in U.PRG)
 - FILEFIND() ... (function in U.PRG)
 - USED() ... (FoxPro function)
 - SELECT() ... (FoxPro function)
- OPENENCNT() (function in U.PRG)
 - USED() ... (FoxPro function)
 - SELECT() ... (FoxPro function)
- OPENDICT() (function in U.PRG)
 - DICT.DBF (database)
 - VAL.DBF (database)
 - ENUM.DBF (database)
- OPENRULE() (function in U.PRG)
 - PREMISE.DBF (database)
 - ACTION.DBF (database)
 - RULE.DBF (database)
- POPUPHIDE() ... (function in U.PRG)
- BATCHTEST() (function in DEMO.PRG)
 - RIGHT() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - TIME() ... (FoxPro function)
 - DATE() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - DELSYMPOM() ... (function in DEMO.PRG)
 - DELDIAGNOS() ... (function in DEMO.PRG)
 - M ENCRULE() (function in DEMO.PRG)
 - LODRULE() (function in DEMO.PRG)
 - GETRULEBASE() (function in U.PRG)
 - AREA.DBF (database)
 - SELECT() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - FOUND() (FoxPro function)
 - TRIM() ... (FoxPro function)
 - ENC2STR() (function in DEMO.PRG)
 - SELECT() ... (FoxPro function)
 - LEN() ... (FoxPro function)
 - SUBSTR() ... (FoxPro function)
 - INVERTCOND() (function in DEMO.PRG)
 - VAL() ... (FoxPro function)

- IIF() ... (FoxPro function)
- ALLTRIM() ... (FoxPro function)
- STR() ... (FoxPro function)
- EVALCOND() (function in DEMO.PRG)
 - MULFACTOR() (function in DEMO.PRG)
 - FACTORID() (function in DEMO.PRG)
 - SET() ... (FoxPro function)
 - ASCAN() (FoxPro function)
 - ERRMESSAGE() (function in U.PRG)
 - AINS() (FoxPro function)
 - IIF() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - SETQ() (function in DEMO.PRG)
 - DEFO() (function in DEMO.PRG)
 - QID() (function in DEMO.PRG)
 - SET() ... (FoxPro function)
 - ASCAN() ... (FoxPro function)
 - ERRMESSAGE() ... (function in U.PRG)
 - AINS() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - LEN() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
 - ASK() (function in DEMO.PRG)
 - EVALQ() (function in DEMO.PRG)
 - QID() ... (function in DEMO.PRG)
 - EMPTY() ... (FoxPro function)
 - EDITSYMP() (function in DEMO.PRG)
 - DICTQ() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - PARAMETERS() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - ERRMESSAGE() ... (function in U.PRG)
 - DICTQV() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
 - MAX() (FoxPro function)
 - EDNUM() (function in U.PRG)
 - ALEN() ... (FoxPro function)
 - ACOPY() (FoxPro function)
 - PUSHHELP() ... (function in U.PRG)
 - VAL() ... (FoxPro function)
 - W6.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)

- WVISIBLE() ... (FoxPro function)
- LTRIM() (FoxPro function)
- STR() ... (FoxPro function)
- POPHELP() (function in U.PRG)
 - SETHelp() ... (function in U.PRG)
- EDBOOL() (function in U.PRG)
- ALEN() ... (FoxPro function)
- ACOPY() ... (FoxPro function)
- PUSHHELP() ... (function in U.PRG)
- IIF() ... (FoxPro function)
- W6C.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
- POPHELP() ... (function in U.PRG)
- IIF() ... (FoxPro function)
- LEFT() (FoxPro function)
- DICTECOUNT() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - EOF() ... (FoxPro function)
- DICTQOE() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
- AT() ... (FoxPro function)
- EDCHECK() (function in U.PRG)
 - ALEN() ... (FoxPro function)
 - ACOPY() ... (FoxPro function)
 - PUSHHELP() ... (function in U.PRG)
 - LTRIM() ... (FoxPro function)
 - SETCHECK() (function in U.PRG)
 - ALEN() ... (FoxPro function)
- W6A.PRG
 - SET() ... (FoxPro function)
 - SELECT() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)

- SCOL() ... (FoxPro function)
- WVISIBLE() ... (FoxPro function)
- ALEN() ... (FoxPro function)
- LEN() ... (FoxPro function)
- MIN() (FoxPro function)
- IIF() ... (FoxPro function)
- EDCHECK() (function in U.PRG)
 - VAL() ... (FoxPro function)
 - SUBSTR() ... (FoxPro function)
 - VARREAD() (FoxPro function)
 - AT() ... (FoxPro function)
 - ALEN() ... (FoxPro function)
 - SETCHECK() ... (function in U.PRG)
- IIF() ... (FoxPro function)
- POPHELP() ... (function in U.PRG)
- DEFQ() ... (function in DEMO.PRG)
- PUSHQ() (function in DEMO.PRG)
 - SET() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - ASCAN() ... (FoxPro function)
- IF() ... (FoxPro function)
- SET() ... (FoxPro function)
- EVALUATE() (FoxPro function)
- LEN() ... (FoxPro function)
- AT() ... (FoxPro function)
- LEFT() ... (FoxPro function)
- SUBSTR() ... (FoxPro function)
- ALLTRIM() ... (FoxPro function)
- STR() ... (FoxPro function)
- ALLTRIM() ... (FoxPro function)
- M_ENCGET() (function in DEMO.PRG)
- POPUPSHOW() ... (function in U.PRG)
- LODENC() (function in DEMO.PRG)
 - ENCGETINFO() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - DELDIAGNOS() ... (function in DEMO.PRG)
 - GETDIAGNOS() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - OPENDIAG() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - ADDDIAGNOS() (function in DEMO.PRG)
 - ALLTRIM() ... (FoxPro function)
 - DEFFACTOR() (function in DEMO.PRG)
 - FACTORID() ... (function in DEMO.PRG)
 - STR() ... (FoxPro function)
 - DELSYMPOM() ... (function in DEMO.PRG)
 - GETSYMPOM() (function in U.PRG)
 - SELECT() ... (FoxPro function)

- OPENSAMP() (function in U.PRG)
 - SELECT() ... (FoxPro function)
- ALLTRIM() ... (FoxPro function)
- TRIM() ... (FoxPro function)
- STR() ... (FoxPro function)
- DICTQ() ... (function in U.PRG)
- DICTENUM() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
- ADDSYMPOM() (function in DEMO.PRG)
 - ALLTRIM() ... (FoxPro function)
 - DEFQ() ... (function in DEMO.PRG)
- M ENCRULE() ... (function in DEMO.PRG)
- AGEAT() (function in DEMO.PRG)
 - YEAR() (FoxPro function)
 - MONTH() (FoxPro function)
 - DAY() (FoxPro function)
 - LTRIM() ... (FoxPro function)
 - STR() ... (FoxPro function)
- EDSEXAGE() (function in DEMO.PRG)
 - ADDSYMPOM() (function in DEMO.PRG)
 - ALLEN() ... (FoxPro function)
 - DICTQNAME() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - ALLTRIM() ... (FoxPro function)
 - STR() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - ERASEQ() (function in DEMO.PRG)
 - QID() ... (function in DEMO.PRG)
 - ADDSYMPOM() ... (function in DEMO.PRG)
- POPUPHIDE() ... (function in U.PRG)
- M ASSIST (procedure in DEMO.PRG)
 - EMPTY() ... (FoxPro function)
 - POPUPSHOW() ... (function in U.PRG)
 - RESETDIAG() ... (function in DEMO.PRG)
 - TESTRULES() (function in DEMO.PRG)
 - SELECT() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - EVALCOND() ... (function in DEMO.PRG)
 - ALLTRIM() ... (FoxPro function)
 - STR() ... (FoxPro function)
 - EVALRULES() (function in DEMO.PRG)
 - SELECT() ... (FoxPro function)
 - ALLEN() ... (FoxPro function)
 - EVALCOND() ... (function in DEMO.PRG)
 - ALLTRIM() ... (FoxPro function)
 - STR() ... (FoxPro function)
 - NAKEDIAG() (function in DEMO.PRG)
 - NORMFACTOR() (function in DEMO.PRG)
 - SUMFACTOR() (function in DEMO.PRG)
 - POPMESSAGE() (function in U.PRG)
 - PUSHHELP() ... (function in U.PRG)
 - W9.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)

- WVISIBLE() ... (FoxPro function)
 - POPHELP() ... (function in U.PRG)
 - POPUPHIDE() ... (function in U.PRG)
 - RELEASE() (function in U.PRG)
 - PARAMETER() ... (FoxPro function)
 - WONTOP() (FoxPro function)
 - OBJNUM() (FoxPro function)
- M_ENCSAVE() (function in DEMO.PRG)
 - POPMESSAGE() ... (function in U.PRG)
- M_ENCVALID() (function in DEMO.PRG)
 - EMPTY() ... (FoxPro function)
- ADDENCNT() (function in U.PRG)
 - NEXTENCNT() (function in U.PRG)
 - SYSTEM.DBF (database)
 - SELECT() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - TYPE() ... (FoxPro function)
- NEWENCNT() (function in U.PRG)
 - SELECT() ... (FoxPro function)
- PUTENCNT() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
- PUTSYMPTOM() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - OPENSYP() ... (function in U.PRG)
 - FOUND() ... (FoxPro function)
 - ALLEN() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - SPLIT() (function in U.PRG)
 - AT() ... (FoxPro function)
 - LEFT() ... (FoxPro function)
 - SUBSTR() ... (FoxPro function)
 - LEN() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - DICTQ() ... (function in U.PRG)
 - DICTORD() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - ALLTRIM() ... (FoxPro function)
 - STR() ... (FoxPro function)
 - EOF() ... (FoxPro function)
- PUTDIAGNOS() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - OPENDIAG() ... (function in U.PRG)
 - FOUND() ... (FoxPro function)
 - ALLEN() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - VAL() ... (FoxPro function)
 - EOF() ... (FoxPro function)
- STR() ... (FoxPro function)
- ENC2BIT() (function in DEMO.PRG)
 - ALLEN() ... (FoxPro function)
 - IIF() ... (FoxPro function)
- ALLEN() ... (FoxPro function)
- DISEASENAM() (function in U.PRG)
 - DISEASE.DBF (database)
 - SELECT() ... (FoxPro function)
 - PARAMETERS() ... (FoxPro function)
 - ALLEN() ... (FoxPro function)

- IIF() ... (FoxPro function)
- FOUND() ... (FoxPro function)
- TRIM() ... (FoxPro function)
- VAL() ... (FoxPro function)
- IIF() ... (FoxPro function)
- LEFT() ... (FoxPro function)
- INKEY() ... (FoxPro function)
- MAINMENU() (function in U.PRG)
- CAMD.MPR
 - EMPTY() ... (FoxPro function)
 - WONTOP() ... (FoxPro function)
 - LOCFILE() ... (FoxPro function)
 - Q9POPFL0Y (procedure in CAMD.MPR)
 - PUSHHELP() ... (function in U.PRG)
 - PWDEDT.PRG
 - SYSTEM.DBF (database)
 - SET() ... (FoxPro function)
 - FULLPATH() ... (FoxPro function)
 - SYS() ... (FoxPro function)
 - GETENV() ... (FoxPro function)
 - SPACE() ... (FoxPro function)
 - INKEY() ... (FoxPro function)
 - LASTKEY() ... (FoxPro function)
 - SUBSTR() ... (FoxPro function)
 - LEN() ... (FoxPro function)
 - EMPTY() ... (FoxPro function)
 - UPPER() ... (FoxPro function)
 - CHR() ... (FoxPro function)
 - POPHELP() ... (function in U.PRG)
 - MHIT (procedure in U.PRG)
 - RDLEVEL() (FoxPro function)
 - REINDEX() (function in U.PRG)
 - PATIENT.DBF (database)
 - ENCOUNTR.DBF (database)
 - SYMPTOMS.DBF (database)
 - DICT.DBF (database)
 - VAL.DBF (database)
 - ENUM.DBF (database)
 - PREMISE.DBF (database)
 - ACTION.DBF (database)
 - RULE.DBF (database)
 - DISEASE.DBF (database)
 - DIAGNOSE.DBF (database)
 - REPORT.DBF (database)
 - SECTION.DBF (database)
 - SF600TEX.DBF (database)
 - EMPTY() ... (FoxPro function)
 - WOUTPUT() ... (FoxPro function)
 - POPUPSHOW() ... (function in U.PRG)
 - CLOSEFILES() (function in U.PRG)
 - POPUPHIDE() ... (function in U.PRG)
 - QUIT (procedure in U.PRG)
 - EMPTY() ... (FoxPro function)
 - WOUTPUT() ... (FoxPro function)
 - POPMESSAGE() ... (function in U.PRG)
 - Q9POPFLR8 (procedure in CAMD.MPR)
 - CAMDTR.MPR
 - EMPTY() ... (FoxPro function)
 - WONTOP() ... (FoxPro function)
 - PWDEDT.PRG...
 - MHIT... (procedure in U.PRG)
 - REINDEX() ... (function in U.PRG)

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QUIT...      (procedure in U.PRG)
MHIT...      (procedure in U.PRG)
CAND.MPR...
COLORSET.SPR
  COLORSET.DBF (database)
  SET() ... (FoxPro function)
  WEXIST() ... (FoxPro function)
  INT() ... (FoxPro function)
  SROW() ... (FoxPro function)
  SCOL() ... (FoxPro function)
  USED() ... (FoxPro function)
  WVISIBLE() ... (FoxPro function)
  Q9POPF2H() (function in COLORSET.SPR)
  TRIM() ... (FoxPro function)
MYHANDLER() (function in U.PRG)
LEN() ... (FoxPro function)
WONTOP() ... (FoxPro function)
M_RESUME     (procedure in DEMO.PRG)
  ALEN() ... (FoxPro function)
  STRCOND() (function in DEMO.PRG)
  PARAMETERS() ... (FoxPro function)
  TYPE() ... (FoxPro function)
  LEN() ... (FoxPro function)
  LOOKUPNAM() (function in DEMO.PRG)
  DICTQ() ... (function in U.PRG)
  EMPTY() ... (FoxPro function)
  LEFT() ... (FoxPro function)
  STRDIAG() (function in DEMO.PRG)
  AINS() ... (FoxPro function)
  IIF() ... (FoxPro function)
  TYPE() ... (FoxPro function)
  DISEASENAM() ... (function in U.PRG)
  VAL() ... (FoxPro function)
  PARAMETERS() ... (FoxPro function)
  LTRIM() ... (FoxPro function)
  STR() ... (FoxPro function)
  GETEXAREA() (function in U.PRG)
  AREA.DBF (database)
  EMPTY() ... (FoxPro function)
  SELECT() ... (FoxPro function)
  IIF() ... (FoxPro function)
  FOUND() ... (FoxPro function)
  TRIM() ... (FoxPro function)
  DISEASENAM() ... (function in U.PRG)
  AGEAT() ... (function in DEMO.PRG)
  EDSEXAGE() ... (function in DEMO.PRG)
  ENCNTTITLE() (function in U.PRG)
  PUSHHELP() ... (function in U.PRG)
  W12.SPR
    SET() ... (FoxPro function)
    WEXIST() ... (FoxPro function)
    WVISIBLE() ... (FoxPro function)
    EDITCOMPL() (function in U.PRG)
    M_COMPL (procedure in DEMO.PRG)
      EMPTY() ... (FoxPro function)
      GETDIAGAREA() (function in DEMO.PRG)
      AREACOUNT() (function in U.PRG)
      AREA.DBF (database)
      SELECT() ... (FoxPro function)

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- RECCOUNT() ... (FoxPro function)
- AREANAMES() (function in U.PRG)
 - AREA.DBF (database)
 - SELECT() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
- GETAREALIST() (function in U.PRG)
 - ALLEN() ... (FoxPro function)
 - PUSHHELP() ... (function in U.PRG)
 - W5.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
 - POPHELP() ... (function in U.PRG)
- IIF() ... (FoxPro function)
- M_ENCRULE() ... (function in DEMO.PRG)
- POPMESSAGE() ... (function in U.PRG)
- EMPTY() ... (FoxPro function)
- GETEXAREA() ... (function in U.PRG)
- OBJNUM() ... (FoxPro function)
- EDITHANDP() (function in U.PRG)
- M HANDP (procedure in DEMO.PRG)
 - EMPTY() ... (FoxPro function)
 - POPUPSHOW() ... (function in U.PRG)
 - TESTRULES() ... (function in DEMO.PRG)
 - POPUPHIDE() ... (function in U.PRG)
 - POPMESSAGE() ... (function in U.PRG)
 - RELEASE() ... (function in U.PRG)
 - OBJNUM() ... (FoxPro function)
- STRCOND() ... (function in DEMO.PRG)
- EDITCOND() (function in U.PRG)
- M REDOQ() (function in DEMO.PRG)
 - GETQ() (function in DEMO.PRG)
 - QID() ... (function in DEMO.PRG)
 - IIF() ... (FoxPro function)
 - ERASEQ() ... (function in DEMO.PRG)
 - ASK() ... (function in DEMO.PRG)
 - RESTOREQ() (function in DEMO.PRG)

- QID() ... (function in DEMO.PRG)
- STRCOND() ... (function in DEMO.PRG)
- EDITDIAG() (function in U.PRG)
- M_DIAG (procedure in DEMO.PRG)
 - EMPTY() ... (FoxPro function)
 - ASKDIAG() (function in DEMO.PRG)
 - DISEASECNT() ... (function in U.PRG)
 - DISNAMES() (function in U.PRG)
 - DISEASE.DBF (database)
 - SELECT() ... (FoxPro function)
 - PARAMETERS() ... (FoxPro function)
 - EOF() ... (FoxPro function)
 - TRIM() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - GETDISLIST() (function in U.PRG)
 - ALN() ... (FoxPro function)
 - PUSHHELP() ... (function in U.PRG)
 - W7.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
 - POPHELP() ... (function in U.PRG)
 - DISEASEGET() (function in U.PRG)
 - DISEASE.DBF (database)
 - SELECT() ... (FoxPro function)
 - UPPER() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
 - CHR() ... (FoxPro function)
 - W8.PRG
 - SET() ... (FoxPro function)
 - SELECT() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)

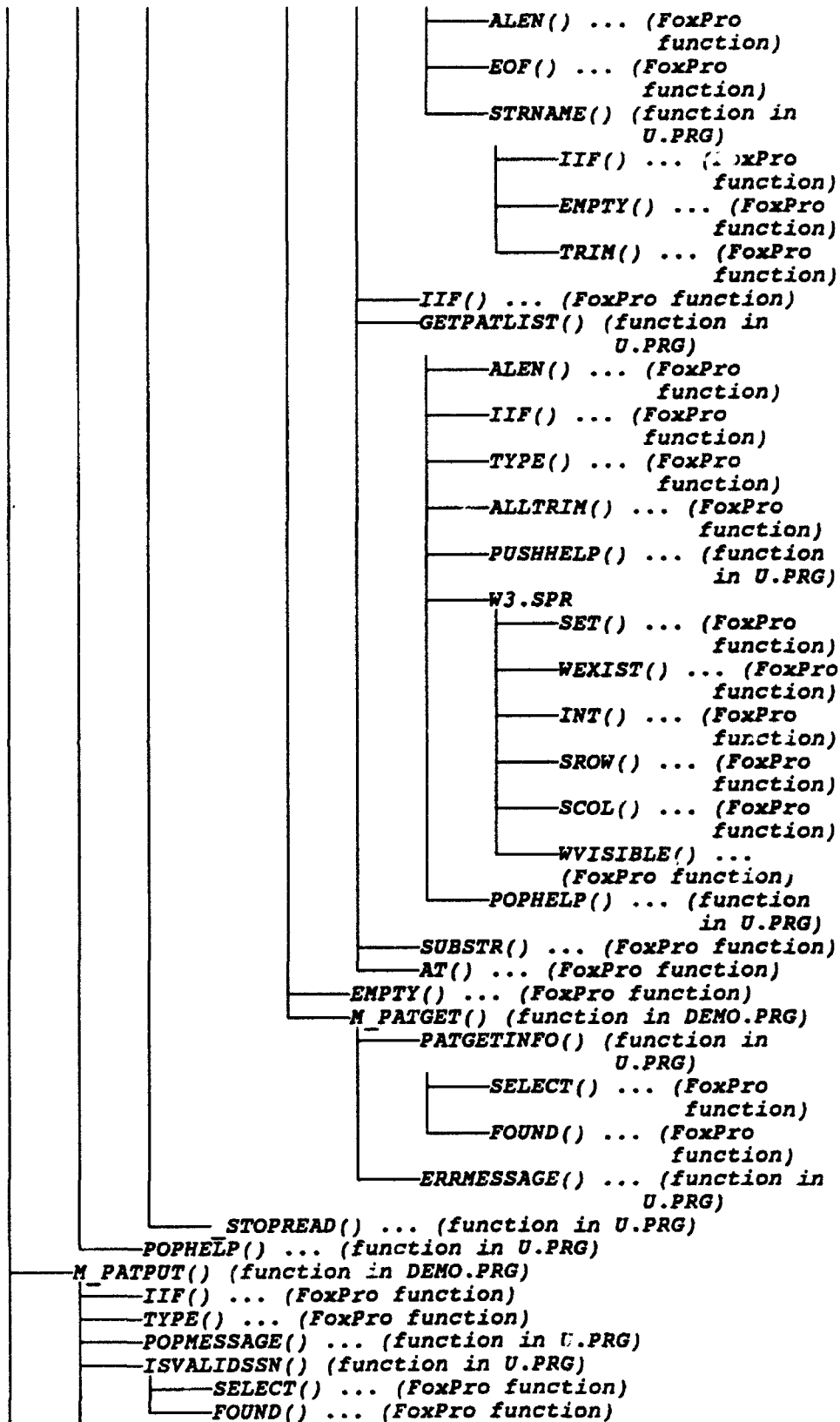
- INT() ... (FoxPro function)
- SROW() ... (FoxPro function)
- SCOL() ... (FoxPro function)
- WVISIBLE() ... (FoxPro function)
- DISEASENAM() ... (function in U.PRG)
- DISEASEID() (function in U.PRG)
 - DISEASE.DBF (database)
 - SELECT() ... (FoxPro function)
 - PARAMETERS() ... (FoxPro function)
 - ALen() ... (FoxPro function)
 - IIF() ... (FoxPro function)
 - FOUND() ... (FoxPro function)
- POPMESSAGE() ... (function in U.PRG)
- OBJNUM() ... (FoxPro function)
- EMPTY() ... (FoxPro function)
- DISEASENAM() ... (function in U.PRG)
- OBJNUM() ... (FoxPro function)
- EDITASSIS() (function in U.PRG)
 - M ASSIST... (procedure in DEMO.PRG)
 - STRDIAG() ... (function in DEMO.PRG)
- EDITVDIAG() (function in U.PRG)
 - DISEASEGET() ... (function in U.PRG)
 - PUSHHELP() ... (function in U.PRG)
 - W8.PRG...
 - POPHELP() ... (function in U.PRG)
- EDITTREAT() (function in U.PRG)
 - M TREAT (procedure in DEMO.PRG)
 - EMPTY() ... (FoxPro function)
 - OBJNUM() ... (FoxPro function)
 - POPMESSAGE() ... (function in U.PRG)
 - RELEASE() ... (function in U.PRG)
- Q9VOUNCRG() (function in W12.SPR)
 - WONTOP() ... (FoxPro function)
 - W12C.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
 - Q740N41W1() (function in W12C.SPR)
 - WONTOP() ... (FoxPro function)
 - W12C.SPR...
 - Q740N423H() (function in W12C.SPR)
 - RELEASE() ... (function in U.PRG)
- CHR() ... (FoxPro function)
- CHR() ... (FoxPro function)
- EVALID() (function in U.PRG)
 - PUSHHELP() ... (function in U.PRG)
 - W2.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)

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INT() ... (FoxPro function)
SROW() ... (FoxPro function)
SCOL() ... (FoxPro function)
WVISIBLE() ... (FoxPro function)
Q7IOLH8OT() (function in W2.SPR)
Q7IOLH8WD() (function in W2.SPR)
  PRINTENC() (function in
    U.PRG)
    ALLTRIM() ... (FoxPro
      function)
    EMPTY() ... (FoxPro
      function)
    DTOC() (FoxPro function)
    STR() ... (FoxPro
      function)
    TRIM() ... (FoxPro
      function)
    IIF() ... (FoxPro
      function)
    ALLEN() ... (FoxPro
      function)
    PROPER() (FoxPro
      function)
    ALLTRIM() ... (FoxPro
      function)
  Q7IOLH94Q() (function in W2.SPR)
  OBJNUM() ... (FoxPro function)
PCPHELP() ... (function in U.PRG)
Q9VOUMD2M() (function in W12.SPR)
  RELEASE() ... (function in U.PRG)
Q9VOUMDDI() (function in W12.SPR)
  RELEASE() ... (function in U.PRG)
Q9VOUMDJJ() (function in W12.SPR)
  WONTOP() ... (FoxPro function)
W12A.SPR
  SET() ... (FoxPro function)
  WEXIST() ... (FoxPro function)
  INT() ... (FoxPro function)
  SROW() ... (FoxPro function)
  SCOL() ... (FoxPro function)
  WVISIBLE() ... (FoxPro function)
  EDITCOND() ... (function in U.PRG)
  EDITHANDP() ... (function in
    U.PRG)
  Q74ON3U9Y() (function in W12A.SPR)
  RELEASE() ... (function in
    U.PRG)
  CHR() ... (FoxPro function)
  Q74ON3UHF() (function in W12A.SPR)
  WONTOP() ... (FoxPro function)
  W12A.SPR...
Q9VOUMDQF() (function in W12.SPR)
  RELEASE() ... (function in U.PRG)
Q9VOUMDWG() (function in W12.SPR)
  WONTOP() ... (FoxPro function)
W12B.SPR
  SET() ... (FoxPro function)
  WEXIST() ... (FoxPro function)
  INT() ... (FoxPro function)
  SROW() ... (FoxPro function)
  SCOL() ... (FoxPro function)
  WVISIBLE() ... (FoxPro function)

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- Q740N3XWA() (function in W12B.SPR)
 - RELEASE() ... (function in U.PRG)
 - EDITVDIAG() ... (function in U.PRG)
 - EDITASSIS() ... (function in U.PRG)
 - Q740N3Y5O() (function in W12B.SPR)
 - WONTOP() ... (FoxPro function)
 - W12B.SPR...
 - CHR() ... (FoxPro function)
 - Q9VOLUME80() (function in W12.SPR)
 - WONTOP() ... (FoxPro function)
 - STOPREAD() (function in U.PRG)
 - WVISIBLE() ... (FoxPro function)
 - WREAD() (FoxPro function)
 - POPHELP() ... (function in U.PRG)
 - M_ENCSAV() ... (function in DEMO.PRG)
 - M_ENCCLO() (function in DEMO.PRG)
 - M_ENCVALID() ... (function in DEMO.PRG)
 - WCONFIRM() (function in U.PRG)
 - PUSHHELP() ... (function in U.PRG)
 - W10.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
 - POPHELP() ... (function in U.PRG)
 - M_REGPAT (procedure in DEMO.PRG)
 - CTOD() ... (FoxPro function)
 - GETCURPAT() (function in DEMO.PRG)
 - PATID() (function in U.PRG)
 - PUSHHELP() ... (function in U.PRG)
 - W4.SPR
 - SET() ... (FoxPro function)
 - WEXIST() ... (FoxPro function)
 - INT() ... (FoxPro function)
 - SROW() ... (FoxPro function)
 - SCOL() ... (FoxPro function)
 - WVISIBLE() ... (FoxPro function)
 - PVALID() (function in U.PRG)
 - Q7Q0ZD5UR() (function in W4.SPR)
 - Q7Q0ZD65J() (function in W4.SPR)
 - M_PATLIST (procedure in DEMO.PRG)
 - GETPATIENT() (function in DEMO.PRG)
 - PATCOUNT() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - RECCOUNT() ... (FoxPro function)
 - PATNAMES() (function in U.PRG)
 - SELECT() ... (FoxPro function)
 - SET() ... (FoxPro function)
 - TYPE() ... (FoxPro function)
 - ALLTRIM() ... (FoxPro function)



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PATPUTINFO() (function in U.PRG)
  SELECT() ... (FoxPro function)
  FOUND() ... (FoxPro function)
M_PATADD() (function in DEMO.PRG)
  IIF() ... (FoxPro function)
  TYPE() ... (FoxPro function)
  POPMESSAGE() ... (function in U.PRG)
  ISVALIDSSN() ... (function in U.PRG)
  ADDPAT() (function in U.PRG)
    NEXTPAT() (function in U.PRG)
      SYSTEM.DBF (database)
      SELECT() ... (FoxPro function)
      IIF() ... (FoxPro function)
      TYPE() ... (FoxPro function)
  NEWPATIENT() (function in U.PRG)
    SELECT() ... (FoxPro function)
M_ENCVALID() ... (function in DEMO.PRG)
SETCURPAT() (function in DEMO.PRG)
AGEAT() ... (function in DEMO.PRG)
USERCLOSE() (function in U.PRG)
  EMPTY() ... (FoxPro function)
SYSCLOSE() (function in DEMO.PRG)

```

Section VII. Procedure and Function Summary. There are twenty one (21) files containing procedures in the CAMD system: DEMO.PRG, U.PRG, W12.SPR, W2.SPR, WP1.PRG, WP2.PRG, WPATS.PRG, WP3.SPR, WP7.SPR, SECHECK.PRG, W12A.SPR, W12B.SPR, W12C.SPR, W4.SPR, BACKUP.SPR, RESTORE.SPR, W7A.SPR, QUESTION.PRG, Q2.PRG, COLORSET.SPR, CAMD.MPR.

DEMO.PRG -- Last updated: 10/05/92 at 16:36

Contains: M_RESUME	(Params: none)
Called by: M_ENC	(procedure in DEMO.PRG)
Called by: MYHANDLER	(procedure in U.PRG)
Calls: STRCOND	(procedure in DEMO.PRG)
Calls: STRDIAG	(procedure in DEMO.PRG)
Calls: GETEXAREA()	(function in U.PRG)
Calls: DISEASENAM()	(function in U.PRG)
Calls: AGEAT	(procedure in DEMO.PRG)
Calls: EDSEXAGE	(procedure in DEMO.PRG)
Calls: ENCNTTITLE()	(function in U.PRG)
Calls: M_ENCSAV	(procedure in DEMO.PRG)
Calls: M_ENCCLO	(procedure in DEMO.PRG)
Calls: M_ENCVVALID	(procedure in DEMO.PRG)
Calls: WCONFIRM()	(function in U.PRG)
Contains: M_REGPAT	(Params: none)
Called by: MYHANDLER	(procedure in U.PRG)
Calls: GETCURPAT	(procedure in DEMO.PRG)
Calls: PATID()	(function in U.PRG)
Calls: M_PATPUT	(procedure in DEMO.PRG)
Calls: M_PATADD	(procedure in DEMO.PRG)
Calls: M_ENCVVALID	(procedure in DEMO.PRG)
Calls: SETCURPAT	(procedure in DEMO.PRG)
Calls: AGEAT	(procedure in DEMO.PRG)
Contains: M_PAT	(Params: none)
Calls: OPENFILES()	(function in U.PRG)
Calls: KEYLOG.PRG	
Calls: WPAT	(procedure in DEMO.PRG)
Calls: FLUSHFILES()	(function in U.PRG)
Contains: M_ENC	(Params: none)
Called by: M_NEWENC	(procedure in DEMO.PRG)
Called by: M_TRAINING	(procedure in DEMO.PRG)
Calls: ENCOUNT	(procedure in DEMO.PRG)
Calls: M_RESUME	(procedure in DEMO.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: M_COMPL	(Params: none)
Called by: EDITCOMPL	(procedure in U.PRG)
Calls: GETDIAGAREA	(procedure in DEMO.PRG)
Calls: M_ENCRULE	(procedure in DEMO.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: M_DIAG	(Params: none)
Called by: EDITDIAG	(procedure in U.PRG)
Calls: ASKDIAG	(procedure in DEMO.PRG)
Calls: DISEASENAM()	(function in U.PRG)
Calls: DISEASEID()	(function in U.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: M_ASSIST	(Params: none)
Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: EDITASSIS	(procedure in U.PRG)
Calls: POPUPSHOW()	(function in U.PRG)
Calls: RESETDIAG	(procedure in DEMO.PRG)
Calls: TESTRULES	(procedure in DEMO.PRG)
Calls: EVALRULES	(procedure in DEMO.PRG)
Calls: MAKEDIAG	(procedure in DEMO.PRG)

Calls: POPMESSAGE()	(function in U.PRG)
Calls: POPUPHIDE()	(function in U.PRG)
Contains: M_HANDP	(Params: none)
Called by: EDITHANDP	(procedure in U.PRG)
Calls: POPUPSHOW()	(function in U.PRG)
Calls: TESTRULES	(procedure in DEMO.PRG)
Calls: POPUPHIDE()	(function in U.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: M_TREAT	(Params: NEWTREAT)
Called by: EDITTREAT	(procedure in U.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: M_REDOQ	(Params: MITEM)
Called by: EDITCOND	(procedure in U.PRG)
Calls: GETQ	(procedure in DEMO.PRG)
Calls: ERASEQ	(procedure in DEMO.PRG)
Calls: ASK	(procedure in DEMO.PRG)
Calls: RESTOREQ	(procedure in DEMO.PRG)
Contains: ENCOUNT	(Params: none)
Called by: M_ENC	(procedure in DEMO.PRG)
Calls: GETENCNT	(procedure in DEMO.PRG)
Calls: PATSSN()	(function in U.PRG)
Calls: M_PATGET	(procedure in DEMO.PRG)
Calls: M_ENCGET	(procedure in DEMO.PRG)
Calls: M_ENCNEW	(procedure in DEMO.PRG)
Contains: M_ENCCLO	(Params: none)
Called by: M_RESUME	(procedure in DEMO.PRG)
Contains: M_ENCSAV	(Params: none)
Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: M_RESUME	(procedure in DEMO.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Calls: M_ENCVALID	(procedure in DEMO.PRG)
Calls: ADDENCNT()	(function in U.PRG)
Calls: NEWENCNT()	(function in U.PRG)
Calls: PUTENCNT()	(function in U.PRG)
Calls: PUTSYMPTOM()	(function in U.PRG)
Calls: PUTDIAGNOS()	(function in U.PRG)
Contains: M_ENCVALID	(Params: none)
Called by: M_RESUME	(procedure in DEMO.PRG)
Called by: M_REGPAT	(procedure in DEMO.PRG)
Called by: M_ENCSAV	(procedure in DEMO.PRG)
Contains: M_ENCGET	(Params: none)
Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: ENCOUNT	(procedure in DEMO.PRG)
Calls: POPUPSHOW()	(function in U.PRG)
Calls: LODENC	(procedure in DEMO.PRG)
Calls: M_ENCRULE	(procedure in DEMO.PRG)
Calls: AGEAT	(procedure in DEMO.PRG)
Calls: EDSEXAGE	(procedure in DEMO.PRG)
Calls: POPUPHIDE()	(function in U.PRG)
Contains: M_ENCNEW	(Params: none)
Called by: ENCOUNT	(procedure in DEMO.PRG)
Calls: NEXTENCNT()	(function in U.PRG)
Calls: AGEAT	(procedure in DEMO.PRG)
Calls: DELSYMPTOM	(procedure in DEMO.PRG)
Calls: DELDIAGNOS	(procedure in DEMO.PRG)
Calls: EDSEXAGE	(procedure in DEMO.PRG)
Contains: EDSEXAGE	(Params: MAGE, MSEX)
Called by: M_RESUME	(procedure in DEMO.PRG)
Called by: M_ENCGET	(procedure in DEMO.PRG)
Called by: M_ENCNEW	(procedure in DEMO.PRG)
Calls: ADDHISTORY	(procedure in DEMO.PRG)
Contains: M_ENCRULE	(Params: none)

Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: M_COMPL	(procedure in DEMO.PRG)
Called by: M_ENCGET	(procedure in DEMO.PRG)
Calls: LODRULE	(procedure in DEMO.PRG)
Contains: LODRULE	(Params: MAREA)
Called by: M_ENCRULE	(procedure in DEMO.PRG)
Calls: GETRULEBASE()	(function in U.PRG)
Contains: TESTRULES	(Params: MAREA)
Called by: M_ASSIST	(procedure in DEMO.PRG)
Called by: M_HANDP	(procedure in DEMO.PRG)
Calls: EVALCOND	(procedure in DEMO.PRG)
Contains: EVALRULES	(Params: MAREA)
Called by: M_ASSIST	(procedure in DEMO.PRG)
Calls: EVALCOND	(procedure in DEMO.PRG)
Contains: OBJTYPE	(Params: MOBJECT)
Contains: EVALCOND	(Params: MOBJECT, MID, MOP, MVAL)
Called by: TESTRULES	(procedure in DEMO.PRG)
Called by: EVALRULES	(procedure in DEMO.PRG)
Called by: INVERTCOND	(procedure in DEMO.PRG)
Calls: MULFACTOR	(procedure in DEMO.PRG)
Calls: SETQ	(procedure in DEMO.PRG)
Calls: ASK	(procedure in DEMO.PRG)
Contains: UNDO RULES	(Params: none)
Called by: M_UNDO RULE	(procedure in DEMO.PRG)
Calls: UNDOFACTOR	(procedure in DEMO.PRG)
Calls: UNDOQUAL	(procedure in DEMO.PRG)
Contains: UNDOFACTOR	(Params: STATESTR)
Called by: UNDO RULES	(procedure in DEMO.PRG)
Calls: FACTORID	(procedure in DEMO.PRG)
Contains: UNDOQUAL	(Params: STATESTR)
Called by: UNDO RULES	(procedure in DEMO.PRG)
Called by: POPQ	(procedure in DEMO.PRG)
Calls: QID	(procedure in DEMO.PRG)
Contains: ASKDIAG	(Params: MDIAGNOSIS)
Called by: M_DIAG	(procedure in DEMO.PRG)
Calls: DISEASECNT()	(function in U.PRG)
Calls: DISNAMES()	(function in U.PRG)
Calls: GETDISLIST()	(function in U.PRG)
Contains: GETDIAGAREA	(Params: none)
Called by: M_COMPL	(procedure in DEMO.PRG)
Called by: M_DATA	(procedure in DEMO.PRG)
Calls: AREACOUNT()	(function in U.PRG)
Calls: AREANAMES()	(function in U.PRG)
Calls: GETAREALIST()	(function in U.PRG)
Contains: GETPATIENT	(Params: MKEY)
Called by: M_PATLIST	(procedure in DEMO.PRG)
Calls: PATCOUNT()	(function in U.PRG)
Calls: PATNAMES()	(function in U.PRG)
Calls: GETPATLIST()	(function in U.PRG)
Contains: GETENCNT	(Params: MPATIENTID, MDATE)
Called by: ENCOUNT	(procedure in DEMO.PRG)
Calls: ENCCOUNT()	(function in U.PRG)
Calls: ENCNames()	(function in U.PRG)
Calls: GETENCLIST()	(function in U.PRG)
Calls: PATSSN()	(function in U.PRG)
Contains: INIENCOUNT()	(Params: none)
Called by: DEMO.PRG	
Calls: GETSTATION()	(function in U.PRG)
Contains: LODENC	(Params: MENCOUNTID)
called by: M_ENCGET	(procedure in DEMO.PRG)
Called by: SFENCOUNT	(procedure in U.PRG)
Calls: ENCGETINFO()	(function in U.PRG)

Calls: DELDIAGNOS	(procedure in DEMO.PRG)
Calls: GETDIAGNOS()	(function in U.PRG)
Calls: DELSYMPTON	(procedure in DEMO.PRG)
Calls: GETSYMPTON()	(function in U.PRG)
Contains: M_CHANGE	(Params: none)
Calls: CHANGEQ	(procedure in DEMO.PRG)
Calls: POPQ	(procedure in DEMO.PRG)
Calls: M_UNDORULE	(procedure in DEMO.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: M_UNDO	(Params: none)
Calls: LASTQ	(procedure in DEMO.PRG)
Calls: POPQ	(procedure in DEMO.PRG)
Calls: M_UNDORULE	(procedure in DEMO.PRG)
Contains: M_UNDORULE	(Params: none)
Called by: M_CHANGE	(procedure in DEMO.PRG)
Called by: M_UNDO	(procedure in DEMO.PRG)
Calls: UNDORULES	(procedure in DEMO.PRG)
Contains: MYUNDO	(Params: none)
Calls: UNDOMENU()	(function in U.PRG)
Contains: MAKEDIAG	(Params: none)
Called by: M_ASSIST	(procedure in DEMO.PRG)
Calls: NORMFACTOR	(procedure in DEMO.PRG)
Contains: GETCURPAT	(Params: MPID, MSSN, MLAST, MFIRST, MBIRTH, MSX, MRATE)
Called by: M_REGPAT	(procedure in DEMO.PRG)
Contains: SETCURPAT	(Params: MPID, MSSN, MLAST, MFIRST, MBIRTH, MSX, MRATE)
Called by: M_REGPAT	(procedure in DEMO.PRG)
Contains: M_PATLIST	(Params: none)
Called by: Q7Q0ZD65J()	(function in W4.SPR)
Calls: GETPATIENT	(procedure in DEMO.PRG)
Calls: M_PATGET	(procedure in DEMO.PRG)
Contains: M_PATGET	(Params: MPID, MSSN, MLAST, MFIRST, MBIRTH, MSX, MRATE)
Called by: ENCOUNT	(procedure in DEMO.PRG)
Called by: M_PATLIST	(procedure in DEMO.PRG)
Called by: SFENCOUNT	(procedure in U.PRG)
Calls: PATGETINFO()	(function in U.PRG)
Calls: ERRMESSAGE()	(function in U.PRG)
Contains: M_PATPUT	(Params: MPID, MSSN, MLAST, MFIRST, MBIRTH, MSX, MRATE)
Called by: M_REGPAT	(procedure in DEMO.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Calls: ISVALIDSSN()	(function in U.PRG)
Calls: PATPUTINFO()	(function in U.PRG)
Contains: M_PATADD	(Params: MPID, MSSN, MLAST, MFIRST, MBIRTH, MSX, MRATE)
Called by: M_REGPAT	(procedure in DEMO.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Calls: ISVALIDSSN()	(function in U.PRG)
Calls: ADDPAT()	(function in U.PRG)
Calls: NEWPATIENT()	(function in U.PRG)
Contains: AGEAT	(Params: MDATE, MDATEBIRTH)
Called by: M_RESUME	(procedure in DEMO.PRG)
Called by: M_REGPAT	(procedure in DEMO.PRG)
Called by: M_ENCGET	(procedure in DEMO.PRG)
Called by: M_ENCNEW	(procedure in DEMO.PRG)
Called by: WPAT	(procedure in DEMO.PRG)
Contains: ADDDIAGNOS	(Params: DNAME, DVAL)
Called by: GETDIAGNOS()	(function in U.PRG)
Calls: DEFFACTOR	(procedure in DEMO.PRG)
Contains: ADDHISTORY	(Params: HISTNAME, HISTVAL)

Called by: EDSEXAGE	(procedure in DEMO.PRG)
Calls: DICTQNAME()	(function in U.PRG)
Calls: ERASEQ	(procedure in DEMO.PRG)
Calls: ADDSYMPTOM	(procedure in DEMO.PRG)
Contains: ADDSYMPTOM	(Params: MNAME, MVAL)
Called by: ADDHISTORY	(procedure in DEMO.PRG)
Called by: GETSYMPTOM()	(function in U.PRG)
Calls: DEFQ	(procedure in DEMO.PRG)
Contains: DELDIAGNOS	(Params: none)
Called by: INIDIAGNOS()	(function in DEMO.PRG)
Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: M_ENCNEW	(procedure in DEMO.PRG)
Called by: LODENC	(procedure in DEMO.PRG)
Calls: RESETDIAG	(procedure in DEMO.PRG)
Contains: RESETDIAG	(Params: none)
Called by: M_ASSIST	(procedure in DEMO.PRG)
Called by: DELDIAGNOS	(procedure in DEMO.PRG)
Contains: DELSYMPTOM	(Params: none)
Called by: INISYMPTOM()	(function in DEMO.PRG)
Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: M_ENCNEW	(procedure in DEMO.PRG)
Called by: LODENC	(procedure in DEMO.PRG)
Contains: INCR	(Params: MSTR, MINCR)
Called by: DECR	(procedure in DEMO.PRG)
Calls: GETFACTOR	(procedure in DEMO.PRG)
Calls: SETFACTOR	(procedure in DEMO.PRG)
Contains: DECR	(Params: MSTR, MINCR)
Calls: INCR	(procedure in DEMO.PRG)
Contains: MULFACTOR	(Params: MSTR, MVAL)
Called by: EVALCOND	(procedure in DEMO.PRG)
Calls: FACTORID	(procedure in DEMO.PRG)
Contains: SUMFACTOR	(Params: none)
Called by: NORMFACTOR	(procedure in DEMO.PRG)
Contains: NORMFACTOR	(Params: none)
Called by: MAKEDIAG	(procedure in DEMO.PRG)
Calls: SUMFACTOR	(procedure in DEMO.PRG)
Contains: GETFACTOR	(Params: MSTR)
Called by: INCR	(procedure in DEMO.PRG)
Calls: FACTORID	(procedure in DEMO.PRG)
Contains: SETFACTOR	(Params: MSTR, MVAL)
Called by: INCR	(procedure in DEMO.PRG)
Calls: DEFFACTOR	(procedure in DEMO.PRG)
Contains: DEFFACTOR	(Params: MSTR, MVAL)
Called by: ADDDIAGNOS	(procedure in DEMO.PRG)
Called by: SETFACTOR	(procedure in DEMO.PRG)
Calls: FACTORID	(procedure in DEMO.PRG)
Contains: FACTORID	(Params: MSTR)
Called by: UNDOFACTOR	(procedure in DEMO.PRG)
Called by: MULFACTOR	(procedure in DEMO.PRG)
Called by: GETFACTOR	(procedure in DEMO.PRG)
Called by: DEFFACTOR	(procedure in DEMO.PRG)
Called by: ADDFACTOR	(procedure in DEMO.PRG)
Calls: ERRMESSAGE()	(function in U.PRG)
Contains: ADDFACTOR	(Params: MSTR)
Calls: FACTORID	(procedure in DEMO.PRG)
Contains: INIDIAGNOS()	(Params: none)
Called by: DEMO.PRG	(function in U.PRG)
Calls: DISEASECNT()	(procedure in DEMO.PRG)
Calls: DELDIAGNOS	(Params: none)
Contains: INISYMPTOM()	(function in U.PRG)
Called by: DEMO.PRG	(function in U.PRG)
Calls: DICTCOUNT()	(function in U.PRG)

Calls: DELSYMPTON
 Contains: LOOKUPQ
 Called by: CHANGEQ
 Called by: LASTQ
 Calls: DICTQ()
 Contains: LOOKUPNAM
 Called by: STRCOND
 Calls: DICTQ()
 Contains: ASK
 Called by: M_REDOQ
 Called by: EVALCOND
 Calls: EVALQ
 Contains: ISQ
 Calls: EVALQ
 Contains: VALQ
 Calls: EVALQ
 Contains: EVALQ
 Called by: ASK
 Called by: ISQ
 Called by: VALQ
 Calls: QID
 Calls: EDITSYMP
 Calls: DEFQ
 Calls: PUSHQ
 Contains: EDITSYMP
 Called by: EVALQ
 Calls: DICTQ()
 Calls: ERRMESSAGE()
 Calls: DICTQV()
 Calls: EDNUM()
 Calls: EDBOOL()
 Calls: DICTECOUNT()
 Calls: DICTQE()
 Calls: EDCHECK()
 Contains: SETQ
 Called by: EVALCOND
 Calls: DEFQ
 Contains: DEFQ
 Called by: ADDSYMPTON
 Called by: EVALQ
 Called by: SETQ
 Calls: QID
 Contains: GETQ
 Called by: M_REDOQ
 Called by: STRNATURAL
 Called by: SFSYMP
 Calls: QID
 Contains: ERASEQ
 Called by: M_REDOQ
 Called by: ADDHISTORY
 Calls: QID
 Contains: RESTOREQ
 Called by: M_REDOQ
 Calls: QID
 Contains: PUSHQ
 Called by: EVALQ
 Contains: CHANGEQ
 Called by: M_CHANGE
 Calls: LOOKUPQ
 Calls: CHANGELIST()
 Contains: POPQ
 Called by: M_CHANGE

(procedure in DEMO.PRG)
 (Params: MID)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (function in U.PRG)
 (Params: MID)
 (procedure in DEMO.PRG)
 (function in U.PRG)
 (Params: MSTR, MQ)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MSTR, MVAL)
 (procedure in DEMO.PRG)
 (Params: MSTR)
 (procedure in DEMO.PRG)
 (Params: MSTR)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: DICTID, MSTRVAL)
 (procedure in DEMO.PRG)
 (function in U.PRG)
 (function in U.PRG)
 (function in U.PRG)
 (function in U.PRG)
 (function in U.PRG)
 (function in U.PRG)
 (function in U.PRG)
 (Params: MSTR, MVAL)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MSTR, MVAL)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MSTR)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MSTR)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MSTR, MVAL)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MSTR, MVAL)
 (procedure in DEMO.PRG)
 (Params: N)
 (procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (function in U.PRG)
 (Params: N)
 (procedure in DEMO.PRG)

Called by: M UNDO	(procedure in DEMO.PRG)
Calls: UNDOQUAL	(procedure in DEMO.PRG)
Contains: LASTQ	(Params: none)
Called by: M UNDO	(procedure in DEMO.PRG)
Calls: LOOKUPQ	(procedure in DEMO.PRG)
Contains: QID	(Params: MSTR)
Called by: UNDOQUAL	(procedure in DEMO.PRG)
Called by: EVALQ	(procedure in DEMO.PRG)
Called by: DEFQ	(procedure in DEMO.PRG)
Called by: GETQ	(procedure in DEMO.PRG)
Called by: ERASEQ	(procedure in DEMO.PRG)
Called by: RESTOREQ	(procedure in DEMO.PRG)
Called by: ADDQ	(procedure in DEMO.PRG)
Calls: ERRMESSAGE()	(function in U.PRG)
Contains: ADDQ	(Params: MSTR)
Calls: QID	(procedure in DEMO.PRG)
Contains: STRCOND	(Params: MCOND, MQID, MNAME, MVAL, DELIM)
Called by: M RESUME	(procedure in DEMO.PRG)
Called by: EDITCOND	(procedure in U.PRG)
Called by: EDITHANDP	(procedure in U.PRG)
Calls: LOOKUPNAM	(procedure in DEMO.PRG)
Contains: STRDIAG	(Params: MSORTED, MDIAG, MCONF, THRESHOLD, LIMIT, SHOWCONF)
Called by: M RESUME	(procedure in DEMO.PRG)
Called by: EDITASSIS	(procedure in U.PRG)
Calls: DISEASENAM()	(function in U.PRG)
Contains: STRNATURAL	(Params: MAREA)
Calls: GETQ	(procedure in DEMO.PRG)
Calls: DICTREPORT()	(function in U.PRG)
Calls: SPLIT()	(function in U.PRG)
Contains: BATCHTEST()	(Params: TESTING, TESTFILE, LOGFILE)
Called by: DEMO.PRG	
Calls: DELSYMPTOM	(procedure in DEMO.PRG)
Calls: DELDIAGNOS	(procedure in DEMO.PRG)
Calls: M ENCRULE	(procedure in DEMO.PRG)
Calls: ENC2STR	(procedure in DEMO.PRG)
Calls: M ENCGET	(procedure in DEMO.PRG)
Calls: M ASSIST	(procedure in DEMO.PRG)
Calls: M ENCSAV	(procedure in DEMO.PRG)
Calls: ENC2BIT	(procedure in DEMO.PRG)
Calls: DISEASENAM()	(function in U.PRG)
Contains: ENC2STR	(Params: MAREA, MBIT)
Called by: BATCHTEST()	(function in DEMO.PRG)
Calls: INVERTCOND	(procedure in DEMO.PRG)
Contains: ENC2BIT	(Params: FIRE)
Called by: BATCHTEST()	(function in DEMO.PRG)
Contains: INVERTCOND	(Params: NOBJECT, MID, MOP, MVAL)
Called by: ENC2STR	(procedure in DEMO.PRG)
Calls: EVALCOND	(procedure in DEMO.PRG)
Contains: SYSINIT()	(Params: none)
Called by: DEMO.PRG	
Calls: SETPATH	(procedure in U.PRG)
Calls: GETOPTS	(procedure in U.PRG)
Contains: SYSCLOSE()	(Params: none)
Called by: DEMO.PRG	
Contains: WPAT	(Params: none)
Called by: M PAT	(procedure in DEMO.PRG)
Called by: M NEWENC	(procedure in DEMO.PRG)
Called by: M TRAINING	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WPl.PRG	

Calls: DP.PRG	
Calls: AGEAT	(procedure in DEMO.PRG)
Calls: WPCLEAN	(procedure in DEMO.PRG)
Calls: POPHELP	(procedure in U.PRG)
Contains: WPCLEAN	(Params: none)
Called by: WPAT	(procedure in DEMO.PRG)
Contains: M SF600	(Params: none)
Calls: OPENFILES()	(function in U.PRG)
Calls: SFENCOUNT	(procedure in U.PRG)
Calls: SFREPORT	(procedure in DEMO.PRG)
Calls: FLUSHFILES()	(function in U.PRG)
Contains: SFREPORT	(Params: MAREA)
Called by: M SF600	(procedure in DEMO.PRG)
Calls: YESNO.PRG	(function in U.PRG)
Calls: POPUPSHOW()	(procedure in DEMO.PRG)
Calls: SFSYMP	(function in U.PRG)
Calls: POPUPHIDE()	(procedure in DEMO.PRG)
Calls: SFDIAG	(procedure in DEMO.PRG)
Calls: SFTREAT	(procedure in DEMO.PRG)
Calls: EDITTEXT	(procedure in DEMO.PRG)
Contains: SFSYMP	(Params: MAREA)
Called by: SFREPORT	(procedure in DEMO.PRG)
Calls: CASECONVERT	(procedure in U.PRG)
Calls: GETQ	(procedure in DEMO.PRG)
Calls: DICTREPORT()	(function in U.PRG)
Calls: DP.PRG	
Contains: EDITTEXT	(Params: MTEXT)
Called by: SFREPORT	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WP6.SPR	
Calls: POPHELP	
Calls: WP7.SPR	(procedure in U.PRG)
Contains: SFDIAG	(Params: none)
Called by: SFREPORT	(procedure in DEMO.PRG)
Calls: DISEASENAME()	(function in U.PRG)
Contains: SFTREAT	(Params: none)
Called by: SFREPORT	(procedure in DEMO.PRG)
Contains: M NEWENC	(Params: none)
Calls: OPENFILES()	(function in U.PRG)
Calls: WPAT	(procedure in DEMO.PRG)
Calls: M ENC	(procedure in DEMO.PRG)
Calls: KEYLOG.PRG	
Calls: FLUSHFILES()	(function in U.PRG)
Contains: M TRAINING	(Params: none)
Calls: OPENFILES()	(function in U.PRG)
Calls: WPAT	(procedure in DEMO.PRG)
Calls: KEYLOG.PRG	
Calls: M ENC	(procedure in DEMO.PRG)
Calls: FLUSHFILES()	(function in U.PRG)
Contains: BACKUP	(Params: MESSAGE, WILDCARD, FILENAME)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: BACKUP.SPR	
Calls: POPHELP	
Calls: KEYLOG.PRG	(procedure in U.PRG)
Contains: RESTORE	(Params: MESSAGE, WILDCARD, FILENAME)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: RESTORE.SPR	
Calls: POPHELP	
Calls: KEYLOG.PRG	(procedure in U.PRG)
Contains: M LOOKUP	(Params: none)
Calls: DISEASECNT()	(function in U.PRG)
Calls: DISNAMES()	(function in U.PRG)

Calls: GETDISLOOKUPLIST	(procedure in U.PRG)
Calls: KEYLOG.PRG	
Contains: M DATA	(Params: none)
Calls: GETDIAGAREA	(procedure in DEMO.PRG)
Calls: QUESTION.PRG	
Calls: KEYLOG.PRG	

U.PRG -- Last updated: 10/13/92 at 10:21

Contains: WCHOICE	(Params: TOP, LEFT, BOTTOM, RIGHT, MPAD, MCOLOR, MTITLE, MHELP, MCHOICE)
Called by: CHANGELIST()	(function in U.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W14.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: WCONFIRM()	(Params: M.PROMPT, MHELP)
Called by: M RESUME	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W10.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: USERINIT()	(Params: NOTIME)
Called by: DEMO.PRG	
Calls: INITHELP	(procedure in U.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: GETCOLORS	(procedure in U.PRG)
Contains: USERCLOSE()	(Params: none)
Called by: DEMO.PRG	
Contains: CHANGELIST()	(Params: QNAMES, MCHOICE)
Called by: CHANGEQ	(procedure in DEMO.PRG)
Calls: WCHOICE	(procedure in U.PRG)
Contains: GETDISLIST()	(Params: MLIST)
Called by: ASKDIAG	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W7.SPR	
Calls: POPHELP	(procedure in U.PRG)
Calls: DISEASEGET	(procedure in U.PRG)
Calls: W8.PRG	
Contains: GETDISLOOKUPLIST	(Params: MLIST)
Called by: M LOOKUP	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W7A.SPR	
Calls: POPHELP	(procedure in U.PRG)
Calls: DISEASEGET	(procedure in U.PRG)
Calls: W8.PRG	
Contains: EDNUM()	(Params: MID, MNAME, MQUESTION, MEXTRA, MHI, MLO, MWIDTH, MDEC, MUNITS, MSTRVAL)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W6.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: EDBOOL()	(Params: ID, MNAME, MQUESTION, MEXTRA, MSTRVAL)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W6C.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: EDLIST	(Params: ID, MNAME, MQUESTION, MEXTRA, CHOICES, MSTRVAL)
Calls: PUSHHELP	(procedure in U.PRG)

Calls: W6B.SPR
 Calls: POPHELP
 Contains: EDCHECK()

Called by: EDITSYMP
 Calls: PUSHHELP
 Calls: SETCHECK
 Calls: W6A.PRG
 Calls: POPHELP
 Contains: EDCHECK
 Called By: W6A.PRG
 Calls: SETCHECK
 Contains: SETCHECK
 Called by: EDCHECK()
 Called by: EDCHECK
 Contains: GETENCLIST()
 Called by: GETENCNT
 Calls: PUSHHELP
 Calls: W11.SPR
 Calls: POPHELP
 Contains: ENCNTTITLE()

Called by: M RESUME
 Calls: PUSHHELP
 Calls: W12.SPR
 Calls: POPHELP
 Contains: EVALID
 Called By: W12.SPR
 Calls: PUSHHELP
 Calls: W2.SPR
 Calls: POPHELP
 Contains: EDITCOND
 Called By: W12.SPR
 Called by: W12A.SPR
 Calls: M REDOQ
 Calls: STRCOND
 Contains: EDITVDIAG
 Called By: W12.SPR
 Called by: W12B.SPR
 Calls: DISEASEGET
 Calls: PUSHHELP
 Calls: W8.PRG
 Calls: POPHELP
 Contains: EDITCOMPL
 Called By: W12.SPR
 Calls: M COMPL
 Calls: GETEXAREA()
 Contains: EDITDIAG
 Called By: W12.SPR
 Calls: M DIAG
 Calls: DISEASENAM()
 Contains: EDITHANDP
 Called By: W12.SPR
 Called by: W12A.SPR
 Calls: M HANDP
 Calls: STRCOND
 Contains: EDITASSIS
 Called By: W12.SPR

(procedure in U.PRG)
 (Params: ID, MNAME, MQUESTION,
 MEXTRA, CHOICES, INCLUSIVE, CHECK,
 MSTRVAL)

(procedure in DEMO.PRG)
 (procedure in U.PRG)
 (procedure in U.PRG)

(procedure in U.PRG)
 (Params: none)

(procedure in U.PRG)
 (Params: N, CHECK, INCLUSIVE)
 (function in U.PRG)
 (procedure in U.PRG)
 (Params: MLIST, MKEY)
 (procedure in DEMO.PRG)
 (procedure in U.PRG)

(procedure in U.PRG)
 (Params: ME_SSN, ME_LASTNAM,
 ME_FIRSTNA, ME_SEX, ME_AGE,
 ME_DATEENC, ME_TIMEENC, ME_AREA,
 ME_PROVIDR, ME_DIAGNOS, ME_DIAG,
 ME_COND, ME TREAT, ME STATE)
 (procedure in DEMO.PRG)
 (procedure in U.PRG)

(procedure in U.PRG)
 (Params: none)

(procedure in U.PRG)

(procedure in U.PRG)
 (Params: MITEM)

(procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: MITEM)

(procedure in U.PRG)
 (procedure in U.PRG)

(procedure in U.PRG)
 (Params: none)

(procedure in DEMO.PRG)
 (function in U.PRG)
 (Params: none)

(procedure in DEMO.PRG)
 (function in U.PRG)
 (Params: none)

(procedure in DEMO.PRG)
 (procedure in DEMO.PRG)
 (Params: none)

Called by: W12B.SPR	
Calls: M ASSIST	(procedure in DEMO.PRG)
Calls: STRDIAG	(procedure in DEMO.PRG)
Contains: EDITTREAT	(Params: none)
Called by: W12.SPR	
Calls: M TREAT	(procedure in DEMO.PRG)
Contains: RELEASE	(Params: MWINS)
Contains: PRINTENC	(Params: MPRINTFILE)
Called by: Q7IOLH8WD()	(function in W2.SPR)
Contains: STOPREAD	(Params: MWINDOW)
Called by: W12.SPR	
Called by: W4.SPR	
Contains: ERRMESSAGE()	(Params: ERRSTR)
Called by: M PATGET	(procedure in DEMO.PRG)
Called by: FACTORID	(procedure in DEMO.PRG)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Called by: QID	(procedure in DEMO.PRG)
Contains: POPMESSAGE()	(Params: ERRSTR)
Called by: M ENC	(procedure in DEMO.PRG)
Called by: M COMPL	(procedure in DEMO.PRG)
Called by: M DIAG	(procedure in DEMO.PRG)
Called by: M ASSIST	(procedure in DEMO.PRG)
Called by: M HANDP	(procedure in DEMO.PRG)
Called by: M TREAT	(procedure in DEMO.PRG)
Called by: M ENCSAV	(procedure in DEMO.PRG)
Called by: M CHANGE	(procedure in DEMO.PRG)
Called by: M PATPUT	(procedure in DEMO.PRG)
Called by: M PATADD	(procedure in DEMO.PRG)
Called by: QUIT	(procedure in U.PRG)
Called by: SEARCH	(procedure in U.PRG)
Called by: MORESEARCH	(procedure in U.PRG)
Called by: SFENCOUNT	(procedure in U.PRG)
Called by: SFGETENC	(procedure in U.PRG)
Called by: Q8DOTWCZ4()	(function in WP2.PRG)
Called by: Q8DOTWDV1()	(function in WP2.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W9.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: POPUPSHOW()	(Params: ERRSTR)
Called by: DEMO.PRG	
Called by: OPENFILES()	(function in U.PRG)
Called by: M ASSIST	(procedure in DEMO.PRG)
Called by: M HANDP	(procedure in DEMO.PRG)
Called by: M ENCGET	(procedure in DEMO.PRG)
Called by: SFREPORT	(procedure in DEMO.PRG)
Called by: REINDEX	(procedure in U.PRG)
Contains: POPUPHIDE()	(Params: W)
Called by: DEMO.PRG	
Called by: OPENFILES()	(function in U.PRG)
Called by: M ASSIST	(procedure in DEMO.PRG)
Called by: M HANDP	(procedure in DEMO.PRG)
Called by: M ENCGET	(procedure in DEMO.PRG)
Called by: SFREPORT	(procedure in DEMO.PRG)
Called by: SEARCH	(procedure in U.PRG)
Called by: MORESEARCH	(procedure in U.PRG)
Called by: REINDEX	(procedure in U.PRG)
Contains: GETAREALIST()	(Params: MLIST)
Called by: GETDIAGAREA	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: W5.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: GETPATLIST()	(Params: MKEY, MLIST)

Called by: GETPATIENT	(procedure in DEMO.PRG)	
Calls: PUSHHELP	(procedure in U.PRG)	
Calls: W3.SPR		
Calls: POPHELP	(procedure in U.PRG)	
Contains: MAINMENU()	(Params: none)	
Called by: DEMO.PRG		
Calls: CAMD.MPR		
Calls: MYHANDLER	(procedure in U.PRG)	
Contains: MYHANDLER	(Params: none)	
Called by: MAINMENU()	(function in U.PRG)	
Calls: M_RESUME	(procedure in DEMO.PRG)	
Calls: M_REGPAT	(procedure in DEMO.PRG)	
Contains: MHIT	(Params: PROG)	
Called by: CAMD.MPR		
Called by: Q9POPFLR8	(procedure in CAMD.MPR)	
Called by: CAMDTR.MPR		
Contains: QUIT	(Params: none)	
Called by: CAMD.MPR		
Called by: CAMDTR.MPR		
Calls: POPMESSAGE()	(function in U.PRG)	
Contains: PATID()	(Params: MPATIENTID, MSOCSEC,	
	MLASTNAME, MFIRSTNAME, MDATEBIRTH,	
	MSEX, MRATERANK, ISEDT)	
	(procedure in DEMO.PRG)	
	(procedure in U.PRG)	
Called by: M_REGPAT		
Calls: PUSHHELP		
Calls: W4.SPR		
Calls: POPHELP	(procedure in U.PRG)	
Contains: PVALID	(Params: none)	
Called by: W4.SPR		
Contains: UNDOMENU()	(Params: none)	
Called by: MYUNDO	(procedure in DEMO.PRG)	
Calls: W13.SPR		
Contains: PUSHHELP	(Params: HELPTOPIC)	
Called by: WP2.PRG		
Called by: USERINIT()	(function in U.PRG)	
Called by: WPAT	(procedure in DEMO.PRG)	
Called by: EDITTEXT	(procedure in DEMO.PRG)	
Called by: BACKUP	(procedure in DEMO.PRG)	
Called by: RESTORE	(procedure in DEMO.PRG)	
Called by: ENCNTITLE()	(function in U.PRG)	
Called by: WCONFIRM()	(function in U.PRG)	
Called by: PATID()	(function in U.PRG)	
Called by: POPMESSAGE()	(function in U.PRG)	
Called by: GETDISLIST()	(function in U.PRG)	
Called by: GETAREALIST()	(function in U.PRG)	
Called by: GETPATLIST()	(function in U.PRG)	
Called by: GETENCLIST()	(function in U.PRG)	
Called by: EDNUM()	(function in U.PRG)	
Called by: EDBOOL()	(function in U.PRG)	
Called by: EDCHECK()	(function in U.PRG)	
Called by: WCHOICE	(procedure in U.PRG)	
Called by: GETDISLOOKUPLIST	(procedure in U.PRG)	
Called by: EDLIST	(procedure in U.PRG)	
Called by: EVALID	(procedure in U.PRG)	
Called by: EDITVDIAG	(procedure in U.PRG)	
Called by: WPGETPATLIST	(procedure in U.PRG)	
Called by: SEARCH	(procedure in U.PRG)	
Called by: SFENCOUNT	(procedure in U.PRG)	
Called by: SFENCLIST	(procedure in U.PRG)	
Called by: SFGETPATLIST	(procedure in U.PRG)	
Called by: Q9POPFL0Y	(procedure in CAMD.MPR)	
Calls: SETHELP	(procedure in U.PRG)	

Contains: POPHELP	(Params: none)
Called by: WP2.PR	(procedure in DEMO.PR
Called by: WPAT	(procedure in DEMO.PR
Called by: EDITTEXT	(procedure in DEMO.PR
Called by: BACKUP	(procedure in DEMO.PR
Called by: RESTORE	(procedure in DEMO.PR
Called by: ENCNTTITLE()	(function in U.PR
Called by: WCONFIRM()	(function in U.PR
Called by: PATID()	(function in U.PR
Called by: POPMESSAGE()	(function in U.PR
Called by: GETDISLIST()	(function in U.PR
Called by: GETAREALIST()	(function in U.PR
Called by: GETPATLIST()	(function in U.PR
Called by: GETENCLIST()	(function in U.PR
Called by: EDNUM()	(function in U.PR
Called by: EDBOOL()	(function in U.PR
Called by: EDCHECK()	(function in U.PR
Called by: WCHOICE	(procedure in U.PR
Called by: GETDISLOOKUPLIST	(procedure in U.PR
Called by: EDLIST	(procedure in U.PR
Called by: EVALID	(procedure in U.PR
Called by: EDITVDIAG	(procedure in U.PR
Called by: WPGETPATLIST	(procedure in U.PR
Called by: SEARCH	(procedure in U.PR
Called by: SFENCOUNT	(procedure in U.PR
Called by: SFENCLIST	(procedure in U.PR
Called by: SFGETPATLIST	(procedure in U.PR
Called by: Q9POPFLLOY	(procedure in CAMD.MPR
Calls: SETHelp	(procedure in U.PR
Contains: SETHelp	(Params: none)
Called by: PUSHHELP	(procedure in U.PR
Called by: POPHELP	(procedure in U.PR
Contains: OLMR	(Params: none)
Called by: INITHELP	(procedure in U.PR
Contains: INITHELP	(Params: none)
Called by: USERINIT()	(function in U.PR
Calls: OLMR	(procedure in U.PR
Contains: AREACOUNT()	(Params: none)
Called by: GETDIAGAREA	(procedure in DEMO.PR
Contains: AREANAMES()	(Params: MAREA, MNAME)
Called by: GETDIAGAREA	(procedure in DEMO.PR
Contains: GETEXAREA()	(Params: MAREA)
Called by: M RESUME	(procedure in DEMO.PR
Called by: EDITCOMPL	(procedure in U.PR
Contains: GETRULEBASE()	(Params: MAREA, CTHRESHOLD, CTHRESHPRO, CTHRESHLIK, NRULES)
Called by: LODRULE	(procedure in DEMO.PR
Contains: GETCOLORS	(Params: COLORSET)
Called by: USERINIT()	(function in U.PR
Contains: PUTDIAGNOS()	(Params: MENCOUNTID, MDIAG, MCONF)
Called by: M_ENCSAV	(procedure in DEMO.PR
Calls: OPENDIAG	(procedure in U.PR
Contains: GETDIAGNOS()	(Params: MENCOUNTID)
Called by: LODENC	(procedure in DEMO.PR
Calls: OPENDIAG	(procedure in U.PR
Calls: ADDDIAGNOS	(procedure in DEMO.PR
Contains: OPENDIAG	(Params: none)
Called by: PUTDIAGNOS()	(function in U.PR
Called by: GETDIAGNOS()	(function in U.PR
Contains: OPENDICT	(Params: none)
Called by: OPENFILES()	(function in U.PR
Contains: CLOSEDICT	(Params: none)

Called by: FLUSHFILES()	(function in U.PRG)
Contains: DICTCOUNT()	(Params: none)
Called by: INISYMPOM()	(function in DEMO.PRG)
Contains: DICTQ()	(Params: MID, MASK, MQ, MNAME, MPROMPT)
Called by: LOOKUPQ	(procedure in DEMO.PRG)
Called by: LOOKUPNAM	(procedure in DEMO.PRG)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Called by: PUTSYMPOM()	(function in U.PRG)
Called by: GETSYMPOM()	(function in U.PRG)
Contains: DICTQV()	(Params: MID, MHI, MLO, MWIDTH, MDEC, MUNITS)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Contains: DICTECOUNT()	(Params: MID)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Contains: DICTQE()	(Params: MID, NAMES, MATTRIB)
Called by: EDITSYMP	(procedure in DEMO.PRG)
Contains: DICTORD	(Params: MID, MENUM)
Called by: PUTSYMPOM()	(function in U.PRG)
Contains: DICTENUM	(Params: MID, MORD)
Called by: GETSYMPOM()	(function in U.PRG)
Contains: DICTREPORT()	(Params: MID, MENUM)
Called by: STRNATURAL	(procedure in DEMO.PRG)
Called by: SFSYMP	(procedure in DEMO.PRG)
Contains: DICTQID	(Params: MNAME)
Contains: DICTQNAME()	(Params: MNAME)
Called by: ADDHISTORY	(procedure in DEMO.PRG)
Contains: OPENENCNT	(Params: none)
Called by: OPENFILES()	(function in U.PRG)
Contains: FLUSHENCNT	(Params: none)
Called by: FLUSHFILES()	(function in U.PRG)
Contains: NEWENCNT()	(Params: MENCOUNTID, MPATIENTID, MDATEENC, MTIMEENC, MPROVIDER, MSTATION, MDEPT, MAREA, MDIAGNOSIS, MTREATMENT, MSTATE)
Called by: M_ENCSAV	(procedure in DEMO.PRG)
Contains: ENCID	(Params: MPATIENTID, MDATE, MTIME)
Contains: PUTENCNT()	(Params: MENCOUNTID, MPATIENT, MDATEENC, MTIMEENC, MPROVIDER, MSTATION, MDEPT, MAREA, MDIAGNOSIS, MTREATMENT, MSTATE)
Called by: M_ENCSAV	(procedure in DEMO.PRG)
Contains: ENCGETINFO()	(Params: MENCOUNTID, MPATIENTID, MDATEENC, MTIMEENC, MPROVIDER, MSTATION, MDEPT, MAREA, MDIAGNOSIS, MTREATMENT, MSTATE, MREPORT)
Called by: LODENC	(procedure in DEMO.PRG)
Contains: ENCCOUNT()	(Params: none)
Called by: GETENCNT	(procedure in DEMO.PRG)
Called by: SFGETENC	(procedure in U.PRG)
Contains: ENCNames()	(Params: NAMES, IDS, PATIENTS, MPATIENT, MDATE)
Called by: GETENCNT	(procedure in DEMO.PRG)
Calls: PATSSN()	(function in U.PRG)
Contains: DISEASEGET	(Params: MDISEASE)
Called by: GETDISLIST()	(function in U.PRG)
Called by: GETDISLOOKUPLIST	(procedure in U.PRG)
Called by: EDITVDIAG	(procedure in U.PRG)
Contains: DISEASECNT()	(Params: none)
Called by: INIDIAGNOS()	(function in DEMO.PRG)
Called by: ASKDIAG	(procedure in DEMO.PRG)
Called by: M_LOOKUP	(procedure in DEMO.PRG)

Contains: DISNAMES()	(Params: MDISEASES, MAREA)
Called by: ASKDIAG	(procedure in DEMO.PRG)
Called by: M_LOOKUP	(procedure in DEMO.PRG)
Contains: DISEASEPUT	(Params: MDISEASE, MHELP)
Contains: DISEASENAM()	(Params: MID, MNAME)
Called by: BATCHTEST()	(function in DEMO.PRG)
Called by: M_RESUME	(procedure in DEMO.PRG)
Called by: M_DIAG	(procedure in DEMO.PRG)
Called by: STRDIAG	(procedure in DEMO.PRG)
Called by: EDITDIAG	(procedure in U.PRG)
Contains: DISEASEID()	(Params: DNAME, DID)
Called by: M_DIAG	(procedure in DEMO.PRG)
Contains: OPENFILES()	(Params: TESTING)
Called by: DEMO.PRG	
Called by: M_PAT	(procedure in DEMO.PRG)
Called by: M_SF600	(procedure in DEMO.PRG)
Called by: M_NEWENC	(procedure in DEMO.PRG)
Called by: M_TRAINING	(procedure in DEMO.PRG)
Calls: POPUPSHOW()	(function in U.PRG)
Calls: OPENPAT	(procedure in U.PRG)
Calls: OPENENCNT	(procedure in U.PRG)
Calls: OPENDICT	(procedure in U.PRG)
Calls: OPENRULE	(procedure in U.PRG)
Calls: POPUPHIDE()	(function in U.PRG)
Contains: FLUSHFILES()	(Params: none)
Called by: M_PAT	(procedure in DEMO.PRG)
Called by: M_SF600	(procedure in DEMO.PRG)
Called by: M_NEWENC	(procedure in DEMO.PRG)
Called by: M_TRAINING	(procedure in DEMO.PRG)
Calls: FLUSHPAT	(procedure in U.PRG)
Calls: FLUSHENCNT	(procedure in U.PRG)
Calls: CLOSEDICT	(procedure in U.PRG)
Calls: CLOSERULE	(procedure in U.PRG)
Contains: CLOSEFILES	(Params: none)
Called by: BACKUP.SPR	
Called by: RESTORE.SPR	
Called by: REINDEX	(procedure in U.PRG)
Contains: OPENPAT	(Params: none)
Called by: OPENFILES()	(function in U.PRG)
Calls: FILEFIND	(procedure in U.PRG)
Calls: ERRHAND	(procedure in U.PRG)
Calls: OPENSAMS	(procedure in U.PRG)
Contains: FLUSHPAT	(Params: none)
Called by: FLUSHFILES()	(function in U.PRG)
Contains: PATSSN()	(Params: MID)
Called by: ENCOUNT	(procedure in DEMO.PRG)
Called by: GETENCNT	(procedure in DEMO.PRG)
Called by: ENCNames()	(function in U.PRG)
Called by: SFENCOUNT	(procedure in U.PRG)
Called by: SFENCLIST	(procedure in U.PRG)
Called by: SFENCNames	(procedure in U.PRG)
Contains: PATGETINFO()	(Params: MPATIENTID, MSOCSEC, MLASTNAME, MFIRSTNAME, MDATEBIRTH, MSEX, MRATERANK)
Called by: M_PATGET	(procedure in DEMO.PRG)
Contains: PATPUTINFO()	(Params: MPATIENTID, MSOCSEC, MLASTNAME, MFIRSTNAME, MDATEBIRTH, MSEX, MRATERANK)
Called by: M_PATPUT	(procedure in DEMO.PRG)
Contains: NEWPATIENT()	(Params: MPATIENTID, MSOCSEC, MLASTNAME, MFIRSTNAME, MDATEBIRTH, MSEX, MRATERANK)

Called by: M PATADD	(procedure in DEMO.PRG)
Contains: DELPATIENT	(Params: MPATIENTID)
Contains: ISVALIDPAT	(Params: MPATIENTID)
Contains: ISVALIDSSN()	(Params: MSOCSEC)
Called by: M PATPUT	(procedure in DEMO.PRG)
Called by: M PATADD	(procedure in DEMO.PRG)
Contains: PATCOUNT()	(Params: none)
Called by: GETPATIENT	(procedure in DEMO.PRG)
Contains: PATNAMES()	(Params: NAMES, DELIM, MKEY)
Called by: GETPATIENT	(procedure in DEMO.PRG)
Calls: STRNAME	(procedure in U.PRG)
Contains: STRNAME	(Params: MSOCSEC, MLASTNAM, MFIRSTNAME, DELIM)
Called by: PATNAMES()	(function in U.PRG)
Contains: OPENRULE	(Params: none)
Called by: OPENFILES()	(function in U.PRG)
Contains: CLOSERULE	(Params: none)
Called by: FLUSHFILES()	(function in U.PRG)
Contains: GETRULE	(Params: RULEID)
Contains: PUTSYMPTOM()	(Params: MENCOUNTID, MCOND, MVAL)
Called by: M ENCSAV	(procedure in DEMO.PRG)
Calls: OPENSYP	(procedure in U.PRG)
Calls: SPLIT()	(function in U.PRG)
Calls: DICTQ()	(function in U.PRG)
Calls: DICTORD	(procedure in U.PRG)
Contains: SPLIT()	(Params: MQ)
Called by: STRNATURAL	(procedure in DEMO.PRG)
Called by: PUTSYMPTOM()	(function in U.PRG)
Contains: GETSYMPTOM()	(Params: MENCOUNTID)
Called by: LODENC	(procedure in DEMO.PRG)
Calls: OPENSYP	(procedure in U.PRG)
Calls: DICTQ()	(function in U.PRG)
Calls: DICTENUM	(procedure in U.PRG)
Calls: ADDSYMPTOM	(procedure in DEMO.PRG)
Contains: OPENSYP	(Params: none)
Called by: PUTSYMPTOM()	(function in U.PRG)
Called by: GETSYMPTOM()	(function in U.PRG)
Contains: GETSTATION()	(Params: MSTATION, MDEPT)
Called by: INIENCOUNT()	(function in DEMO.PRG)
Contains: GETOPTS	(Params: IS DEBUG, IS CONF, IS RULE, IS NOVICE, IS_EDIT, MPRIVATE, MDISCLAIM)
Called by: SYSINIT()	(function in DEMO.PRG)
Contains: NEXTPAT	(Params: INC)
Called by: ADDPAT()	(function in U.PRG)
Contains: ADDPAT()	(Params: none)
Called by: M PATADD	(procedure in DEMO.PRG)
Calls: NEXTPAT	(procedure in U.PRG)
Contains: NEXTENCNT()	(Params: INC)
Called by: M ENCNEW	(procedure in DEMO.PRG)
Called by: ADDENCNT()	(function in U.PRG)
Contains: ADDENCNT()	(Params: none)
Called by: M ENCSAV	(procedure in DEMO.PRG)
Calls: NEXTENCNT()	(function in U.PRG)
Contains: NENCNT	(Params: none)
Contains: NEXTUSER	(Params: INC)
Called by: ADDUSER	(procedure in U.PRG)
Contains: ADDUSER	(Params: none)
Calls: NEXTUSER	(procedure in U.PRG)
Contains: BROWSEPAT	(Params: MSOC, MLAST, MFIRST, MMID)
Called by: Q8DOYAR6U()	(function in WPL.PRG)
Calls: ERRMSG.PRG	

Calls: WPGETPATLIST	(procedure in U.PRG)
Contains: WPGETPATLIST	(Params: MLIST)
Called by: BROWSEPAT	(procedure in U.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WP3.SPR	
Calls: POPHELP	(procedure in U.PRG)
Calls: DP.PRG	
Calls: GETPAT	(procedure in U.PRG)
Calls: WP2.PRG	
Contains: SEARCH	(Params: MSOC, MLAST, MFIRST)
Called by: Q8DOYAR6U()	(function in WPl.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Calls: GETCAMPAT	(procedure in U.PRG)
Calls: GETSAMSPAT	(procedure in U.PRG)
Calls: DP.PRG	
Calls: GETSAMS	(procedure in U.PRG)
Calls: POPUPHIDE()	(function in U.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WPATS.PRG	
Calls: POPHELP	(procedure in U.PRG)
Calls: WP2.PRG	
Contains: MORESEARCH	(Params: MITEN, CHOICE)
Called by: Q7IOL5TJ5()	(function in WPATS.PRG)
Calls: DP.PRG	
Calls: POPMESSAGE()	(function in U.PRG)
Calls: GETSAMSPAT	(procedure in U.PRG)
Calls: POPUPHIDE()	(function in U.PRG)
Contains: GETCAMPAT	(Params: MSSN, MLAST, MFIRST)
Called by: SEARCH	(procedure in U.PRG)
Called by: SFGETPAT	(procedure in U.PRG)
Contains: GETSAMSPAT	(Params: MSSN, MLAST, MFIRST)
Called by: SEARCH	(procedure in U.PRG)
Called by: MORESEARCH	(procedure in U.PRG)
Contains: GETPATDATA	(Params: MITEN)
Called by: RESULT	(procedure in WPATS.PRG)
Called by: PATEDIT	(procedure in WPATS.PRG)
Calls: DP.PRG	
Calls: GETPATTEMP	(procedure in U.PRG)
Calls: GETSAMS	(procedure in U.PRG)
Contains: GETSAMS	(Params: MREC)
Called by: SEARCH	(procedure in U.PRG)
Called by: GETPATDATA	(procedure in U.PRG)
Calls: SAMSDATA	(procedure in U.PRG)
Contains: SAMSDATA	(Params: none)
Called by: GETSAMS	(procedure in U.PRG)
Calls: DP.PRG	
Calls: COMBINED	(procedure in U.PRG)
Contains: GETPAT	(Params: MREC)
Called by: WPGETPATLIST	(procedure in U.PRG)
Calls: PATDATA	(procedure in U.PRG)
Contains: GETPATTEMP	(Params: MREC)
Called by: GETPATDATA	(procedure in U.PRG)
Called by: SFGETPATLIST	(procedure in U.PRG)
Calls: PATDATA	(procedure in U.PRG)
Contains: PATDATA	(Params: none)
Called by: GETPAT	(procedure in U.PRG)
Called by: GETPATTEMP	(procedure in U.PRG)
Calls: COMBINED	(procedure in U.PRG)
Contains: COMBINED	(Params: MT1, MT2, MT3, MT4, MT5, MT6, MT7, MT8, MT9)
Called by: SAMSDATA	(procedure in U.PRG)
Called by: PATDATA	(procedure in U.PRG)

Called by: SAVREC	(procedure in U.PRG)
Called by: Q8DOTWDV1()	(function in WP2.PRG)
Contains: SAVREC	(Params: MFLAG, MITEM)
Called by: Q8DOTWDV1()	(function in WP2.PRG)
Called by: RESULT	(procedure in WPATS.PRG)
Calls: DP.PRG	
Calls: COMBINED	(procedure in U.PRG)
Contains: OPENSAMS	(Params: none)
Called by: OPENPAT	(procedure in U.PRG)
Calls: SETPATH	(procedure in U.PRG)
Calls: FILEFIND	(procedure in U.PRG)
Contains: CASECONVERT	(Params: MSTR, MCASE)
Called by: SFSYMP	(procedure in DEMO.PRG)
Contains: SFENCOUNT	(Params: none)
Called by: M_SF600	(procedure in DEMO.PRG)
Calls: M_PATGET	(procedure in DEMO.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WP4.SPR	
Calls: POPHELP	(procedure in U.PRG)
Calls: SFGETPAT	(procedure in U.PRG)
Calls: SFGETENC	(procedure in U.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Calls: PATSSN()	(function in U.PRG)
Calls: LODENC	(procedure in DEMO.PRG)
Contains: SFGETENC	(Params: PAR1, PAR2)
Called by: SFENCOUNT	(procedure in U.PRG)
Calls: ENCCOUNT()	(function in U.PRG)
Calls: SFENCNAMES	(procedure in U.PRG)
Calls: SFENCLIST	(procedure in U.PRG)
Calls: POPMESSAGE()	(function in U.PRG)
Contains: SFENCLIST	(Params: MLIST, MPAT, MDATE)
Called by: SFGETENC	(procedure in U.PRG)
Calls: PATSSN()	(function in U.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WP5.SPR	
Calls: POPHELP	(procedure in U.PRG)
Contains: SFGETPAT	(Params: MSOC, MLASTT, MFIRSTT)
Called by: SFENCOUNT	(procedure in U.PRG)
Calls: GETCAMPAT	(procedure in U.PRG)
Calls: SFGETPATLIST	(procedure in U.PRG)
Calls: DP.PRG	
Contains: SFENCNAMES	(Params: NAMES, IDS, PATIENTS, MPATIENT, MDATE)
Called by: SFGETENC	(procedure in U.PRG)
Calls: PATSSN()	(function in U.PRG)
Contains: SFGETPATLIST	(Params: MLIST)
Called by: SFGETPAT	(procedure in U.PRG)
Calls: PUSHHELP	(procedure in U.PRG)
Calls: WP8.SPR	
Calls: POPHELP	
Calls: DP.PRG	(procedure in U.PRG)
Calls: GETPATTEMP	
Contains: SFPRINT	(procedure in U.PRG)
Called by: Q7IOLI7F7()	(Params: MPRINTFILE, MSFSTR)
Contains: SETPATH	(function in WP7.SPR)
Called by: SYSINIT()	(Params: NEWPATH)
Called by: OPENSAMS	(function in DEMO.PRG)
Called by: PKUNZIP	(procedure in U.PRG)
Contains: ERRHAND	(procedure in RESTORE.SPR)
Called by: OPENPAT	(Params: ERRMSG, QUITFLAG)
Calls: ERRMSG.PRG	(procedure in U.PRG)
Contains: FILEFIND	(Params: MFILENAME)

Called by: KEYLOG.PRG
 Called by: OPENPAT (procedure in U.PRG)
 Called by: OPENSAMS (procedure in U.PRG)
 Calls: DP.PRG
 Contains: REINDEX (Params: none)
 Called by: CAMD.MPR
 Called by: CAMDTR.MPR
 Calls: POPUPSHOW() (function in U.PRG)
 Calls: CLOSEFILES (procedure in U.PRG)
 Calls: POPUPHIDE() (function in U.PRG)

W12.SPR -- Last updated: 10/13/92 at 14:17

Contains: Q9VOUMCRG() (Params: none)
 Called by: W12.SPR
 Calls: W12C.SPR
 Contains: Q9VOUMD2M() (Params: none)
 Called by: W12.SPR
 Contains: Q9VOUMDDI() (Params: none)
 Called by: W12.SPR
 Contains: Q9VOUMDJJ() (Params: none)
 Called by: W12.SPR
 Calls: W12A.SPR
 Contains: Q9VOUMDQF() (Params: none)
 Called by: W12.SPR
 Contains: Q9VOUMDWG() (Params: none)
 Called by: W12.SPR
 Calls: W12B.SPR
 Contains: Q9VOUME80() (Params: none)
 Called by: W12.SPR

W2.SPR -- Last updated: 07/20/92 at 10:01

Contains: Q7IOLH8OT() (Params: none)
 Called by: W2.SPR
 Called by: Q2.PRG
 Contains: Q7IOLH8WD() (Params: none)
 Called by: W2.SPR
 Called by: Q2.PRG
 Calls: PRINTENC (procedure in U.PRG)
 Contains: Q7IOLH94Q() (Params: none)
 Called by: W2.SPR
 Called by: Q2.PRG

WP1.PRG -- Last updated: 08/20/92 at 16:00

Contains: Q8DOYAR6U() (Params: none)
 Called by: WP1.PRG
 Calls: SEARCH (procedure in U.PRG)
 Calls: BROWSEPAT (procedure in U.PRG)

WP2.PRG -- Last updated: 10/09/92 at 14:13

Contains: Q8DOTWCZ4() (Params: none)
 Called by: WP2.PRG
 Calls: POPMESSAGE() (function in U.PRG)
 Contains: Q8DOTWDKT() (Params: none)
 Called by: WP2.PRG

Contains: Q8DOTWDV1() (Params: none)
 Called By: WP2.PRG
 Calls: POPMESSAGE() (function in U.PRG)
 Calls: COMBINED (procedure in U.PRG)
 Calls: SAVREC (procedure in U.PR

WPATS.PRG -- Last updated: 07/31/92 at 14:41

Contains: RESULT (Params: MITEM)
 Called by: Q7IOL5TJ5() (function in WPATS.PRG)
 Calls: DP.PRG
 Calls: GETPATDATA (procedure in U.PRG)
 Calls: SAVREC (procedure in U.PRG)
 Contains: PATEDIT (Params: MITEM)
 Called by: Q7IOL5TJ5() (function in WPATS.PRG)
 Calls: DP.PRG
 Calls: GETPATDATA (procedure in U.PRG)
 Calls: WP2.PRG
 Contains: PATNEW (Params: none)
 Called by: Q7IOL5TJ5() (function in WPATS.PRG)
 Calls: WP2.PRG
 Contains: Q7IOL5TB2() (Params: none)
 Called By: WPATS.PRG
 Contains: Q7IOL5TJ5() (Params: none)
 Called By: WPATS.PRG
 Calls: RESULT (procedure in WPATS.PRG)
 Calls: PATEDIT (procedure in WPATS.PRG)
 Calls: PATNEW (procedure in WPATS.PRG)
 Calls: MORESEARCH (procedure in U.PRG)
 Contains: Q7IOL5TXD() (Params: none)
 Called By: WPATS.PRG

WP3.SPR -- Last updated: 08/03/92 at 16:06

Contains: Q7W0YICA9() (Params: none)
 Called By: WP3.SPR

WP7.SPR -- Last updated: 07/20/92 at 10:02

Contains: Q7IOLI77M() (Params: none)
 Called By: WP7.SPR
 Contains: Q7IOLI7F7() (Params: none)
 Called By: WP7.SPR
 Calls: SFPRINT (procedure in U.PRG)
 Contains: Q7IOLI7OJ() (Params: none)
 Called By: WP7.SPR

SECHECK.PRG -- Last updated: 09/03/92 at 12:01

Contains: SYSWARN() (Params: MSYSWAR)
 Called by: SECHECK.PRG
 Contains: GETSYSCODE() (Params: NWARN, NPRIVATE, MDIS, MPASS)
 Called by: SECHECK.PRG
 Calls: FILEMISSING (procedure in SECHECK.PRG)
 Contains: FILEMISSING (Params: none)
 Called by: GETSYSCODE() (function in SECHECK.PRG)
 Calls: ERRMSG.PRG
 Contains: SYSCLAIM() (Params: M.TXT)

Called by: SECHECK.PRG

W12A.SPR -- Last updated: 07/06/92 at 10:46

Contains: Q740N3U9Y() (Params: none)
Called By: W12A.SPR
Contains: Q740N3UHF() (Params: none)
Called By: W12A.SPR
Calls: W12A.SPR

W12B.SPR -- Last updated: 07/06/92 at 10:46

Contains: Q740N3XWA() (Params: none)
Called By: W12B.SPR
Contains: Q740N3Y5O() (Params: none)
Called By: W12B.SPR
Calls: W12B.SPR

W12C.SPR -- Last updated: 07/06/92 at 10:47

Contains: Q740N41W1() (Params: none)
Called By: W12C.SPR
Calls: W12C.SPR
Contains: Q740N423H() (Params: none)
Called By: W12C.SPR

W4.SPR -- Last updated: 07/28/92 at 16:30

Contains: Q7Q0ZD5UR() (Params: none)
Called By: W4.SPR
Contains: Q7Q0ZD65J() (Params: none)
Called By: W4.SPR
Calls: M_PATLIST (procedure in DEMO.PRG)

BACKUP.SPR -- Last updated: 10/09/92 at 13:00

Contains: NEWDRIVEPOP (Params: none)
Called by: BACKUP.SPR
Called by: RESTORE.SPR
Contains: NEWPATHPOP (Params: none)
Called by: BACKUP.SPR
Called by: RESTORE.SPR
Called by: _Q9R0RVE7X() (function in BACKUP.SPR)
Called by: _Q9R0RVEMQ() (function in BACKUP.SPR)
Called by: _Q9R0RVF7K() (function in BACKUP.SPR)
Called by: _Q9ROUD7U5() (function in RESTORE.SPR)
Called by: _Q9ROUD888() (function in RESTORE.SPR)
Called by: _Q9ROUD8P2() (function in RESTORE.SPR)
Contains: NEWFILEPOP (Params: none)
Called by: BACKUP.SPR
Called by: RESTORE.SPR
Called by: _Q9R0RVE7X() (function in BACKUP.SPR)
Called by: _Q9R0RVEMQ() (function in BACKUP.SPR)
Called by: _Q9R0RVF7K() (function in BACKUP.SPR)
Called by: _Q9ROUD7U5() (function in RESTORE.SPR)
Called by: _Q9ROUD888() (function in RESTORE.SPR)

Called by: Q9ROUD8P2()	(function in RESTORE.SPR)
Contains: PATHSTRING	(Params: none)
Called by: Q9RORVEMQ()	(function in BACKUP.SPR)
Called by: PKZIP	(procedure in BACKUP.SPR)
Called by: Q9ROUD888()	(function in RESTORE.SPR)
Called by: PKUNZIP	(procedure in RESTORE.SPR)
Contains: PKZIP	(Params: none)
Called by: Q9RORVEV4()	(function in BACKUP.SPR)
Calls: PATHSTRING	(procedure in BACKUP.SPR)
Contains: Q9RORVDY4()	(Params: none)
Called by: BACKJP.SPR	
Contains: Q9RORVE7X()	(Params: none)
Called by: BACKUP.SPR	
Calls: YESNO.PRG	
Calls: NEWPATHPOP	(procedure in BACKUP.SPR)
Calls: NEWFILEPOP	(procedure in BACKUP.SPR)
Contains: Q9RORVEMQ()	(Params: none)
Called by: BACKUP.SPR	
Calls: PATHSTRING	(procedure in BACKUP.SPR)
Calls: NEWPATHPOP	(procedure in BACKUP.SPR)
Calls: NEWFILEPOP	(procedure in BACKUP.SPR)
Contains: Q9RORVEV4()	(Params: none)
Called by: BACKUP.SPR	
Calls: YESNO.PRG	
Calls: PKZIP	(procedure in BACKUP.SPR)
Contains: Q9RORVF7K()	(Params: none)
Called by: BACKUP.SPR	
Calls: NEWPATHPOP	(procedure in BACKUP.SPR)
Calls: NEWFILEPOP	(procedure in BACKUP.SPR)

RESTORE.SPR -- Last updated: 10/09/92 at 14:10

Contains: NEWDRIVEPOP	(Params: none)
Called by: BACKUP.SPR	
Called by: RESTORE.SPR	
Contains: NEWPATHPOP	(Params: none)
Called by: BACKUP.SPR	
Called by: RESTORE.SPR	
Called by: Q9RORVE7X()	(function in BACKUP.SPR)
Called by: Q9RORVEMQ()	(function in BACKUP.SPR)
Called by: Q9RORVF7K()	(function in BACKUP.SPR)
Called by: Q9ROUD7U5()	(function in RESTORE.SPR)
Called by: Q9ROUD888()	(function in RESTORE.SPR)
Called by: Q9ROUD8P2()	(function in RESTORE.SPR)
Contains: NEWFILEPOP	(Params: none)
Called by: BACKUP.SPR	
Called by: RESTORE.SPR	
Called by: Q9RORVE7X()	(function in BACKUP.SPR)
Called by: Q9RORVEMQ()	(function in BACKUP.SPR)
Called by: Q9RORVF7K()	(function in BACKUP.SPR)
Called by: Q9ROUD7U5()	(function in RESTORE.SPR)
Called by: Q9ROUD888()	(function in RESTORE.SPR)
Called by: Q9ROUD8P2()	(function in RESTORE.SPR)
Contains: PATHSTRING	(Params: none)
Called by: Q9RORVEMQ()	(function in BACKUP.SPR)
Called by: PKZIP	(procedure in BACKUP.SPR)
Called by: Q9ROUD888()	(function in RESTORE.SPR)
Called by: PKUNZIP	(procedure in RESTORE.SPR)
Contains: PKUNZIP	(Params: none)
Called by: Q9ROUD8G7()	(function in RESTORE.SPR)
Calls: SETPATH	(procedure in U.PRG)

Calls: PATHSTRING (procedure in BACKUP.SPR)
 Contains: Q9ROUD7NA() (Params: none)
 Called By: RESTORE.SPR
 Contains: Q9ROUD7U5() (Params: none)
 Called By: RESTORE.SPR
 Calls: YESNO.PRG
 Calls: NEWPATHPOP (procedure in BACKUP.SPR)
 Calls: NEWFILEPOP (procedure in BACKUP.SPR)
 Contains: Q9ROUD888() (Params: none)
 Called By: RESTORE.SPR
 Calls: PATHSTRING (procedure in BACKUP.SPR)
 Calls: NEWPATHPOP (procedure in BACKUP.SPR)
 Calls: NEWFILEPOP (procedure in BACKUP.SPR)
 Contains: Q9ROUD8G7() (Params: none)
 Called By: RESTORE.SPR
 Calls: PKUNZIP (procedure in RESTORE.SPR)
 Contains: Q9ROUD8P2() (Params: none)
 Called By: RESTORE.SPR
 Calls: NEWPATHPOP (procedure in BACKUP.SPR)
 Calls: NEWFILEPOP (procedure in BACKUP.SPR)
 Contains: Q9ROUD8ZO() (Params: none)
 Called By: RESTORE.SPR

W7A.SPR -- Last updated: 08/03/92 at 16:06

Contains: Q7W0YIII2() (Params: none)
 Called By: W7A.SPR

QUESTION.PRG -- Last updated: 08/04/92 at 14:48

Contains: WRITE (Params: none)
 Called by: PRINTQUES() (function in QUESTION.PRG)
 Calls: OPENFILE (procedure in QUESTION.PRG)
 Contains: OPENFILE (Params: none)
 Called by: WRITE (procedure in QUESTION.PRG)
 Contains: PRINTQUES() (Params: MPRINTFILE)
 Called by: QUESTION.PRG
 Calls: WRITE (procedure in QUESTION.PRG)

Q2.PRG -- Last updated: 08/04/92 at 16:33

Contains: Q7I0LH8OT() (Params: none)
 Called By: W2.SPR
 Called by: Q2.PRG
 Contains: Q7I0LH8WD() (Params: none)
 Called By: W2.SPR
 Called by: Q2.PRG
 Calls: PRINTENC (procedure in U.PRG)
 Contains: Q7I0LH94Q() (Params: none)
 Called By: W2.SPR
 Called by: Q2.PRG

COLORSET.SPR -- Last updated: 10/07/92 at 11:52

Contains: Q9P0PFX2H() (Params: none)
 Called By: COLORSET.SPR

CAMD.MPR -- Last updated: 10/07/92 at 11:51

Contains: MHIT	(Params: PROG)
Contains: MEXIT	(Params: none)
Contains: Q9POPFL0Y	(Params: none)
Called By: CAMD.MPR	
Calls: PUSHHELP	(procedure in U.PRG)
Calls: PWDEDT.PRG	
Calls: POPHELP	(procedure in U.PRG)
Contains: Q9POPFLR8	(Params: none)
Called By: CAMD.MPR	
Calls: CAMDTR.MPR	
Calls: MHIT	(procedure in U.PRG)
Calls: CAMD.MPR	

CAMDTR.MPR -- Last updated: 09/28/92 at 14:22

Contains: MHIT	(Params: PROG)
Contains: MEXIT	(Params: none)

Section VIII. Program Source Code

66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65

```

132 @ 5,40 GET mpath ;
133 PICTURE "g" ;
134 FROM patharray ;
135 SIZE 3,18 ;
136 DEFAULT 1 ;
137 VALID q9drvemq() ;
138 COLOR SCHEME 5,6
139 @ 9,45 GET maction ;
140 PICTURE "g" ;
141 SIZE 1,8 ;
142 DEFAULT 1 ;
143 VALID q9drvemq4()
144 @ 2,1 GET mfile ;
145 PICTURE "g" ;
146 FROM filearray ;
147 SIZE 11,26 ;
148 DEFAULT 1 ;
149 VALID q9drv7k() ;
150 COLOR SCHEME 6
151 @ 14,1 SAY "Backup file name: "
152 @ 14,19 GET mfname ;
153 SIZE 1,39 ;
154 DEFAULT " " ;
155
156 -IF NOT WVISIBLE("w_backup")
157 ACTIVATE WINDOW w_backup
158 -ENDIF
159
160 READ CYCLE MODAL
161
162 RELEASE WINDOW w_backup
163
164 #REGION 0
165 -IF m.talkstat = "ON"
166 SET TALK ON
167 -ENDIF
168 -IF m.compstat = "ON"
169 SET COMPATIBLE ON
170 -ENDIF
171
172
173
174
175
176
177
178
179
180 #REGION 1
181 SET DEFAULT TO (m.olddrive + m.olddpath)
182 RETURN
183
184 *****
185 *****
186 *****
187 PROCEDURE newdrivepop
188 *****
189 * Create a popup with each of the legal drive names
190 * The popup will be based on an array of the drive names
191 PRIVATE oldddefault, olderror, drivename, ERROR
192
193 * We will change drives, so remember where we started
194 m.oldddefault = SET("DEFAULT")
195
196 * To test for legal drives this program SET DEFAULT TO each drive
197 * If no error occurs the drive name will be added to an array

```

```

198
199 * Create the error trap
200 m.olderror = ON( "ERROR" )
201 m.error = .F.
202 ON ERROR m.error = .T.
203
204 * Create the array of legal drive names
205 DECLARE drivearray[ 1 ]
206 drivearray[ 1 ] = ""
207
208 * Loop from A to Z
209 m.drivename = "A"
210 FOR i = 1 TO 26
211
212 * Try to switch to the drive
213 SET DEFAULT TO (m.drivename)
214
215 * If it worked
216 -IF NOT m.error
217
218 * Add the name to the last element in the array
219 drivearray[ ALEN( DriveArray ) ] = m.drivename + ";"
220
221 * Add another element at the end of the array
222 DECLARE drivearray[ ALEN( DriveArray ) + 1 ]
223 -ENDIF
224
225 * Change to the next letter in the alphabet
226 m.drivename = CHR( ASC( m.drivename ) + 1 )
227
228 * Reset the error trap
229 m.error = .F.
230 -NEXT
231
232 * If the first element is empty, no drives were found
233 -IF EMPTY( drivearray[ 1 ] )
234 SHOW GET mdrive disabled
235 -ELSE
236 * Drives were found so cut off the last empty element
237 * added to the array in the loop
238 DECLARE drivearray[ ALEN( DriveArray ) - 1 ]
239 -ENDIF
240
241 * Reset the error trap and return to home
242 ON ERROR &olderror
243 SET DEFAULT TO (m.oldddefault)
244
245 * Initialize the popup variable to the element in the
246 * drive array which contains the current drive
247 mdrive = ASCAN( drivearray, m.oldddefault )
248 RETURN
249
250 *****
251 PROCEDURE newpathpop
252 *****
253 * Create a popup with one bar for each subdirectory
254 * in the current path
255 PRIVATE dirstring, dircount
256
257 * Base the popup on an array with one element for
258 * each subdirectory in the current path
259
260 * Start the array with the current drive
261 DECLARE patharray[ 1 ]
262 patharray[ 1 ] = SET( "DEFAULT" )
263

```

BACKUP Cleanup Code

```

264 * Get the current path string
265 m.dirstring = CURDIR()
266
267 * If we are not in the root directory
268 IF LEN( m.dirstring ) > 1
269
270 * Start parsing the path string for each directory name
271 m.dircount = 1
272
273 * Continue as long as there is a pair of slashes
274 * Surrounding the next part of the string
275 DO WHILE AT( "\", m.dirstring, m.dircount ) <> 0 AND ;
276 AT( "\", m.dirstring, m.dircount + 1 ) <> 0
277
278 * Add another element at the end of the array
279 DECLARE m.array( m.dircount + 1 )
280
281 * Cut out the next set of characters between the slashes
282 m.firstchar = AT( "\", m.dirstring, m.dircount ) + 1
283
284 m.pathlength = AT( "\", m.dirstring, m.dircount + 1 ) ;
285 - m.firstchar
286
287 * And add them to the next array element
288 patharray( m.dircount + 1 ) = SUBSTR( m.dirstring, ;
289 m.firstchar, m.pathlength )
290
291 * Look for the next directory name in the path string
292 m.dircount = m.dircount + 1
293
294
295
296
297
298 * Point the popup variable at the last element in the array
299 mpath = ALEN( patharray )
300 RETURN
301
302 *****
303 PROCEDURE newfilepop
304 *****
305
306 * Create a popup with all of the file names and its subdirection in t
307 he current directory
308 * This will be based on an array as well
309
310 * Create an array with all the files matching the current wild card
311 * ADIR() creates an array with 5 columns.
312
313 PRIVATE startsort
314 * Fill an array with directory names only
315 =ADIR( dirarray, "\", "d")
316 SIZE = ALEN( dirarray, 1 )
317 IF dirarray( 1, 1 ) = "."
318 =ADEL( dirarray, 1 )
319 SIZE = SIZE - 1
320 DECLARE dirarray( size, 5 )
321
322 * We must be in the root directory "\"
323 * Add one more row to the directory array
324 SIZE = SIZE + 1
325 DECLARE dirarray( size, 5 )
326
327 * Push all the rows down by one
328 =AINS( dirarray, 1 )

```

```

329
330 * Fill in the first directory name in the array
331 * a bug in the popups makes it refuse to display a
332 * prompt of "\", use "\\" to make one appear
333 * even then the bar will automatically be non-selectable
334 dirarray( 1, 1 ) = "\\"
335
336 * Start the sort after the root name
337
338
339
340 IF ALEN( dirarray, 1 ) > 2
341
342 * Sort the array starting at the starting row
343 =ASORT( dirarray, ALEN( dirarray, 2, 1 ) )
344
345
346
347
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```

* Fill in the first directory name in the array
 * a bug in the popups makes it refuse to display a
 * prompt of "\", use "\\" to make one appear
 * even then the bar will automatically be non-selectable
 * which in this case is fine
 dirarray(1, 1) = "\\"
 * Start the sort after the root name
 ENDIF
 IF ALEN(dirarray, 1) > 2
 * Sort the array starting at the starting row
 =ASORT(dirarray, ALEN(dirarray, 2, 1))
 ENDIF
 FOR i = 1 TO ALEN(dirarray, 1)
 dirarray(i, 1) = "(" + dirarray(i, 1) + ")"
 ENDFOR
 IF ADIR(filearray, m.wildcard) = 0
 SIZE = ALEN(dirarray, 1)
 DECLARE filearray(size, 5)
 =ACOPY(dirarray, filearray)
 ELSE
 stop = ALEN(dirarray, 1)
 FOR i = 1 TO stop
 SIZE = ALEN(filearray, 1)
 DECLARE filearray(size + 1, 5)
 =AINS(filearray, 1)
 filearray(1, 1) = dirarray(ALEN(dirarray, 1), 1)
 IF ALEN(dirarray, 1) > 1
 IF ALEN(dirarray(ALEN(dirarray, 1) - 1, 5)
 ENDIF
 ENDFOR
 mfile = 1
 RETURN

 FUNCTION pathstring

 * Convert an array of subdirectories, such as PathArray,
 * into a legal path string for use with SET DEFAULT
 * Use the current value of the path popup as the
 * ending point on the path
 PRIVATE ppath
 * Start with the drive name
 m.ppath = patharray(1)
 * If the path popup is pointing to a subdirectory
 IF mpath > 1
 * Add all the subdirectories to the path string
 FOR i = 2 TO mpath
 m.ppath = m.ppath + "\" + patharray(i)
 NEXT
 ENDIF
 * End the path with one last slash for good luck
 m.ppath = m.ppath + "\"
 RETURN m.ppath

```

524 ELSE
525     pkzip = .f.
526 ENDIF
527 ENDIF
528 IF pkzip
529     DO pkzip
530 ENDIF
531 OTHERWISE
532 ENDCASE
533
534 *
535 *
536 *
537 *
538 *
539 *
540 *
541 *
542 *
543 *
544 *
545 *
546 *
547 *
548 FUNCTION q9r0rvf7k 22 mfile VALID
549 #REGION 1
550 mnewfile = filearray(mfile,1)
551 IF "% $ mnewfile
552     mnewpath = SUBSTR(mnewfile,2,LEN(mnewfile)-2)
553     SET DEFA TO (mnewpath)
554     DO newpathpop
555     DO newfilepop
556     SHOW GETS
557 ELSE
558     mfname = mnewfile
559     SHOW GETS
560 ENDIF
561 *: EOF: BACKUP.AC1
562

```

_q9r0rvf7k Function Origin: From Screen: Variable: Called By: Object Type: Snippet Number:	mfile VALID BACKUP, Record Number: 8 VALID Clause List 5
---	---


```

133 @ 4,0 SAY " " COLOR (colorvar)
134 -CASE SUBSTR(instring,curlet,1) = "r"
135 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
136 FROM startx,curlet TO startx + 5,curlet + 5 ;
137 NONE NOSHADOW
138 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
139 currenty = currenty + 6
140 @ 1,0 SAY " " COLOR W+/N
141 @ 1,3 SAY " " COLOR (colorvar)
142 @ 1,4 SAY " " COLOR (colorvar)
143 @ 2,0 SAY " " COLOR W+/N
144 @ 2,3 SAY " " COLOR (colorvar)
145 @ 3,0 SAY " " COLOR W+/N
146 @ 3,2 SAY " " COLOR W+/N
147 @ 4,0 SAY " " COLOR (colorvar)
148 -CASE SUBSTR(instring,curlet,1) = "o"
149 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
150 FROM startx,curlet TO startx + 5,curlet + 5 ;
151 NONE NOSHADOW
152 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
153 currenty = currenty + 7
154 @ 1,0 SAY " " COLOR W+/N
155 @ 1,2 SAY " " COLOR W+/N
156 @ 1,4 SAY " " COLOR W+/N
157 @ 2,0 SAY " " COLOR W+/N
158 @ 3,0 SAY " " COLOR W+/N
159 @ 3,2 SAY " " COLOR W+/N
160 @ 4,0 SAY " " COLOR (colorvar)
161 -CASE SUBSTR(instring,curlet,1) = "a"
162 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
163 FROM startx,curlet TO startx + 5,curlet + 6 ;
164 NONE NOSHADOW
165 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
166 currenty = currenty + 8
167 @ 1,0 SAY " " COLOR W+/N
168 @ 1,2 SAY " " COLOR W+/N
169 @ 1,4 SAY " " COLOR W+/N
170 @ 2,0 SAY " " COLOR W+/N
171 @ 3,0 SAY " " COLOR W+/N
172 @ 3,2 SAY " " COLOR W+/N
173 @ 4,0 SAY " " COLOR (colorvar)
174 -CASE SUBSTR(instring,curlet,1) = "i"
175 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
176 FROM startx,curlet TO startx + 5,curlet + 3 ;
177 NONE NOSHADOW
178 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
179 currenty = currenty + 4
180 @ 0,0 SAY " " COLOR W+/N
181 @ 0,1 SAY " " COLOR (colorvar)
182 @ 0,2 SAY " " COLOR (colorvar)
183 @ 1,0 SAY " " COLOR W+/N
184 @ 1,2 SAY " " COLOR (colorvar)
185 @ 2,0 SAY " " COLOR W+/N
186 @ 3,0 SAY " " COLOR W+/N
187 @ 3,2 SAY " " COLOR W+/N
188 @ 4,0 SAY " " COLOR (colorvar)
189 -CASE SUBSTR(instring,curlet,1) = "e"
190 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
191 FROM startx,curlet TO startx + 5,curlet + 3 ;
192 NONE NOSHADOW
193 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
194 currenty = currenty + 4
195 @ 0,0 SAY " " COLOR W+/N
196 @ 0,1 SAY " " COLOR (colorvar)
197 @ 0,2 SAY " " COLOR (colorvar)
198 @ 1,0 SAY " " COLOR W+/N
199 @ 1,2 SAY " " COLOR (colorvar)
200 @ 2,0 SAY " " COLOR W+/N
201 @ 3,0 SAY " " COLOR W+/N
202 @ 4,0 SAY " " COLOR (colorvar)
203 -CASE SUBSTR(instring,curlet,1) = "y"
204 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
205 FROM startx,curlet TO startx + 5,curlet + 5 ;
206 NONE NOSHADOW
207 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
208 currenty = currenty + 7
209 @ 1,0 SAY " " COLOR W+/N
210 @ 1,2 SAY " " COLOR W+/N
211 @ 1,4 SAY " " COLOR W+/N
212 @ 2,0 SAY " " COLOR W+/N
213 @ 3,0 SAY " " COLOR W+/N
214 @ 4,0 SAY " " COLOR (colorvar)
215 -CASE SUBSTR(instring,curlet,1) = "u"
216 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
217 FROM startx,curlet TO startx + 5,curlet + 6 ;
218 NONE NOSHADOW
219 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
220 currenty = currenty + 10
221 @ 1,0 SAY " " COLOR W+/N
222 @ 1,2 SAY " " COLOR W+/N
223 @ 1,4 SAY " " COLOR W+/N
224 @ 2,0 SAY " " COLOR W+/N
225 @ 3,0 SAY " " COLOR W+/N
226 @ 4,0 SAY " " COLOR (colorvar)
227 -CASE SUBSTR(instring,curlet,1) = "f"
228 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
229 FROM startx,curlet TO startx + 5,curlet + 6 ;
230 NONE NOSHADOW
231 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
232 currenty = currenty + 7
233 @ 0,0 SAY " " COLOR W+/N
234 @ 0,3 SAY " " COLOR W+/N
235 @ 0,5 SAY " " COLOR (colorvar)
236 @ 1,0 SAY " " COLOR W+/N
237 @ 1,3 SAY " " COLOR W+/N
238 @ 1,5 SAY " " COLOR W+/N
239 @ 2,0 SAY " " COLOR W+/N
240 @ 3,0 SAY " " COLOR W+/N
241 @ 4,0 SAY " " COLOR (colorvar)
242 -CASE SUBSTR(instring,curlet,1) = "p"
243 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
244 FROM startx,curlet TO startx + 5,curlet + 6 ;
245 NONE NOSHADOW
246 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
247 currenty = currenty + 7
248 @ 0,0 SAY " " COLOR W+/N
249 @ 0,3 SAY " " COLOR W+/N
250 @ 0,5 SAY " " COLOR (colorvar)
251 @ 1,0 SAY " " COLOR W+/N
252 @ 1,3 SAY " " COLOR W+/N
253 @ 1,5 SAY " " COLOR W+/N
254 @ 2,0 SAY " " COLOR W+/N
255 @ 3,0 SAY " " COLOR W+/N
256 @ 4,0 SAY " " COLOR (colorvar)
257 -CASE SUBSTR(instring,curlet,1) = "l"
258 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
259 FROM startx,curlet TO startx + 5,curlet + 3 ;
260 NONE NOSHADOW
261 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
262 currenty = currenty + 4
263 @ 0,0 SAY " " COLOR W+/N
264 @ 0,1 SAY " " COLOR (colorvar)
265 @ 0,2 SAY " " COLOR (colorvar)
266 @ 1,0 SAY " " COLOR W+/N
267 @ 1,2 SAY " " COLOR (colorvar)
268 @ 2,0 SAY " " COLOR W+/N
269 @ 3,0 SAY " " COLOR W+/N
270 @ 4,0 SAY " " COLOR (colorvar)

```

```

199 @ 3,0 SAY " " COLOR W+/N
200 @ 4,0 SAY " " COLOR (colorvar)
201 -CASE SUBSTR(instring,curlet,1) = "m"
202 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
203 FROM startx,curlet TO startx + 5,curlet + 5 ;
204 NONE NOSHADOW
205 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
206 currenty = currenty + 7
207 @ 1,0 SAY " " COLOR W+/N
208 @ 1,2 SAY " " COLOR W+/N
209 @ 1,4 SAY " " COLOR W+/N
210 @ 2,0 SAY " " COLOR W+/N
211 @ 3,0 SAY " " COLOR W+/N
212 @ 4,0 SAY " " COLOR (colorvar)
213 -CASE SUBSTR(instring,curlet,1) = "n"
214 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
215 FROM startx,curlet TO startx + 5,curlet + 6 ;
216 NONE NOSHADOW
217 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
218 currenty = currenty + 10
219 @ 1,0 SAY " " COLOR W+/N
220 @ 1,2 SAY " " COLOR W+/N
221 @ 1,4 SAY " " COLOR W+/N
222 @ 2,0 SAY " " COLOR W+/N
223 @ 3,0 SAY " " COLOR W+/N
224 @ 4,0 SAY " " COLOR (colorvar)
225 -CASE SUBSTR(instring,curlet,1) = "v"
226 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
227 FROM startx,curlet TO startx + 5,curlet + 6 ;
228 NONE NOSHADOW
229 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
230 currenty = currenty + 7
231 @ 0,0 SAY " " COLOR W+/N
232 @ 0,3 SAY " " COLOR W+/N
233 @ 0,5 SAY " " COLOR (colorvar)
234 @ 1,0 SAY " " COLOR W+/N
235 @ 1,3 SAY " " COLOR W+/N
236 @ 1,5 SAY " " COLOR W+/N
237 @ 2,0 SAY " " COLOR W+/N
238 @ 3,0 SAY " " COLOR W+/N
239 @ 4,0 SAY " " COLOR (colorvar)
240 -CASE SUBSTR(instring,curlet,1) = "g"
241 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
242 FROM startx,curlet TO startx + 5,curlet + 6 ;
243 NONE NOSHADOW
244 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
245 currenty = currenty + 7
246 @ 0,0 SAY " " COLOR W+/N
247 @ 0,3 SAY " " COLOR W+/N
248 @ 0,5 SAY " " COLOR (colorvar)
249 @ 1,0 SAY " " COLOR W+/N
250 @ 1,3 SAY " " COLOR W+/N
251 @ 1,5 SAY " " COLOR W+/N
252 @ 2,0 SAY " " COLOR W+/N
253 @ 3,0 SAY " " COLOR W+/N
254 @ 4,0 SAY " " COLOR (colorvar)
255 -CASE SUBSTR(instring,curlet,1) = "c"
256 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
257 FROM startx,curlet TO startx + 5,curlet + 3 ;
258 NONE NOSHADOW
259 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
260 currenty = currenty + 4
261 @ 0,0 SAY " " COLOR W+/N
262 @ 0,1 SAY " " COLOR (colorvar)
263 @ 0,2 SAY " " COLOR (colorvar)
264 @ 1,0 SAY " " COLOR W+/N
265 @ 1,2 SAY " " COLOR (colorvar)
266 @ 2,0 SAY " " COLOR W+/N
267 @ 3,0 SAY " " COLOR W+/N
268 @ 4,0 SAY " " COLOR (colorvar)

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@ 3,0 SAY " " = COLOR W+/N
@ 4,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "k"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 1 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
  curlet = curlet + 8
  @ 0,0 SAY " " = COLOR (colorvar)
  @ 0,2 SAY " " = COLOR (colorvar)
  @ 1,0 SAY " " = COLOR W+/N
  @ 1,5 SAY " " = COLOR (colorvar)
  @ 2,0 SAY " " = COLOR W+/N
  @ 2,4 SAY " " = COLOR (colorvar)
  @ 3,0 SAY " " = COLOR W+/N
  @ 3,3 SAY " "
  @ 4,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "u"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 6 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
  curlet = curlet + 7
  @ 1,0 SAY " " = COLOR (colorvar)
  @ 1,2 SAY " " = COLOR (colorvar)
  @ 1,3 SAY " " = COLOR (colorvar)
  @ 1,5 SAY " " = COLOR (colorvar)
  @ 2,0 SAY " " = COLOR W+/N
  @ 3,0 SAY " " = COLOR W+/N
  @ 3,2 SAY " " = COLOR W+/N
  @ 3,3 SAY " " = COLOR W+/N
  @ 3,4 SAY " " = COLOR W+/N
  @ 4,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "b"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 6 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
  curlet = curlet + 7
  @ 0,0 SAY " " = COLOR (colorvar)
  @ 0,2 SAY " " = COLOR (colorvar)
  @ 1,0 SAY " " = COLOR W+/N
  @ 1,4 SAY " " = COLOR W+/N
  @ 2,0 SAY " " = COLOR W+/N
  @ 2,3 SAY " " = COLOR (colorvar)
  @ 2,5 SAY " " = COLOR (colorvar)
  @ 3,0 SAY " " = COLOR W+/N
  @ 4,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "c"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 5 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))

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curlet = curlet + 6
@ 1,0 SAY " " = COLOR W+/N
@ 1,2 SAY " " = COLOR (colorvar)
@ 1,4 SAY " " = COLOR (colorvar)
@ 2,0 SAY " " = COLOR W+/N
@ 2,3 SAY " " = COLOR (colorvar)
@ 3,0 SAY " " = COLOR W+/N
@ 3,2 SAY " " = COLOR W+/N
@ 3,4 SAY " " = COLOR (colorvar)
@ 4,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "d"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 5 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
  curlet = curlet + 7
  @ 0,0 SAY " " = COLOR (colorvar)
  @ 0,5 SAY " " = COLOR (colorvar)
  @ 1,0 SAY " " = COLOR W+/N
  @ 1,2 SAY " " = COLOR W+/N
  @ 2,0 SAY " " = COLOR W+/N
  @ 2,2 SAY " " = COLOR (colorvar)
  @ 2,3 SAY " " = COLOR W+/N
  @ 3,0 SAY " " = COLOR (colorvar)
  @ 3,5 SAY " " = COLOR (colorvar)
  @ 4,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "q"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 5 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
  curlet = curlet + 7
  @ 1,0 SAY " " = COLOR W+/N
  @ 1,2 SAY " " = COLOR (colorvar)
  @ 1,3 SAY " " = COLOR (colorvar)
  @ 1,5 SAY " " = COLOR (colorvar)
  @ 2,0 SAY " " = COLOR W+/N
  @ 2,2 SAY " " = COLOR (colorvar)
  @ 2,3 SAY " " = COLOR W+/N
  @ 3,0 SAY " " = COLOR (colorvar)
  @ 3,5 SAY " " = COLOR (colorvar)
  @ 4,0 SAY " " = COLOR (colorvar)
  @ 4,3 SAY " " = COLOR W+/N
  @ 5,0 SAY " " = COLOR (colorvar)
--CASE SUBSTR(instring,curlet,1) = "g"
  DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
  FROM startx,curlet TO startx + 5,curlet + 6 ;
  NONE MOSHADOW
  ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
  curlet = curlet + 7
  @ 1,0 SAY " " = COLOR W+/N
  @ 1,2 SAY " " = COLOR W+/N
  @ 1,3 SAY " " = COLOR (colorvar)
  @ 1,5 SAY " " = COLOR (colorvar)

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529 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
530 current = current + 7
531 @ 1,0 SAY " " COLOR (colorvar)
532 @ 1,2 SAY " " COLOR (colorvar)
533 @ 1,3 SAY " " COLOR (colorvar)
534 @ 1,5 SAY " " COLOR (colorvar)
535
536 @ 2,0 SAY " " COLOR (colorvar)
537 @ 2,1 SAY " " COLOR W/N
538
539 @ 3,0 SAY " "
540 @ 3,3 SAY " " COLOR W/N
541
542 @ 4,0 SAY " " COLOR (colorvar)
543
544 CASE SUBSTR(INSTRING,curlet,1) = "M"
545 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
546 FROM startx,current TO startx + 5,current + 4 ;
547 NONE NOSHADOW
548 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
549 current = current + 6
550 @ 0,0 SAY " "
551 @ 0,4 SAY " " COLOR (colorvar)
552
553 @ 1,0 SAY " "
554 @ 1,3 SAY " " COLOR (colorvar)
555
556 @ 2,0 SAY " "
557 @ 2,2 SAY " " COLOR (colorvar)
558
559 @ 3,0 SAY " "
560 @ 3,1 SAY " " COLOR (colorvar)
561
562 @ 4,0 SAY " " COLOR (colorvar)
563
564 CASE SUBSTR(INSTRING,curlet,1) = "M"
565 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
566 FROM startx,current TO startx + 5,current + 6 ;
567 NONE NOSHADOW
568 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
569 current = current + 7
570 @ 1,0 SAY " " COLOR W/N
571 @ 1,5 SAY " " COLOR (colorvar)
572
573 @ 2,0 SAY " "
574 @ 2,3 SAY " " COLOR W/N
575 @ 2,5 SAY " " COLOR (colorvar)
576
577 @ 3,0 SAY " "
578 @ 3,4 SAY " " COLOR W/N
579
580 @ 4,0 SAY " " COLOR (colorvar)
581 startx = startx + 6
582 current = startx
583 CASE SUBSTR(INSTRING,curlet,1) = "A"
584 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
585 FROM startx,current TO startx + 5,current + 7 ;
586 NONE NOSHADOW
587 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
588 current = current + 9
589 @ 0,2 SAY " " COLOR W/N
590 @ 0,5 SAY " " COLOR (colorvar)
591
592 @ 1,1 SAY " " COLOR W/N
593 @ 1,6 SAY " " COLOR (colorvar)
594

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595
596 @ 2,0 SAY " "
597 @ 2,1 SAY " " COLOR W/N
598
599 @ 3,0 SAY " " COLOR W/N
600 @ 3,3 SAY " " COLOR (colorvar)
601 @ 3,5 SAY " " COLOR W/N
602
603 @ 4,0 SAY " " COLOR (colorvar)
604
605 CASE SUBSTR(INSTRING,curlet,1) = "M"
606 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
607 FROM startx,current TO startx + 5,current + 6 ;
608 NONE NOSHADOW
609 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
610 current = current + 8
611 @ 0,0 SAY " " COLOR W/N
612 @ 0,4 SAY " "
613
614 @ 1,0 SAY " " COLOR W/N
615 @ 1,3 SAY " " COLOR W/N
616 @ 1,5 SAY " " COLOR W/N
617
618 @ 2,0 SAY " " COLOR W/N
619 @ 2,3 SAY " " COLOR (colorvar)
620 @ 2,4 SAY " " COLOR W/N
621 @ 2,6 SAY " " COLOR (colorvar)
622
623 @ 3,0 SAY " " COLOR W/N
624 @ 3,3 SAY " "
625 @ 3,5 SAY " " COLOR W/N
626
627 @ 4,0 SAY " " COLOR (colorvar)
628
629 CASE SUBSTR(INSTRING,curlet,1) = "C"
630 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
631 FROM startx,current TO startx + 5,current + 8 ;
632 NONE NOSHADOW
633 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
634 current = current + 9
635 @ 0,0 SAY " "
636 @ 0,3 SAY " " COLOR W/N
637 @ 0,6 SAY " "
638
639 @ 1,0 SAY " " COLOR W/N
640 @ 1,3 SAY " " COLOR (colorvar)
641 @ 1,4 SAY " "
642 @ 1,7 SAY " " COLOR (colorvar)
643
644 @ 2,0 SAY " " COLOR W/N
645 @ 2,3 SAY " "
646 @ 3,0 SAY " " COLOR W/N
647 @ 3,6 SAY " " COLOR (colorvar)
648
649 @ 4,0 SAY " " COLOR (colorvar)
650
651 CASE SUBSTR(INSTRING,curlet,1) = "M"
652 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
653 FROM startx,current TO startx + 5,current + 8 ;
654 NONE NOSHADOW
655 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
656 current = current + 8
657 @ 0,0 SAY " " COLOR W/N
658 @ 0,4 SAY " "
659
660 @ 1,0 SAY " " COLOR W/N
661 @ 1,3 SAY " "
662 @ 1,6 SAY " " COLOR (colorvar)
663

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793	0 0,2 SAY " " COLOR (colorvar)	859	0 2,0 SAY " " COLOR W+/N
794	0 0,3 SAY " " COLOR W+/N	860	0 2,3 SAY " " COLOR W+/N
795	0 0,5 SAY " " COLOR (colorvar)	861	0 2,4 SAY " " COLOR W+/N
796	0 1,0 SAY " " COLOR W+/N	862	0 3,0 SAY " " COLOR W+/N
797	0 1,5 SAY " " COLOR (colorvar)	863	0 3,3 SAY " " COLOR W+/N
798	0 2,0 SAY " " COLOR W+/N	864	0 3,7 SAY " " COLOR W+/N
799	0 2,4 SAY " " COLOR W+/N	865	0 4,0 SAY " " COLOR (colorvar)
800	0 3,0 SAY " " COLOR W+/N	866	-CASE SUBSTR(INSTRING,CURLET,1) = "Q"
801	0 3,3 SAY " " COLOR (colorvar)	867	DEFINE WINDOW ("letter" + ALLTRIM(STR(CURLET))) ;
802	0 4,0 SAY " " COLOR (colorvar)	868	FROM STARTX,CURRENTY TO STARTX + 7,CURRENTY + 7 ;
803	0 0,0 SAY " " COLOR (colorvar)	869	NONE NOSHADON
804	0 0,2 SAY " " COLOR (colorvar)	870	ACTIVATE WINDOW ("letter" + ALLTRIM(STR(CURLET)))
805	0 0,5 SAY " " COLOR (colorvar)	871	CURRENTY = CURRENTY + 9
806	0 1,0 SAY " " COLOR W+/N	872	0 0,0 SAY " " COLOR W+/N
807	0 1,5 SAY " " COLOR (colorvar)	873	0 0,3 SAY " " COLOR W+/N
808	0 2,0 SAY " " COLOR W+/N	874	0 0,4 SAY " " COLOR W+/N
809	0 2,4 SAY " " COLOR W+/N	875	0 1,0 SAY " " COLOR W+/N
810	0 3,0 SAY " " COLOR W+/N	876	0 1,3 SAY " " COLOR (colorvar)
811	0 3,3 SAY " " COLOR (colorvar)	877	0 1,5 SAY " " COLOR (colorvar)
812	0 4,0 SAY " " COLOR (colorvar)	878	0 1,7 SAY " " COLOR (colorvar)
813	0 0,0 SAY " " COLOR (colorvar)	879	0 2,0 SAY " " COLOR W+/N
814	0 0,2 SAY " " COLOR (colorvar)	880	0 2,3 SAY " " COLOR (colorvar)
815	0 0,5 SAY " " COLOR (colorvar)	881	0 2,7 SAY " " COLOR (colorvar)
816	0 1,0 SAY " " COLOR W+/N	882	0 3,0 SAY " " COLOR W+/N
817	0 1,5 SAY " " COLOR (colorvar)	883	0 3,5 SAY " " COLOR W+/N
818	0 2,0 SAY " " COLOR W+/N	884	0 3,7 SAY " " COLOR (colorvar)
819	0 2,4 SAY " " COLOR W+/N	885	0 4,0 SAY " " COLOR (colorvar)
820	0 3,0 SAY " " COLOR W+/N	886	-CASE SUBSTR(INSTRING,CURLET,1) = "Q"
821	0 3,3 SAY " " COLOR (colorvar)	887	DEFINE WINDOW ("letter" + ALLTRIM(STR(CURLET))) ;
822	0 4,0 SAY " " COLOR (colorvar)	888	FROM STARTX,CURRENTY TO STARTX + 5,CURRENTY + 5 ;
823	0 0,0 SAY " " COLOR (colorvar)	889	NONE NOSHADON
824	0 0,2 SAY " " COLOR (colorvar)	890	ACTIVATE WINDOW ("letter" + ALLTRIM(STR(CURLET)))
825	0 0,5 SAY " " COLOR (colorvar)	891	CURRENTY = CURRENTY + 9
826	0 1,0 SAY " " COLOR W+/N	892	0 0,0 SAY " " COLOR W+/N
827	0 1,5 SAY " " COLOR (colorvar)	893	0 0,3 SAY " " COLOR W+/N
828	0 2,0 SAY " " COLOR W+/N	894	0 0,4 SAY " " COLOR W+/N
829	0 2,4 SAY " " COLOR W+/N	895	0 1,0 SAY " " COLOR W+/N
830	0 3,0 SAY " " COLOR W+/N	896	0 1,3 SAY " " COLOR (colorvar)
831	0 3,3 SAY " " COLOR (colorvar)	897	0 1,5 SAY " " COLOR (colorvar)
832	0 4,0 SAY " " COLOR (colorvar)	898	0 1,7 SAY " " COLOR (colorvar)
833	0 0,0 SAY " " COLOR (colorvar)	899	0 2,0 SAY " " COLOR W+/N
834	0 0,2 SAY " " COLOR (colorvar)	900	0 2,3 SAY " " COLOR (colorvar)
835	0 0,5 SAY " " COLOR (colorvar)	901	0 2,7 SAY " " COLOR (colorvar)
836	0 1,0 SAY " " COLOR W+/N	902	0 3,0 SAY " " COLOR W+/N
837	0 1,5 SAY " " COLOR (colorvar)	903	0 3,5 SAY " " COLOR W+/N
838	0 2,0 SAY " " COLOR W+/N	904	0 3,7 SAY " " COLOR (colorvar)
839	0 2,4 SAY " " COLOR W+/N	905	0 4,0 SAY " " COLOR (colorvar)
840	0 3,0 SAY " " COLOR W+/N	906	-CASE SUBSTR(INSTRING,CURLET,1) = "Q"
841	0 3,3 SAY " " COLOR (colorvar)	907	DEFINE WINDOW ("letter" + ALLTRIM(STR(CURLET))) ;
842	0 4,0 SAY " " COLOR (colorvar)	908	FROM STARTX,CURRENTY TO STARTX + 5,CURRENTY + 5 ;
843	0 0,0 SAY " " COLOR (colorvar)	909	NONE NOSHADON
844	0 0,2 SAY " " COLOR (colorvar)	910	ACTIVATE WINDOW ("letter" + ALLTRIM(STR(CURLET)))
845	0 0,5 SAY " " COLOR (colorvar)	911	CURRENTY = CURRENTY + 9
846	0 1,0 SAY " " COLOR W+/N	912	0 0,0 SAY " " COLOR W+/N
847	0 1,5 SAY " " COLOR (colorvar)	913	0 0,3 SAY " " COLOR W+/N
848	0 2,0 SAY " " COLOR W+/N	914	0 0,4 SAY " " COLOR W+/N
849	0 2,4 SAY " " COLOR W+/N	915	0 1,0 SAY " " COLOR W+/N
850	0 3,0 SAY " " COLOR W+/N	916	0 1,3 SAY " " COLOR (colorvar)
851	0 3,3 SAY " " COLOR (colorvar)	917	0 1,5 SAY " " COLOR (colorvar)
852	0 4,0 SAY " " COLOR (colorvar)	918	0 2,0 SAY " " COLOR W+/N
853	0 0,0 SAY " " COLOR (colorvar)	919	0 2,3 SAY " " COLOR (colorvar)
854	0 0,2 SAY " " COLOR (colorvar)	920	0 2,7 SAY " " COLOR (colorvar)
855	0 0,5 SAY " " COLOR (colorvar)	921	0 3,0 SAY " " COLOR W+/N
856	0 1,0 SAY " " COLOR W+/N	922	0 3,5 SAY " " COLOR W+/N
857	0 1,5 SAY " " COLOR (colorvar)	923	0 3,7 SAY " " COLOR (colorvar)
858	0 2,0 SAY " " COLOR W+/N	924	0 4,0 SAY " " COLOR (colorvar)

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925 @ 1,5 SAY " " COLOR (colorvar)
926 @ 1,7 SAY " " COLOR (colorvar)
927
928 @ 2,0 SAY " " COLOR W+/N
929 @ 2,3 SAY " " COLOR (colorvar)
930 @ 2,7 SAY " " COLOR (colorvar)
931
932 @ 3,0 SAY " " COLOR (colorvar)
933 @ 3,6 SAY " " COLOR (colorvar)
934
935 @ 4,0 SAY " " COLOR (colorvar)
936 @ 4,6 SAY " " COLOR (colorvar)
937 @ 4,7 SAY " " COLOR (colorvar)
938
939 -CASE SUBSTR(instring,curlet,1) = "q"
940 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
941 FROM startx,curynto TO startx + 5,curynto + 7 ;
942 NONE NOSHADOW
943 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
944 curynty = curynty + 8
945 @ 0,0 SAY " " COLOR W+/N
946 @ 0,3 SAY " " COLOR W+/N
947
948 @ 1,0 SAY " " COLOR W+/N
949 @ 1,3 SAY " " COLOR (colorvar)
950 @ 1,6 SAY " " COLOR (colorvar)
951
952 @ 2,0 SAY " " COLOR W+/N
953 @ 2,6 SAY " " COLOR (colorvar)
954
955 @ 3,0 SAY " " COLOR W+/N
956 @ 3,3 SAY " " COLOR (colorvar)
957 @ 3,6 SAY " " COLOR (colorvar)
958
959 @ 4,0 SAY " " COLOR (colorvar)
960 -CASE SUBSTR(instring,curlet,1) = "s"
961 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
962 FROM startx,curynto TO startx + 5,curynto + 7 ;
963 NONE NOSHADOW
964 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
965 curynty = curynty + 8
966 @ 0,0 SAY " " COLOR W+/N
967 @ 0,2 SAY " " COLOR W+/N
968 @ 0,5 SAY " " COLOR W+/N
969
970 @ 1,0 SAY " " COLOR (colorvar)
971 @ 1,5 SAY " " COLOR (colorvar)
972
973 @ 2,0 SAY " " COLOR (colorvar)
974 @ 2,6 SAY " " COLOR (colorvar)
975
976 @ 3,0 SAY " " COLOR W+/N
977 @ 3,5 SAY " " COLOR W+/N
978
979 @ 4,0 SAY " " COLOR (colorvar)
980 -CASE SUBSTR(instring,curlet,1) = "t"
981 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
982 FROM startx,curynto TO startx + 5,curynto + 7 ;
983 NONE NOSHADOW
984 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
985 curynty = curynty + 8
986 @ 0,0 SAY " " COLOR W+/N
987 @ 0,1 SAY " " COLOR (colorvar)
988 @ 0,6 SAY " " COLOR (colorvar)
989 @ 1,2 SAY " " COLOR W+/N
990
991
992
993
994
995
996
997
998
999
1000
1001 @ 2,2 SAY " " COLOR W+/N
1002 @ 3,2 SAY " " COLOR W+/N
1003
1004 @ 4,0 SAY " " COLOR (colorvar)
1005 -CASE SUBSTR(instring,curlet,1) = "u"
1006 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
1007 FROM startx,curynto TO startx + 5,curynto + 6 ;
1008 NONE NOSHADOW
1009 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1010 curynty = curynty + 8
1011 @ 0,0 SAY " " COLOR (colorvar)
1012 @ 0,2 SAY " " COLOR (colorvar)
1013 @ 0,4 SAY " " COLOR (colorvar)
1014 @ 0,6 SAY " " COLOR (colorvar)
1015
1016 @ 1,0 SAY " " COLOR W+/N
1017 @ 1,3 SAY " " COLOR (colorvar)
1018 @ 1,6 SAY " " COLOR (colorvar)
1019
1020 @ 2,0 SAY " " COLOR W+/N
1021 @ 2,3 SAY " " COLOR W+/N
1022 @ 2,4 SAY " " COLOR W+/N
1023
1024 @ 3,0 SAY " " COLOR W+/N
1025 @ 3,2 SAY " " COLOR W+/N
1026 @ 3,3 SAY " " COLOR W+/N
1027 @ 3,4 SAY " " COLOR W+/N
1028
1029 @ 4,0 SAY " " COLOR (colorvar)
1030 -CASE SUBSTR(instring,curlet,1) = "v"
1031 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
1032 FROM startx,curynto TO startx + 5,curynto + 7 ;
1033 NONE NOSHADOW
1034 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1035 curynty = curynty + 9
1036 @ 0,0 SAY " " COLOR (colorvar)
1037 @ 0,2 SAY " " COLOR (colorvar)
1038 @ 0,3 SAY " " COLOR (colorvar)
1039 @ 0,7 SAY " " COLOR (colorvar)
1040
1041 @ 1,0 SAY " " COLOR (colorvar)
1042 @ 1,3 SAY " " COLOR W+/N
1043 @ 1,4 SAY " " COLOR W+/N
1044 @ 1,7 SAY " " COLOR (colorvar)
1045
1046 @ 2,0 SAY " " COLOR W+/N
1047 @ 2,3 SAY " " COLOR W+/N
1048 @ 3,0 SAY " " COLOR W+/N
1049 @ 3,4 SAY " " COLOR W+/N
1050
1051 @ 4,0 SAY " " COLOR (colorvar)
1052 -CASE SUBSTR(instring,curlet,1) = "w"
1053 DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
1054 FROM startx,curynto TO startx + 5,curynto + 10 ;
1055 NONE NOSHADOW
1056 ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
1057 curynty = curynty + 12
1058 @ 0,0 SAY " " COLOR (colorvar)
1059 @ 0,2 SAY " " COLOR (colorvar)
1060 @ 0,4 SAY " " COLOR (colorvar)
1061 @ 0,6 SAY " " COLOR (colorvar)
1062 @ 0,8 SAY " " COLOR (colorvar)
1063 @ 0,10 SAY " " COLOR (colorvar)
1064

```



```

1123 cumenty = cumenty + 8
1124 @ 0,0 SAY " " COLOR W+/-N
1125 @ 0,1 SAY " " COLOR (colorvar)
1126 @ 0,6 SAY " " COLOR (colorvar)
1127
1128 @ 1,0 SAY " "
1129 @ 1,4 SAY " " COLOR W+/-N
1130 @ 1,6 SAY " " COLOR (colorvar)
1131
1132 @ 2,0 SAY " "
1133 @ 2,3 SAY " " COLOR W+/-N
1134
1135 @ 3,0 SAY " " COLOR W+/-N
1136 @ 3,4 SAY " "
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1138 @ 4,0 SAY " " COLOR (colorvar)
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cumenty = cumenty + 8
 @ 0,0 SAY " " COLOR W+/-N
 @ 0,1 SAY " " COLOR (colorvar)
 @ 0,6 SAY " " COLOR (colorvar)

 @ 1,0 SAY " "
 @ 1,4 SAY " " COLOR W+/-N
 @ 1,6 SAY " " COLOR (colorvar)

 @ 2,0 SAY " "
 @ 2,3 SAY " " COLOR W+/-N

 @ 3,0 SAY " " COLOR W+/-N
 @ 3,4 SAY " "

 @ 4,0 SAY " " COLOR (colorvar)

 END CASE
 curlet = curlet + 1
 ENDDO

DEFINE WINDOW ("WRN") ;
 FROM x_coor*startx,y_coor-12 TO x_coor*startx + 11,y_coor + 60 ;
 NONE NOSHADOW
 ACTIVATE WINDOW ("WRN")
 @ 3,12 SAY "(c) Naval Health Research Center, Pat.Pend."

 @ 5,0 SAY "#####"
 @ 6,0 SAY "If any problem please contact: D.M. Pearsall (Des)
 Naval Health Research Ce
 P.O.Box 85122
 San Diego, CA 92186-5122
 (619) 553 - 8401
 #####"

 @ 11,0 SAY "#####"
 #####"

 WAIT "TIMEOUT of t
 IF NOT EMPTY(instring)
 curlet = 1
 FOR i = 1 TO len str
 DEACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
 RELEASE WINDOW ("letter" + ALLTRIM(STR(curlet)))
 curlet = curlet + 1
 NEXT
 ENDIF
 DEACTIVATE WINDOW "wrn"
 RELEASE WINDOW "wrn"
 CLEAR
 *: EOF: BIGCHARS.ACT

```

@ 1,0 SAY " " COLOR W/H
@ 1,2 SAY " " COLOR W/H
@ 1,3 SAY " " COLOR W/H
@ 1,6 SAY " " COLOR (colorvar)
@ 1,7 SAY " " COLOR W/H
@ 1,9 SAY " " COLOR W/H

@ 2,1 SAY " " COLOR W/H

@ 3,2 SAY " " COLOR W/H
@ 3,6 SAY " " COLOR W/H
@ 3,9 SAY " " COLOR (colorvar)

@ 4,0 SAY " " COLOR (colorvar)
--CASE SUBSTR(instrng,curlet,1) = "w"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto startx + 5,curynto + 8 ;
NONE NOSHOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynto + 9
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 0,3 SAY " "
@ 0,7 SAY " " COLOR (colorvar)

@ 1,0 SAY " "
@ 1,5 SAY " " COLOR W/H
@ 1,6 SAY " " COLOR (colorvar)

@ 2,0 SAY " "
@ 2,3 SAY " " COLOR W/H

@ 3,0 SAY " " COLOR W/H
@ 3,3 SAY " " COLOR (colorvar)
@ 3,4 SAY " "
@ 3,7 SAY " " COLOR (colorvar)

@ 4,0 SAY " " COLOR (colorvar)
--CASE SUBSTR(instrng,curlet,1) = "w"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto startx + 5,curynto + 9 ;
NONE NOSHOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))
curynto = curynto + 10
@ 0,0 SAY " "
@ 0,2 SAY " " COLOR (colorvar)
@ 0,3 SAY " "
@ 0,8 SAY " " COLOR (colorvar)

@ 1,0 SAY " "
@ 1,3 SAY " " COLOR (colorvar)
@ 1,4 SAY " "
@ 1,7 SAY " " COLOR (colorvar)

@ 2,0 SAY " "
@ 2,5 SAY " " COLOR W/H
@ 2,7 SAY " " COLOR (colorvar)

@ 3,3 SAY " " COLOR W/H

@ 4,0 SAY " " COLOR (colorvar)
--CASE SUBSTR(instrng,curlet,1) = "w"
DEFINE WINDOW ("letter" + ALLTRIM(STR(curlet))) ;
FROM startx,curynto startx + 5,curynto + 8 ;
NONE NOSHOW
ACTIVATE WINDOW ("letter" + ALLTRIM(STR(curlet)))

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10/07/92	CAND.WPR	11:51:56
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENMENU.		

Menu Definition

```

37 SET SYSMENU TO
38 SET SYSMENU AUTOMATIC
39 DEFINE PAD _qppofko5 OF _sysmenu PROMPT "\<System" COLOR SCHEME 3 ;
40 KEY alt+s ""
41 DEFINE PAD _qppofkpp OF _sysmenu PROMPT "\<File" COLOR SCHEME 3 ;
42 KEY alt+f ""
43 DEFINE PAD _qppofkqc OF _sysmenu PROMPT "\<Edit" COLOR SCHEME 3 ;
44 KEY alt+e ""
45 DEFINE PAD _qppofkrl OF _sysmenu PROMPT "\<Diagnosis" COLOR SCHEME
=> 3 ;
46 KEY alt+d ""
47 DEFINE PAD _qppofkro OF _sysmenu PROMPT "\<Window" COLOR SCHEME 3 ;
48 KEY alt+w ""
49 ON PAD _qppofko5 OF _sysmenu ACTIVATE POPUP _csystem
50 ON PAD _qppofkpp OF _sysmenu ACTIVATE POPUP _cfile
51 ON PAD _qppofkqc OF _sysmenu ACTIVATE POPUP _ccedit
52 ON PAD _qppofkrl OF _sysmenu ACTIVATE POPUP _diagnosis
53 ON PAD _qppofkro OF _sysmenu ACTIVATE POPUP _cwindow
54 DEFINE POPUP _csystem MARGIN RELATIVE SHADOW COLOR SCHEME 4
55 DEFINE BAR _mst help OF _csystem PROMPT "\<Help...";
56 KEY f1 "F1"
57 DEFINE BAR 2 OF _csystem PROMPT "\<";
58 DEFINE BAR 3 OF _csystem PROMPT "Change \<Password";
59 SKIP FOR NOT_EMPTY(MONITOR())
60 DEFINE BAR 4 OF _csystem PROMPT "\<Backup";
61 SKIP FOR NOT_EMPTY(MONITOR())
62 DEFINE BAR 5 OF _csystem PROMPT "\<Restore";
63 SKIP FOR NOT_EMPTY(MONITOR())
64 DEFINE BAR 6 OF _csystem PROMPT "\<";
65 DEFINE BAR _mst filter OF _csystem PROMPT "\<Filter"
66 DEFINE BAR _mst calcu OF _csystem PROMPT "\<Calculator"
67 DEFINE BAR _mst diary OF _csystem PROMPT "Calendar/\<Diary"
68 DEFINE BAR _mst puzzl OF _csystem PROMPT "Puzzle"
69 ON SELECTION BAR 3 OF _csystem ;
70 DO _qppofloy ;
71 IN LOCFILE("CAND", "WPR;WPR|FX;PRG", "Where is CAND?")
72 ON SELECTION BAR 4 OF _csystem DO _mhit WITH "Backup"
73 ON SELECTION BAR 5 OF _csystem DO _mhit WITH "Restore"

```

```

66 DEFINE POPUP _cfile MARGIN RELATIVE SHADOW COLOR SCHEME 4
67 DEFINE BAR 1 OF _cfile PROMPT "\<Reindex";
68 SKIP FOR NOT_EMPTY(MONITOR())
69 DEFINE BAR 2 OF _cfile PROMPT "\<";
70 DEFINE BAR 3 OF _cfile PROMPT "\<Quit"
71 ON SELECTION BAR 1 OF _cfile DO REINDEX
72 ON SELECTION BAR 3 OF _cfile DO _quit
73
74 DEFINE POPUP _ccedit MARGIN RELATIVE SHADOW COLOR SCHEME 4
75 DEFINE BAR _med undo OF _ccedit PROMPT "\<Undo";
76 KEY ctrl+u "U"
77 DEFINE BAR _med redo OF _ccedit PROMPT "\<Redo";
78 KEY ctrl+r "R"
79 DEFINE BAR _med sp100 OF _ccedit PROMPT "\<";
80 DEFINE BAR _med cut OF _ccedit PROMPT "CU\<";
81 KEY ctrl+x "X"
82 DEFINE BAR _med copy OF _ccedit PROMPT "\<Copy";
83 KEY ctrl+c "C"
84 DEFINE BAR _med paste OF _ccedit PROMPT "\<Paste";
85 KEY ctrl+v "V"
86 DEFINE BAR _med clear OF _ccedit PROMPT "Clear"
87 DEFINE BAR _med sp200 OF _ccedit PROMPT "\<";
88 DEFINE BAR _med selecta OF _ccedit PROMPT "Select \<All";
89 KEY ctrl+a "A"
90 DEFINE BAR _med sp300 OF _ccedit PROMPT "\<";
91 DEFINE BAR _med goto OF _ccedit PROMPT "GoTo \<Line...";
92 DEFINE BAR _med find OF _ccedit PROMPT "\<Find...";
93 KEY ctrl+f "F"
94 DEFINE BAR _med finda OF _ccedit PROMPT "Find A\<gain";
95 KEY ctrl+g "G"
96 DEFINE BAR _med repl OF _ccedit PROMPT "R\<eplace And Find Again";
97 KEY ctrl+e "E"
98 DEFINE BAR _med repla OF _ccedit PROMPT "Replace All"
99 DEFINE BAR _med sp400 OF _ccedit PROMPT "\<";
100 DEFINE BAR _med pref OF _ccedit PROMPT "Prefere\<nces...";
101
102 DEFINE POPUP diagnosis MARGIN RELATIVE SHADOW COLOR SCHEME 4
103 DEFINE BAR 1 OF diagnosis PROMPT "\<Register Patient...";
104 SKIP FOR enc open AND mncstate != "M"
105 DEFINE BAR 2 OF diagnosis PROMPT "\<Encounter...";
106 DEFINE BAR 3 OF diagnosis PROMPT "\<SF600 Report"
107 DEFINE BAR 4 OF diagnosis PROMPT "\<";
108 DEFINE BAR 5 OF diagnosis PROMPT "\<Disease/Treatment Lookup"
109 DEFINE BAR 6 OF diagnosis PROMPT "\<";
110 DEFINE BAR 7 OF diagnosis PROMPT "Encounter \<Training Mode"
111 ON SELECTION BAR 1 OF diagnosis DO _mhit WITH "m pat"
112 ON SELECTION BAR 2 OF diagnosis DO _mhit WITH "m newenc"
113 ON SELECTION BAR 3 OF diagnosis DO _mhit WITH "m sf600"
114 ON SELECTION BAR 5 OF diagnosis DO _mhit WITH "m lookup"
115 ON SELECTION BAR 7 OF diagnosis ;
116 DO _qppoflc8 ;
117 IN LOCFILE("CAND", "WPR;WPR|FX;PRG", "Where is CAND?")
118
119 DEFINE POPUP _cwindow MARGIN RELATIVE SHADOW COLOR SCHEME 4
120 DEFINE BAR _mwi move OF _cwindow PROMPT "\<Move";
121 KEY ctrl+f7 "F7"
122 DEFINE BAR _mwi size OF _cwindow PROMPT "\<Size";
123 KEY ctrl+f8 "F8"
124 DEFINE BAR _mwi zoom OF _cwindow PROMPT "\<Zoom 1";
125 KEY ctrl+f10 "F10"
126 DEFINE BAR _mwi min OF _cwindow PROMPT "Z\<oom 1";
127 KEY ctrl+f9 "F9"
128 DEFINE BAR _mwi rotat OF _cwindow PROMPT "\<Cycle";
129 KEY ctrl+f11 "F11"
130 DEFINE BAR 6 OF _cwindow PROMPT "Co\<lor...";
131

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132 DEFINE BAR _mii_sp200 OF _cwindow PROMPT "\- "
133 DEFINE BAR _mii_cnd OF _cwindow PROMPT "Command" ;
134 KEY ctrl+f2, "f2"
135 DEFINE BAR _mii_debug OF _cwindow PROMPT "\<Debug" ;
136 SKIP FOR lis_debug
137 DEFINE BAR _mii_trace OF _cwindow PROMPT "\<Trace" ;
138 SKIP FOR lis_trace
139 DEFINE BAR _mii_view OF _cwindow PROMPT "\<View"
140 ON SELECTION BAR 6 OF _cwindow DO colorset.spr
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Procedure Origin:

From Menu: CAMD.MPR, Record: 47

Called By: ON SELECTION BAR 7 OF POPUP diagnosis

Prompt: Encounter Training Mode

Snippet: 2

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198 _qppopflr8 ON SELECTION BAR 7 OF POPUP diagnosis
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Procedure Origin:

From Menu: CAMD.MPR, Record: 47

Called By: ON SELECTION BAR 7 OF POPUP diagnosis

Prompt: Encounter Training Mode

Snippet: 2

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1000 *

```

Cleanup Code & Procedures

```

PROCEDURE mhit
PARAMETER prog
*
* If an application READ is already active,
* execute CLEAR READ. This causes the active
* application READ to terminate as soon as
* the menu processing routine is complete and
* also requests that the foundation READ be terminated.
* The active application READ terminates first
* and control passes back to the foundation READ.
* Since it has also been CLEARED, it executes
* its VALID routine. This VALID routine, noting
* that the PUBLIC variable 'tobedone' has been
* assigned a value, launches the new application
* which has been requested.

```

```

IF RDLEVEL() > 1
tobedone = PROG
CLEAR READ
ELSE
*
* If no other application is running,
* just start the requested application
DO (PROG)
ENDIF

```

```

PROCEDURE mexit
droptdead = .T.
CLEAR READ ALL

```

Procedure Origin:

From Menu: CAMD.MPR, Record: 7

Called By: ON SELECTION BAR 3 OF POPUP _csystem

Prompt: Change Password

Snippet: 1

```

PROCEDURE _qppopfl0y

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09/28/92	CANDTR.MPR	14:22:23
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENMENU.		

Menu Definition

```

SET SYSTEM TO
SET SYSTEM AUTOMATIC
DEFINE PAD _q9out1ky OF _msysmenu PROMPT "\<System" COLOR SCHEME 3 ;
KEY alt+s ""
DEFINE PAD _q9out1lc OF _msysmenu PROMPT "\<File" COLOR SCHEME 3 ;
KEY alt+f ""
DEFINE PAD _q9out1m7 OF _msysmenu PROMPT "\<Edit" COLOR SCHEME 3 ;
KEY alt+e ""
DEFINE PAD _q9out1mt OF _msysmenu PROMPT "\<Diagnosis" COLOR SCHEME
=> 3 ;
KEY alt+d ""
DEFINE PAD _q9out1nc OF _msysmenu PROMPT "\<Window" COLOR SCHEME 3 ;
KEY alt+n ""
DEFINE PAD _q9out1oc OF _msysmenu PROMPT "\<TRAINING MODE" COLOR SCHE
=> ME 3
ON PAD _q9out1ky OF _msysmenu ACTIVATE POPUP _cysystem
ON PAD _q9out1lc OF _msysmenu ACTIVATE POPUP _cfile
ON PAD _q9out1m7 OF _msysmenu ACTIVATE POPUP _ccedit
ON PAD _q9out1mt OF _msysmenu ACTIVATE POPUP _cdiagnosis
ON PAD _q9out1nc OF _msysmenu ACTIVATE POPUP _cwindow
DEFINE POPUP _csystem MARGIN RELATIVE SHADOW COLOR SCHEME 4
DEFINE BAR _mst help OF _csystem PROMPT "\<Help...";
KEY f1 "F1"
DEFINE BAR 2 OF _csystem PROMPT "\<";
DEFINE BAR 3 OF _csystem PROMPT "Change \<Password";
SKIP FOR NOT EMPTY(WONTOP());
DEFINE BAR 4 OF _csystem PROMPT "\<Backup";
SKIP FOR NOT EMPTY(WONTOP());
DEFINE BAR 5 OF _csystem PROMPT "\<Restore";
SKIP FOR NOT EMPTY(WONTOP());
DEFINE BAR 6 OF _csystem PROMPT "\<";
DEFINE BAR _mst filler OF _csystem PROMPT "\<Filler";
DEFINE BAR _mst calcu OF _csystem PROMPT "\<Calculator";
DEFINE BAR _mst diary OF _csystem PROMPT "\<Calendar\<Diary";
DEFINE BAR _mst puzzle OF _csystem PROMPT "\<Puzzle";
ON SELECTION BAR 3 OF _csystem DO _mst WITH "Backup";
ON SELECTION BAR 4 OF _csystem DO _mst WITH "Restore";
ON SELECTION BAR 5 OF _csystem DO _mst WITH "Restore";

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DEFINE POPUP _cfile MARGIN RELATIVE SHADOW COLOR SCHEME 4
DEFINE BAR 1 OF _cfile PROMPT "\<Reindex";
SKIP FOR NOT EMPTY(WONTOP());
DEFINE BAR 2 OF _cfile PROMPT "\<";
DEFINE BAR 3 OF _cfile PROMPT "\<Quit";
ON SELECTION BAR 1 OF _cfile DO REINDEX
ON SELECTION BAR 3 OF _cfile DO _quit
DEFINE POPUP _ccedit MARGIN RELATIVE SHADOW COLOR SCHEME 4
DEFINE BAR _med undo OF _ccedit PROMPT "\<Undo";
KEY ctrl+u, "u"
DEFINE BAR _med redo OF _ccedit PROMPT "\<Redo";
KEY ctrl+r, "r"
DEFINE BAR _med sp100 OF _ccedit PROMPT "\<";
DEFINE BAR _med cut OF _ccedit PROMPT "\<Cut";
KEY ctrl+x, "x"
DEFINE BAR _med copy OF _ccedit PROMPT "\<Copy";
KEY ctrl+c, "c"
DEFINE BAR _med paste OF _ccedit PROMPT "\<Paste";
KEY ctrl+v, "v"
DEFINE BAR _med clear OF _ccedit PROMPT "\<Clear";
DEFINE BAR _med sp200 OF _ccedit PROMPT "\<";
DEFINE BAR _med selecta OF _ccedit PROMPT "\<Select \<All";
KEY ctrl+a, "a"
DEFINE BAR _med sp300 OF _ccedit PROMPT "\<";
DEFINE BAR _med goto OF _ccedit PROMPT "\<Goto \<Line...";
DEFINE BAR _med find OF _ccedit PROMPT "\<Find...";
KEY ctrl+f, "f"
DEFINE BAR _med finda OF _ccedit PROMPT "\<Find A\<gain";
KEY ctrl+g, "g"
DEFINE BAR _med repl OF _ccedit PROMPT "\<Replace And Find Again";
KEY ctrl+e, "e"
DEFINE BAR _med repla OF _ccedit PROMPT "\<Replace All";
DEFINE BAR _med sp400 OF _ccedit PROMPT "\<";
DEFINE BAR _med pref OF _ccedit PROMPT "\<Prefer\<nces...";
DEFINE POPUP _cdiagnosis MARGIN RELATIVE SHADOW COLOR SCHEME 4
DEFINE BAR 1 OF diagnosis PROMPT "\<Register Patient...";
SKIP FOR NOT EMPTY(WONTOP());
DEFINE BAR 2 OF diagnosis PROMPT "\<Encounter...";
DEFINE BAR 3 OF diagnosis PROMPT "\<SF600 Report";
DEFINE BAR 4 OF diagnosis PROMPT "\<";
DEFINE BAR 5 OF diagnosis PROMPT "\<Disease/Treat...< Lookup";
DEFINE BAR 6 OF diagnosis PROMPT "\<";
ON SELECTION BAR 1 OF diagnosis DO _mst WITH "m pat"
ON SELECTION BAR 2 OF diagnosis DO _mst WITH "m newenc"
ON SELECTION BAR 3 OF diagnosis DO _mst WITH "m sf600"
ON SELECTION BAR 5 OF diagnosis DO _mst WITH "m lookup"
ON SELECTION BAR 7 OF diagnosis DO _mst WITH "m training"
DEFINE POPUP _cwindow MARGIN RELATIVE SHADOW COLOR SCHEME 4
DEFINE BAR _mst move OF _cwindow PROMPT "\<Move";
KEY ctrl+f7, "f7"
DEFINE BAR _mst size OF _cwindow PROMPT "\<Size";
KEY ctrl+f8, "f8"
DEFINE BAR _mst zoom OF _cwindow PROMPT "\<Zoom 1";
KEY ctrl+f10, "f10"
DEFINE BAR _mst min OF _cwindow PROMPT "\<Zoom 1";
KEY ctrl+f9, "f9"
DEFINE BAR _mst rotat OF _cwindow PROMPT "\<Cycle";
KEY ctrl+f11, "f11"
DEFINE BAR _mst sp200 OF _cwindow PROMPT "\<Color...";
DEFINE BAR _mst chd OF _cwindow PROMPT "\<Command";

```

```

131 KEY Ctrl+F2, "F2="
132 DEFINE BAR _mni_debug OF _cwindow PROMPT "\<Debug";
133 SKIP FOR !is_debug
134 DEFINE BAR _mni_trace OF _cwindow PROMPT "\<Trace";
135 SKIP FOR !is_debug
136 DEFINE BAR _mni_view OF _cwindow PROMPT "\<View"
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```

Cleanup Code & Procedures

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PROCEDURE wht
PARAMETER PROG
*
* If an application READ is already active
* execute CLEAR READ. This causes the active
* application READ to terminate as soon as
* the menu processing routine is complete and
* also requests that the foundation READ be terminated.
* The active application READ terminates first
* and control passes back to the foundation READ.
* Since it has also been CLEARED, it executes
* its VALID routine. This VALID routine, noting
* that the PUBLIC variable 'tobedone' has been
* assigned a value, launches the new application
* which has been requested.
*
IF RDLEVEL() > 1
  tobedone = PROG
  CLEAR READ
ELSE
  * If no other application is running,
  * just start the requested application
  DO (PROG)
ENDIF

PROCEDURE mexit
droptdead = .T.
CLEAR READ ALL
*: EOF: CAMDTR.AC2

```

10/07/92	COLORSET.SPR	11:52:12
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

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REGIONAL m.currense, m.talkstat, m.compatat

```

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

```

Window definitions

```

IF NOT EXIST("w_color")
  DEFINE WINDOW w_color
  FROM INT((SROW()-14)/2), INT((SCOL()-32)/2)
  TO INT((SROW()-14)/2)+13, INT((SCOL()-32)/2)+31
  NOFLOAT
  NOCLOSE
  SHADOW
  DOUBLE
  COLOR SCHEME 5
ENDIF

```

COLORSET Setup Code - SECTION 2

```

REGION 1
IF IUSED("colorset")
  SELECT 0
  USE colorset INDEX colorset
ELSE
  SELECT colorset
ENDIF
COPY TO ARRAY colorlist FIELD color_set

```

COLORSET.AC1 10-14-92 10:52a

COLORSET Screen Layout

```

REGION 1
IF WVISIBLE("w_color")
  ACTIVATE WINDOW w_color SAME
ELSE
  ACTIVATE WINDOW w_color NOSHOW
ENDIF
@ 0,1 GET m.coloridx ;
  PICTURE "9999" ;
  FROM colorlist ;
  SIZE 10,27 ;
  DEFAULT 1 ;
  COLOR SCHEME 6
@ 11,5 GET m.action ;
  PICTURE "9999" ;
  SIZE 1,8,3 ;
  DEFAULT 1 ;
  VALID _qppopfa2h()

```

```

IF NOT WVISIBLE("w_color")
  ACTIVATE WINDOW w_color
ENDIF

```

READ CYCLE

RELEASE WINDOW w_color

```

REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatat = "ON"
  SET COMPATIBLE ON
ENDIF

```

_qppopfa2h m.action VALID
 Function Origin:
 From Screen:
 Variable:
 Called By:
 Object Type:
 Snippet Number:

```

FUNCTION _qppopfa2h      @ 6 m.action VALID
REGION 1
IF m.action = 1
  m.colorset = TRIM(colorlist(m.coloridx))
  IF m.colorset < "COLOR"
    m.colorset = "DEFAULT"
  ENDIF
  SET COLOR SET TO (m.colorset)
ENDIF
* : EOF: COLORSET.AC1

```

Page 1 of 1

```

1 *****
2
3 Procedure file: C:\CAMD\WORK\DEMO.PRG
4
5 System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6 Author: ROY DOBBINS and HOA LY
7 Copyright (c) 1992 NAVAL HEALTH RESEARCH CENTER
8 Last modified: 10/05/92 16:36
9
10 Procs & Fncts: SYSINIT()
11 : INIENCOUNT()
12 : INISYMPTOM()
13 : INIDIAGNOSIS()
14 : BATCHTEST()
15 : SYSCLOSE()
16 : M_RESUME
17 : M_REGPAT
18 : M_PAT
19 : M_ENC
20 : M_COMPL
21 : M_DIAG
22 : M_ASSIST
23 : M_HANDP
24 : M_TREAT
25 : M_REDOQ
26 : ENCOUNT
27 : M_ENGCLO
28 : M_ENCSAV
29 : M_ENCVAILD
30 : M_ENCGET
31 : M_ENCHEV
32 : EDSXAGE
33 : M_ENCRULE
34 : LORULE
35 : TESTRULES
36 : EVALRULES
37 : OBJTYPE
38 : EVALCOND
39 : UNDORULES
40 : UNDOFACTOR
41 : UNDOQUAL
42 : ASKDIAG
43 : GETDIAGAREA
44 : GETPATIENT
45 : GETENCNT
46 : LODENC
47 : M_CHANGE
48 : M_UNDO
49 : M_UNDORULE
50 : M_UNDO
51 : MAKEDIAG
52 : GETCURPAT
53 : SETCURPAT
54 : M_PATLIST
55 : M_PATGET
56 : M_PATPUT
57 : M_PATADD
58 : AGEAT
59 : ADDDIAGNOS
60 : ADDHISTORY
61 : ADDSYMPTOM
62 : DELDIAGNOS
63 : RESETDIAG
64 : DELSYMPTOM
65 : INCR
66 : DECR

```

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67 : MULFACTOR
68 : SUNFACTOR
69 : NORMFACTOR
70 : GETFACTOR
71 : SETFACTOR
72 : DEFFACTOR
73 : FACTORID
74 : ADDFACTOR
75 : LOOKUPQ
76 : LOOKUPNAM
77 : ASK
78 : ISO
79 : VALQ
80 : EVALQ
81 : EDITSYMPT
82 : SETQ
83 : DEFQ
84 : GETQ
85 : ERASEQ
86 : RESTOREQ
87 : PUSHQ
88 : CHANGEQ
89 : POPQ
90 : LASTQ
91 : QID
92 : ADDQ
93 : STRCOND
94 : STRDIAG
95 : STRNATURAL
96 : ENC2STR
97 : INVERTCOND
98 : MPAT
99 : M_PCLEAR
100 : M_SF600
101 : M_SF600
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131 : M_SF600
132 : M_SF600

```

```

Calls: SECHECK.PRG
: SYSINIT()
: USERINIT()
: POPUPSHOW()
: INIENCOUNT()
: INISYMPTOM()
: INIDIAGNOSIS()
: BATCHTEST()
: SYSCLOSE()
: M_RESUME
: M_REGPAT
: M_PAT
: M_ENC
: M_COMPL
: M_DIAG
: M_ASSIST
: M_HANDP
: M_TREAT
: M_REDOQ
: ENCOUNT
: M_ENGCLO
: M_ENCSAV
: M_ENCVAILD
: M_ENCGET
: M_ENCHEV
: EDSXAGE
: M_ENCRULE
: LORULE
: TESTRULES
: EVALRULES
: OBJTYPE
: EVALCOND
: UNDORULES
: UNDOFACTOR
: UNDOQUAL
: ASKDIAG
: GETDIAGAREA
: GETPATIENT
: GETENCNT
: LODENC
: M_CHANGE
: M_UNDO
: M_UNDORULE
: M_UNDO
: MAKEDIAG
: GETCURPAT
: SETCURPAT
: M_PATLIST
: M_PATGET
: M_PATPUT
: M_PATADD
: AGEAT
: ADDDIAGNOS
: ADDHISTORY
: ADDSYMPTOM
: DELDIAGNOS
: RESETDIAG
: DELSYMPTOM
: INCR
: DECR

```

```

Documented 10/14/92 at 10:49
demo.prg
Page 1 of 37

```

```

133 * Medical Practice Support System
134 * Revision: 1.1 $ $Date: 92/05/04 11:10:24 $
135 * Author: RoyDobbins $
136 * 4/21/92 rud01 popup warning when assist run without all
137 * symptoms entered by user
138 * 4/27/92 rud03 batch test mode
139 * 6/1/92 rud05 handle empty ruleset
140 * 6/2/92 rud07 performance tuning of assist
141 * 6/9/92 hl101 delete variable "startdir"
142 * 6/10/92 hl102 add procedures and functions for patient integrate
=> with SAMS
143 * 6/10/92 hl103 add procedures and functions for doing sf600 report
144 * 6/18/92 hl104 update patient info (sex and age) to working memory
145 * 6/18/92 hl105 Comment the computer diagnosis out from sf600 report
146 * 6/18/92 hl106 add mreport to PUBLIC variable for getting the sf600
=> report
147
148 PARAMETERS testdir, testfile, logfile      ## rud03
149
150 * These parameters are only required for testing.      ## rud03
151 * By default, the system runs in interactive mode      ## rud03
152 * and none of these parameters are then required:      ## rud03
153
154 * testdir is the name of the test directory      ## rud03
155 * This directory is the location of the patient      ## rud03
156 * encounter transaction files used for testing.      ## rud03
157
158 * testfile is the name of the test driver file      ## rud03
159 * This file lists the set of test cases to be run      ## rud03
160
161 * logfile is the name of the log file      ## rud03
162 * This file records a summary of the test results      ## rud03
163 PUBLIC talk, wproc
164 IF SET("TALK") = "ON"
165 SET TALK OFF
166 talk = SET("TALK")
167
168 uservalid = secheck()
169 IF uservalid
170 RETURN
171 ENDIF
172 =sysinit()
173 =userinit()
174
175 * delay expected here ...
176 PRIVATE wpopup
177 wpopup = popupshou("initializing...")
178 =inlcourt()
179 =inlsymptom()
180 =inldiagnos()
181 =popuphide(wpopup)
182
183
184
185
186
187
188 * main application menu
189
190 * system state vector for knowledge base processing
191 PRIVATE statevecf
192 PRIVATE statevecq
193 PRIVATE fire
194 PUBLIC agenda
195 PRIVATE ruleaction
196 * to be re-dimensionalized
197 DIMENSION statevecf[10], statevecq[10], fire[10], ruleaction[10] ##

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260 DIMENSION mqid(alen(mcondition))
261
262 event = e_ok
263
264 * set up working storage for the encounter screen
265 mdiagname = ""
266 mcond = ""
267 mqid = ""
268 m = strcond(mcond, mqid, mcondition, msymptom)
269 m = strdiag(mdiagname, mdiag, mconf, cthreshold, "", is_conf)
270 marea = getarea(marea)
271 mprdiagname = disasname(mdiagname)
272 mstatename = mncstate
273
274 * edit the screen
275 mge = ageat(mdateenc, mdatebirth)
276 msex = sexage(mage, msex)
277 mevent = encntitle(msecsec, mlastname, mfirstname, msex, mage,
278 mdateenc, mtimeenc, mareaenc, mprovider,
279 mprdiagname, mdiagname, mcond, mtrtreatment, mstatename)
280
281 * close the screen
282
283 * respond to one of the following pushbutton events
284
285 -DO CASE
286   CASE mevent = e_save
287     * save encounter
288     m_encsave()
289   CASE mevent = e_esc
290     * ESC button
291     IF m_encvalid()
292       * If mconfirm DO you want to save the encounter first, ;
293       * PATIENT ENCOUNTER" == e_ok
294       * save encounter
295       m_encsave()
296     ENDIF
297   CASE mevent = e_print
298     * PRINT button
299     m_encprint()
300   CASE mevent = e_cancel
301     * cancel button
302     RETURN
303
304 * menu service procedure - register patient
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306 *
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*
* menu service procedure - open encounter
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*****
Procedure: M_ENC
Called by: M_NEWENC      (procedure in DEMO.PRG)
          : M_TRAINING   (procedure in DEMO.PRG)

Calls: ENCOUT           (procedure in DEMO.PRG)
       : M_RESUME        (procedure in DEMO.PRG)
       : POPMESSAGE()    (function in U.PRG)
*****
PROCEDURE m_enc
* only allowed if encounter not open
IF lenc open
  event = e_ok
  IF encout() > 0
    =a_resume()
  ELSEIF
  ELSE
    =popmessage("Encounter already open")
  ENDOIF
RETURN
*****
*
*
-----
*
* menu service procedure - select patient's complaint
*
*****
Procedure: M_COMPL
Called by: _EDITCOMPL    (procedure in U.PRG)

Calls: GETDIAGAREA       (procedure in DEMO.PRG)
       : M_ENCRULE       (procedure in DEMO.PRG)
       : POPMESSAGE()    (function in U.PRG)
*****
PROCEDURE m_compl
PRIVATE newarea
* only allowed if encounter not already open
IF mencstat = "M"
  * must select patient first
  IF EMPTY(patientid)
    newarea = getdiagarea()
    IF EMPTY(newarea)
      =a_newarea
    ELSEIF
      =a_encrule()
    ELSE
      =popmessage("first select a patient")
    ENDOIF
  ELSE
    =popmessage("pending encounter open")
  ENDOIF
RETURN
*****
*
*
-----

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451 * menu service procedure - enter care provider's diagnosis
452 *
453 *
454 -----
455
456 Procedure: M_DIAG
457
458 Called by: _EDITDIAG (procedure in U.PRG)
459
460 Calls: ASKDIAG (procedure in DEMO.PRG)
461 : DISEASEMAN() (function in U.PRG)
462 : DISEASEID() (function in U.PRG)
463 : POPMESSAGE() (function in U.PRG)
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*****
*
* menu service procedure - open encounter
*
*****
Procedure: M_ENC
Called by: M_NEWENC      (procedure in DEMO.PRG)
          : M_TRAINING   (procedure in DEMO.PRG)

Calls: ENCOUT           (procedure in DEMO.PRG)
       : M_RESUME        (procedure in DEMO.PRG)
       : POPMESSAGE()    (function in U.PRG)

*****
PROCEDURE m_enc
* only allowed if encounter not open
IF lenc open
  event = e_ok
  IF encout() > 0
    =a_resume()
  ELSEIF
  ELSE
    =popmessage("Encounter already open")
  ENDOIF
RETURN
*****
*
*
*****
* menu service procedure - select patient's complaint
*
*****
Procedure: M_COMPL
Called by: _EDITCOMPL    (procedure in U.PRG)

Calls: GETDIAGAREA       (procedure in DEMO.PRG)
       : M_ENCRULE       (procedure in DEMO.PRG)
       : POPMESSAGE()    (function in U.PRG)

*****
PROCEDURE m_compl
PRIVATE newarea
* only allowed if encounter not already open
IF mencstat = "M"
  * must select patient first
  IF EMPTY(patientid)
    newarea = getdiagarea()
    IF EMPTY(newarea)
      =a_newarea
    ELSEIF
      =a_encrule()
    ELSE
      =popmessage("first select a patient")
    ENDOIF
  ELSE
    =popmessage("pending encounter open")
  ENDOIF
RETURN
*****
*
*
*****

```

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517 ELSE                                     ** rwd01
518   =popmessage("Insufficient data for diagnosis")
519   =resetdiag()
520 ENDIF
521 ELSE
522   =popuphide(wpopup)
523   =popmessage("Complaint must be entered first")
524   =RELEASE("w_asiat")
525   =RELEASE("w_asiat")
526   =RELEASE("w_asiat")
527   =SHOW GETS
528 RETURN
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583 ntreatment = newtreat
584 CUREOBJ = OBJNUM(me_treat)
585 ELSE
586   =popmessage("Diagnosis must be entered first")
587   =RELEASE("w_treat")
588   =RELEASE("w_treat")
589   =RELEASE("w_treat")
590 RETURN
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649 FUNCTION encounter
650 PRIVATE aprevpat
651 aprevpat = patientid
652 patientid = getencnt(patientid, mdateenc)
653 DO CASE
654 CASE patientid > 0
655     * pending encounter
656     IF patientid = aprevpat
657         * selected different patient
658         mdateenc = patient(patientid)
659         * get patient record
660         * patient(patientid, mdateenc, lastaname, firstaname, mdatebirth)
661         * h, msex, mdatebirth
662         * encnt()
663         CASE patientid = 0
664             * new encounter
665             * encnt()
666         OTHERWISE
667             * aborted encounter
668             patientid = 0
669         ENDCASE
670 RETURN patientid
671
672 *-----
673 *
674 * encounter event procedures
675 *
676 *-----
677
678 *****
679 Procedure: M_ENCLOS
680 Called by: M_RESUME (procedure in DEMO.PRG)
681 *****
682 FUNCTION m_enclo
683 * close encounter without saving
684 enc_open = .F.
685 mdateenc = .
686 RETURN .T.
687
688 *****
689 Procedure: M_ENCSAV
690 Called by: BATCHTEST() (function in DEMO.PRG)
691           : ENCLOS (procedure in DEMO.PRG)
692
693 Calls: POPUPSHOW() (function in U.PRG)
694       : M_ENCLOS (procedure in DEMO.PRG)
695       : ADDENCNT() (function in U.PRG)
696       : NEWENCNT() (function in U.PRG)
697       : PUTSYMPTOM() (function in U.PRG)
698       : PUTDIAGNOSIS() (function in U.PRG)
699
700 *****
701 FUNCTION m_encsav
702 * save encounter
703 IF mdateenc = .
704     * message("Encounter is closed")
705     RETURN .F.
706 ENDIF

```

```

714 IF .NOT. ( enc_open AND m_enclo )
715     * message("Encounter is empty, not saved")
716     RETURN .F.
717 ENDIF
718 IF mdateenc = .
719     * save new encounter
720     mdateenc = .
721     * addencnt()
722     * newencnt(patientid, patientid, mdateenc, mdateenc,
723       * provider, mdateenc, mdateenc, mdateenc, mdateenc,
724       mdateenc)
725 ELSE
726     * save pending encounter
727     * putencnt(patientid, patientid, mdateenc, mdateenc,
728       * provider, mdateenc, mdateenc, mdateenc, mdateenc,
729       mdateenc)
730 ENDIF
731 * save symptoms/computer's diagnosis for new/pending encounter
732 * putsymptom(patientid, mdateenc, mdateenc)
733 * putdiagnos(patientid, mdateenc, mdateenc)
734 RETURN .T.
735
736 *****
737 Procedure: M_ENCVALID
738 Called by: M_RESUME (procedure in DEMO.PRG)
739           : M_ENCLOS (procedure in DEMO.PRG)
740           : M_ENCSAV (procedure in DEMO.PRG)
741
742 *****
743 FUNCTION m_encvalid
744 * test validity of encounter
745 * encounter must have the following minimum attributes:
746 * IF EMPTY(patientid).OR. EMPTY(mdateenc).OR. EMPTY(mdateenc)
747     RETURN .F.
748 * encounter is missing some vital attributes
749 ENDIF
750 RETURN .T.
751 * encounter is valid
752
753 *****
754 Procedure: M_ENCGET
755 Called by: BATCHTEST() (function in DEMO.PRG)
756           : ENCLOS (procedure in DEMO.PRG)
757
758 Calls: POPUPSHOW() (function in U.PRG)
759       : LODENC (procedure in DEMO.PRG)
760       : M_ENCLOS (procedure in DEMO.PRG)
761       : AGEAT (procedure in DEMO.PRG)
762       : EDSEAGE (procedure in DEMO.PRG)
763       : POPUPHIDE() (function in U.PRG)
764
765 *****
766 FUNCTION m_encget
767 * resume previous encounter
768 * delay expected here ...
769 PRIVATE upopup
770 upopup = popupshow("Loading...")
771 enc_open = .T.
772 * loadenc(patientid)
773 * mdateenc()
774 * mdateenc()
775 * mdateenc()
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780 *****
794 Procedure: M_ENCNEW
795
796 Called by: ENCOUNTER
797
798 Calls: NEXTENCNT()
799
800 : AGEAT
801 : DELSYMPTOM
802 : DELDIAGNOS
803 : EDSEXAGE
804
805 *****
806 FUNCTION m_encnew
807
808 * start a new blank encounter
809
810 mncstate = "N"
811 mncountid = nextencnt()
812 mdateenc = DATE()
813 mtimeenc = TIME()
814 marea = 0
815 mdiagnosis = 0
816 mtrtment = ""
817 mage = ageat(mdateenc, mdatebirth)
818 * clear the list of symptoms/diagnoses for new encounter
819
820 -del symptom()
821 -del diagnosis()
822 -del sexage(mage, msex)
823
824 RETURN .T.
825
826 *****
827 * edit basic patient history details to working memory
828 *
829 *****
830 Procedure: EDSEXAGE
831
832 Called by: M_RESUME
833 : M_ENCGET
834 : M_ENCNEW
835
836 Calls: ADDHISTORY
837
838 *****
839 FUNCTION edsexage
840
841 PARAMETER mage, msex
842 PRIVATE mstr, mval
843 DIMENSION mstr(2), mval(2)
844 mstr(1) = "AGE"
845 mstr(2) = "SEX"
846 mval(1) = mage
847 mval(2) = msex
848 -addhistory(mstr, mval)
849
850 RETURN .T.
851
852 *****
853 Procedure: M_ENCNEW
854
855 Called by: BATCHTEST()
856 : M_COMPL
857 : M_ENCGET
858
859 (function in DEMO.PRG)
860 (procedure in DEMO.PRG)
861 (procedure in DEMO.PRG)
862

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DEMO.ACT 10-16-92 10:50s

```

857 *****
858 FUNCTION m_encrule
859
860 * load rulebase
861 =loadrule(marea)
862
863 RETURN .T.
864
865 *****
866 * Expert system inference engine ***
867
868 *****
869 * load a rulebase
870
871 *****
872 Procedure: LODRULE
873
874 Called by: M_ENCNEW
875
876 Calls: GETRULEBASE()
877
878 *****
879 FUNCTION lodrule
880
881 PARAMETERS marea
882
883 rulebase = getrulebase(marea, Actthreshld, Actthreshpro, Actthreshlik,
884 * mrules)
885
886 * If rules > 0
887 * DIMENSION statevecf(mrules), statevecq(mrules), fire(mrules)
888
889 * DIMENSION fire(mrules)
890 * DIMENSION ruleaction(mrules)
891
892 * statevecq = ""
893 * statevecf = ""
894 * fire = .F.
895 * ruleaction = 0
896 * agenda = .F.
897 * mrule = 1
898
899 RETURN .T.
900
901 *****
902 * test a rule set
903
904 *****
905 Procedure: TESTRULES
906
907 Called by: M_SSIST
908 : M_HANDOP
909
910 Calls: EVALCOMO
911
912 *****
913 FUNCTION testrules
914
915 PARAMETERS marea
916
917 PRIVATE mresult
918 PRIVATE msel
919 msel = SELECT()
920
921 => action

```

Page 7 of 37

```

908  IF agenda
909  => 22 test for agenda complete
910  SELECT rule
911  GOTO TOP
912  DO WHILE IEOF()
913  * test rules in salience (priority) order
914  * IF is rule
915  * * display rule for debugging
916  * * viewrule(mrule)
917  * * ENDIF
918  * * SELECT premise
919  * *
920  * * test premise clauses of rule
921  * * logical AND of all clauses
922  * * mresult = .T.
923  * *
924  * * SEEK rule->premise
925  * * DO WHILE clause = rule->premise
926  * * IF Ievalcond( OBJECT, ALLTRIM( STR(id) ), op, VAL ) 22
927  * *
928  * * mresult = .F.
929  * * EXIT
930  * * ENDIF
931  * * SKIP
932  * * ENDDO
933  * *
934  * * IF event = e_esc
935  * * * abort flag has been set
936  * * EXIT
937  * * ELSE
938  * * fire(mrule) = mresult
939  * * ruleaction(mrule) = rule->action
940  * *
941  * * ENDIF
942  * * SELECT rule
943  * * SKIP
944  * * ENDDO
945  * * IF event != e_esc
946  * * agenda = .T.
947  * * ENDIF
948  * * SELECT (mrule)
949  * * RETURN event
950  * *
951  * *
952  * * evaluate rule agenda
953  * *
954  * *
955  * *
956  * *
957  * *
958  * *
959  * *
960  * *
961  * *
962  * *
963  * *
964  * *
965  * *
966  * *
967  * *

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968  PRIVATE msel
969  msel = SELECT()
970  => action
971  PRIVATE maxrules
972  maxrules = ALEN(fire)
973  *SELECT rule
974  *SET ORDER TO 2
975  *SELECT action
976  *
977  *FOR mrule = 1 TO maxrules
978  *IF fire(mrule)
979  *SEEK mrule
980  *SELECT action
981  *
982  *SEEK ruleaction(mrule)
983  *DO WHILE clause = ruleaction(mrule)
984  *evalcond( OBJECT, ALLTRIM( STR(id) ), op, VAL ) 22
985  *SKIP
986  *ENDDO
987  *
988  *SELECT rule
989  *IF event = e_esc
990  *EXIT
991  *ENDIF
992  *NEXT
993  *
994  *SELECT RULE
995  *SET ORDER TO 1
996  *SELECT (msel)
997  *RETURN event
998  *
999  *
1000  *
1001  * return object's data type
1002  *
1003  *
1004  *
1005  *
1006  *
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1040  *

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(procedure in DEMO.PRG)

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1042 * : INVERTCOND (procedure in DEMO.PRG)
1043 *
1044 * Calls: MULFACTOR (procedure in DEMO.PRG)
1045 * : SETQ (procedure in DEMO.PRG)
1046 * : ASK (procedure in DEMO.PRG)
1047 *
1048 *****
1049 FUNCTION evalcond
1050
1051 PARAMETERS mobject, mid, mop, mval
1052 * mobject object type descriptor
1053 * mid object identifier
1054 * mop operation code
1055 * mval constant value
1056
1057 * Evaluate a clause of the form:
1058 * <objectid> <op> <val>
1059 * where:
1060 * <objectid> is the (composite) object identifier, consisting of
1061 * object + id. object is "S" or "M"
1062 * <op> is the operator: < > <= <= <= <= <=
1063 * relational: < > <= <= <= <= <=
1064 * assignment: =
1065 * <val> constant value
1066
1067 * ! NOTE!
1068 * ! This version handles only two object types (symptom, disease)
1069 * ! An enhanced version should handle any object type
1070 * ! and consult the appropriate segment of working memory.
1071 * ! Assumes that symptoms/diseases have already been loaded into W
1072 * ! memory prior to calling.
1073 * ! Requests value from user for uninstantiated symptom values.
1074
1075 PRIVATE mresult
1076 mresult = .F.
1077 -IF mop = "="
1078 * assignment operator
1079
1080 DO CASE
1081 * disease type: apply confidence factor computation
1082 * ! NOTE!
1083 * ! This version does only Bayesian (multiplicative)
1084 * ! confidence factors. An enhanced version should do more
1085 * ! (eg fuzzy, additive, etc). The method of
1086 * ! computation should be set as a parameter:
1087 * ! DO CASE
1088 * ! CASE cfmeth = "BAYES"
1089 * ! mulfactor(mid, VAL(mval))
1090 * ! CASE cfmeth = "ADDITIVE"
1091 * ! =incr(mid, mval)
1092 * ! CASE cfmeth = "FUZZY"
1093 * ! =fuzfactor(mid, mval)
1094 * ! ENDCASE
1095
1096 * symptom type: set qualifier value
1097 * =setq(mid, TRIM(mval))
1098
1099 ENDCASE
1100
1101 * relational operator
1102 PRIVATE xstr
1103 PRIVATE midem
1104 PRIVATE mitem
1105 PRIVATE mexact
1106 PRIVATE mtype
1107
1108
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CASE mobject = "M"
* disease object:
* ! NOTE! right now I don't know what to do with this!
* It is not currently required in any of the knowledge
* bases supported, but in general could be needed.
CASE mobject = "S"
* symptom object:
xstr = ""
IF mresult
mresult = ask(mid, Bxstr)
** object value
** get object value
**
* object has a defined value
mexact = SET("EXACT")
SET EXACT ON
mval = TRIM(mval)
* Assumes clause ==> dict relation is set
mtype = dict->datatype
DO CASE
CASE mtype = "M"
mresult = EVALUATE( xstr + mop + mval )
CASE mtype = "L" OR mtype = "E"
* Enumerated type or logical types
* quote operands
xstr = "" + xstr + " " + mval
mval = "" + mval + " " + mval
CASE mtype = "N"
mresult = EVALUATE( xstr + mop + mval )
* Multiple choice type
mresult = mval $ xstr
IF mresult
* check exact match
* extract names from qualifier
mresult = .F.
DO WHILE LEN(xstr) > 0
* find end of name item
N = AT(MCONCAT, xstr) - 1
IF N > 0
* get the item
mitem = LEFT(xstr, N)
ELSE
* take whole string
mitem = xstr
ENDIF
IF mitem = mval
mresult = .T.
EXIT
ENDIF
* exact match
EXIT
IF N <= 0
* no exact match
EXIT
ENDIF
* skip to next item
xstr = SUBSTR(xstr, N + 2 )
ENDDO
ENDIF
IF mexact = "OFF"
IF SET EXACT OFF
ENDIF
ENDIF
ENDIF
RETURN mresult
*
* .....
* undo rules

```



```

1297 *****
1299 Procedure: ASKDIAG
1300
1301 Called by: M_DIAG (procedure in DEMO.PRG)
1302
1303 Calls: DISEASECNT() (function in U.PRG)
1304 : DISEASECNT() (function in U.PRG)
1305 : GETDIAGLIST() (function in U.PRG)
1306
1307 *****
1308 FUNCTION askdiag
1309 PARAMETERS mdiagnois
1310
1311 PRIVATE names, M, ndis, mchoice, i
1312 M = diseasecnt()
1313 mchoice = ""
1314 IF M > 0
1315 DIMENSION names(n)
1316 ndis = dnames(names, marea)
1317
1318 i = 1
1319 IF i > 0, getdiaglist(names), 0 )
1320 IF i > 0
1321 * extract disease from chosen entry
1322 mchoice = names(i)
1323 ENDIF
1324 RETURN mchoice
1325
1326 *****
1327 * select diagnostic area
1328
1329 *****
1330 Procedure: GETDIAGAREA
1331 Called by: M_CMPL (procedure in DEMO.PRG)
1332 : M_DATA (procedure in DEMO.PRG)
1333
1334 Calls: AREACOUNT() (function in U.PRG)
1335 : AREANAMES() (function in U.PRG)
1336 : GETAREALIST() (function in U.PRG)
1337
1338 *****
1339 FUNCTION getdiagarea
1340
1341 * get list of diagnostic area choices
1342 PRIVATE names, M
1343
1344 M = areacount()
1345 DIMENSION areas(n), names(n)
1346 areanames(areas, names)
1347 i = getarealist(names)
1348
1349 RETURN IF(i > 0, areas(i), 0)
1350
1351 *****
1352 * get patient from file
1353
1354 *****
1355 PRIVATE M
1356 PRIVATE names
1357 PRIVATE mchoiceid
1358
1359 *****

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1362 *****
1363 Procedure: GETPATIENT
1364 Called by: M_PATLIST (procedure in DEMO.PRG)
1365
1366 Calls: PATCOUNT() (function in U.PRG)
1367 : PATNAMES() (function in U.PRG)
1368 : GETPATLIST() (function in U.PRG)
1369
1370 *****
1371 FUNCTION getpatient
1372 PARAMETERS mkey
1373
1374 * mkey is the search key:
1375 * if it is string numeric => social security number
1376 * otherwise => lastname
1377
1378 *****
1379 PRIVATE DELIM
1380 PRIVATE names, M, rpts, mchoice, i
1381 M = patcount()
1382 IF M > 0
1383 DIMENSION names(n)
1384 DELIM = ""
1385 rpts = patnames(names, DELIM, mkey)
1386
1387 * Get users choice from menu of names:
1388 * > 0 selected patient esn
1389 * -1 user aborted
1390 i = 1
1391 IF rpts > 0, getpatlist(mkey, names), 0)
1392 IF i > 0
1393 * extract socsec number from chosen entry
1394 mchoice = SUBSTR(names(i), 1, AT(DELIM, names(i)) - 1)
1395 IF mchoice = ""
1396 mchoice = ""
1397 ENDIF
1398 ELSE
1399 mchoice = ""
1400 ENDIF
1401 RETURN mchoice
1402
1403 *****
1404 * get previous patient encounter for processing/review
1405
1406 *****
1407 Procedure: GETENCNT
1408 Called by: ENCOUN (procedure in DEMO.PRG)
1409
1410 Calls: ENCOUNCNT() (function in U.PRG)
1411 : ENCOUNCNT() (function in U.PRG)
1412 : GETENCLIST() (function in U.PRG)
1413 : PATSID() (function in U.PRG)
1414
1415 *****
1416 FUNCTION getencnt
1417 PARAMETERS mpatientid, mdate
1418
1419 PRIVATE M
1420 PRIVATE names
1421 PRIVATE mchoiceid
1422
1423 *****

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```

1539 RETURN mcountid
1540
1541
1542 * Diagnostic assistance
1543 *
1544
1545
1546
1547
1548 Procedure: M_CHANGE
1549
1550 Calls: CHANGEQ (procedure in DEMO.PRG)
1551 : POPQ (procedure in DEMO.PRG)
1552 : M_UNDORULE (procedure in DEMO.PRG)
1553 : POPMESSAGE() (function in U.PRG)
1554
1555
1556
1557 FUNCTION m_change
1558 event = e_redo  ** redo current question
1559 IF equal > 1
1560 * change data, only if stack not empty
1561 * present choice of data to change
1562 mq = changeq(mqual-1)
1563 IF mq > 0
1564 * user made a selection
1565 *popq(mq) ** pop questions from stack
1566 event = e_goback
1567 ** m_undorule()
1568 ELSE
1569 *popmessage("This is first question")
1570 ENDIF
1571 RETURN .T.
1572
1573
1574 Procedure: M_UNDO
1575
1576 Calls: LASTQ (procedure in DEMO.PRG)
1577 : POPQ (procedure in DEMO.PRG)
1578 : M_UNDORULE (procedure in DEMO.PRG)
1579
1580
1581 FUNCTION m_undo
1582 * go back (remove most recent question from stack)
1583 mq = lastq()
1584 ** index of last question
1585 *popq(mq) ** pop previous question from stack
1586 ** m_undorule()
1587 RETURN .T.
1588
1589
1590 Procedure: M_UNDORULE
1591
1592 Called by: M_CHANGE (procedure in DEMO.PRG)
1593 : M_UNDO (procedure in DEMO.PRG)
1594
1595
1596 Calls: UNDORULES (procedure in DEMO.PRG)
1597
1598
1599 FUNCTION m_undorule
1600 *undorules()
1601 ** restore data from rule state vector
1602 ** reset state of qualifiers
1603 ** state of confidence factors
1604 ** reset rules fired
1605 ** begin at first rule
1606 mrule = 1

```

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1605 RETURN .T.
1606
1607
1608 Procedure: MYUNDO
1609
1610 Calls: UNDOMENU() (function in U.PRG)
1611
1612
1613
1614 FUNCTION myundo
1615 IF event = e_esc
1616 * user hit abort key during data entry
1617 ** popup menu
1618 event = undomenu()
1619 ENDIF
1620 RETURN event
1621
1622
1623
1624 * make a diagnosis
1625
1626
1627
1628 Procedure: MAKEDIAG
1629
1630 Called by: M_ASSIST (procedure in DEMO.PRG)
1631
1632
1633 Calls: NORMFACTOR (procedure in DEMO.PRG)
1634
1635
1636 FUNCTION makediag
1637 * NOTE!
1638 * This version does only Bayesian (multiplicative)
1639 * confidence factors. An enhanced version should do more
1640 * (eg fuzzy, additive, etc). The method of
1641 * computation should be set as a parameter:
1642 * I DO CASE
1643 * I CASE cfmethod = "BAYES"
1644 * normalize probabilities already calculated
1645 *normfactor()
1646 * I CASE cfmethod = "ADDITIVE"
1647 * I CASE cfmethod = "FUZZY"
1648 * I ENDCASE
1649 RETURN .T.
1650
1651
1652
1653 * get current patient info
1654
1655
1656
1657 Procedure: GETCURPAT
1658
1659 Called by: M_REGPAT (procedure in DEMO.PRG)
1660
1661
1662 FUNCTION getcurpat
1663 PARAMETERS mpid, mean, mlast, mfirst, mbirth, msex, mrate
1664
1665 * load patient details from global memory
1666 mpid = apatientid
1667 mean = mdocsec
1668 mlast = mlastname
1669 mfirst = mfirstname
1670

```

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```

1671 mbirth = mdatebirth
1672 max = msex
1673 mrate = mrate
1674 RETURN mpid
1675
1676 -----
1677 * set current patient info
1678 *
1679 *
1680 -----
1681
1682 Procedure: SETCURPAT
1683
1684 Called by: M_REGPAT (procedure in DEMO.PRG)
1685
1686 *****
1687 FUNCTION setcurpat
1688 PARAMETERS mpid, msn, mlast, mfirst, mbirth, msex, mrate
1689
1690 * save patient details in global memory
1691 mpatientid = mpid
1692 mlastsec = msn
1693 mlastname = mlast
1694 mfirstname = mfirst
1695 mdatebirth = mbirth
1696 msex = msex
1697 mrate = mrate
1698 RETURN mpatientid
1699
1700 * patient screen event procedures
1701
1702 * Select patient from browse list
1703 *****
1704
1705 Procedure: M_PATLIST
1706
1707 Called by: _G700ZD65J() (function in WK.SPR)
1708
1709 Calls: GETPATIENT (procedure in DEMO.PRG)
1710 : M_PATGET (procedure in DEMO.PRG)
1711
1712 *****
1713 PROCEDURE m_patlist
1714 PRIVATE newssn
1715 newssn = getpatient()
1716 IF EMPTY(newssn)
1717 mpatget(mpatientid, mlastsec, mlastname, mfirstname, mdatebirth
1718 : msex, mrate)
1719 RETURN
1720
1721 * GET Existing patient record from database
1722 *****
1723
1724 Procedure: M_PATGET
1725
1726 Called by: ENCOUNT (procedure in DEMO.PRG)
1727 : M_PATLIST (procedure in DEMO.PRG)
1728 : STENCOUNT (procedure in U.PRG)
1729
1730 Calls: PATGETINFO() (function in U.PRG)
1731 : ERRMESSAGE() (function in U.PRG)
1732
1733 *****
1734

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1735 FUNCTION m_patget
1736 PARAMETERS mpid, msn, mlast, mfirst, mbirth, msex, mrate
1737 PRIVATE mevent
1738 mevent = e_ok
1739 IF ipatgetinfo(mpid, msn, mlast, mfirst, mbirth, msex, mrate)
1740 * not found: - this should never happen!
1741 merrmessage("patient record not found [" + msn + "]", m)
1742 mevent = e_esc
1743 ENDIF
1744 RETURN mevent
1745
1746 * PUT updated patient record to database
1747 *****
1748
1749 Procedure: M_PATPUT
1750
1751 Called by: M_REGPAT (procedure in DEMO.PRG)
1752
1753 Calls: POPMESSAGE() (function in U.PRG)
1754 : ISVALIDSSN() (function in U.PRG)
1755 : PATPUTINFO() (function in U.PRG)
1756
1757 *****
1758 FUNCTION m_patput
1759 PARAMETERS mpid, msn, mlast, mfirst, mbirth, msex, mrate
1760 PRIVATE mevent
1761 mevent = e_ok
1762 IF IIF(TYPE("allow_new") = "U", .F., allow_new)
1763 * new patient not authorized
1764 mpopmessage("New patient not allowed", 5)
1765 mevent = e_esc
1766 ELSE
1767 * ensure patient exists
1768 IF IIF(VALIDSSN(msn) = "U", .F., allow_new)
1769 mpopmessage("patient not on file [" + msn + "]", m)
1770 mevent = e_esc
1771 ELSE
1772 * update record for patient
1773 mpatputinfo(mpid, msn, mlast, mfirst, mbirth, msex, mrate)
1774 ENDIF
1775 RETURN mevent
1776
1777 * PUT New patient record
1778 *****
1779
1780 Procedure: M_PATADD
1781
1782 Called by: M_REGPAT (procedure in DEMO.PRG)
1783
1784 Calls: POPMESSAGE() (function in U.PRG)
1785 : ISVALIDSSN() (function in U.PRG)
1786 : ADDPAT() (function in U.PRG)
1787 : NEWPATIENT() (function in U.PRG)
1788
1789 *****
1790 FUNCTION m_patadd
1791 PARAMETERS mpid, msn, mlast, mfirst, mbirth, msex, mrate
1792 PRIVATE mevent
1793 mevent = e_ok
1794 IF IIF(TYPE("allow_new") = "U", .F., allow_new)
1795 * new patient not authorized
1796 mpopmessage("New patient not allowed", 5)
1797 mevent = e_esc
1798 ELSE
1799 * ensure patient unique
1800 *****
1801

```

```

1802 IF invalidsn(msn)
1803   =pmessage("patient already on file ["n + msn + "])"
1804   event = e_esc
1805 ELSE
1806   * create record for new patient
1807   mpid = addpat()
1808   =newpatient(mpid,msn,mlast,mfirst,mbirth,msk,mrate)
1809   ** add patient id
1810 ENDIF
1811 RETURN mevent
1812
1813 *-----
1814 *
1815 * compute patient's age on given date
1816 *
1817 *-----
1818
1819 Procedure: AGEAT
1820
1821 Called by: M_RESUME      (procedure in DEMO.PRG)
1822           M_REGPAT      (procedure in DEMO.PRG)
1823           M_ENCGET      (procedure in DEMO.PRG)
1824           M_ENCNEW      (procedure in DEMO.PRG)
1825           WFAT          (procedure in DEMO.PRG)
1826
1827 *****
1828 FUNCTION ageat
1829 *****
1830 PARAMETERS mdate, mdatebirth
1831
1832 PRIVATE mage
1833 mage = YEAR(mdate) - YEAR(mdatebirth)
1834 IF MONTH(mdate) < MONTH(mdatebirth)
1835   mage = mage - 1
1836 ELSE
1837   IF MONTH(mdate) = MONTH(mdatebirth) .AND.
1838     DAY(mdate) < DAY(mdatebirth)
1839     mage = mage - 1
1840   ENDIF
1841 ENDIF
1842 IF mage < 16 OR mage > 79
1843   RETURN ""
1844 ENDIF
1845 RETURN LTRIM(STR(mage))
1846
1847 *-----
1848 *
1849 * add a diagnosis data element to the memory array
1850 *
1851 *-----
1852
1853 Procedure: ADDDIAGNOS
1854
1855 Called by: GETDIAGNOS()  (function in U.PRG)
1856           Cells: DEFACTOR (procedure in DEMO.PRG)
1857
1858 *****
1859 FUNCTION adddiagnos
1860 *****
1861 PARAMETERS dname, dval
1862
1863 PRIVATE mv, mn
1864 mn = ALLTRIM(dname)
1865 mv = dval
1866 RETURN defactor(mn, mv)
1867
1868 *****
1869 ** define data element in work

```

[illegible]

```

1931 Procedure: DELDIAGNOS
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Procedure: DELDIAGNOS

Called by: INITDIAGNOS()
: BATCTEST()
: M ENCHIEV
: L0ENEC

Calls: RESETDIAG
(procedure in DEMO.PRG)

FUNCTION deldiag
mdag = ""
resetdiag()
nextdiag = 1
RETURN ""

Procedure: RESETDIAG

Called by: M ASSIST
: DELDIAGNOS

FUNCTION resetdiag
mconf = 0
RETURN ""

LL reset diagnosis values

* delete all symptoms from memory

Procedure: DELSYMPTOM

Called by: INITSYMPTOM()
: BATCTEST()
: M ENCHIEV
: L0ENEC

FUNCTION delsymptom
mcondition = ""
mymovel = ""
qualstack = ""
redoal = ""
aqual = 1
nextqual = 1
RETURN nextqual

LL erase names
LL erase values
LL redo stack for qualifiers
LL next slot in list of conditions

* Increment confidence factor

Procedure: INCR
Called by: DECR

(procedure in DEMO.PRG)

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Calls: GETFACTOR
: SETFACTOR
(procedure in DEMO.PRG)
(procedure in DEMO.PRG)

FUNCTION incr
PARAMETERS matr, mincr
PRIVATE M
M = getfactor(matr)
RETURN setfactor(matr, M + mincr)

* Decrement confidence factor

Procedure: DECR

Calls: INCR
(procedure in DEMO.PRG)

FUNCTION decr
PARAMETERS matr, mincr
RETURN incr(matr, -mincr)

* Multiply confidence factor

Procedure: MULFACTOR

Called by: EVALCOMO
(procedure in DEMO.PRG)

Calls: FACTORID
(procedure in DEMO.PRG)

FUNCTION mulfactor
PARAMETERS matr, mval
PRIVATE M
PRIVATE I
I = factorid(matr) LL search for name of factor
M = mconf(I)
M = IIF(M = 0, M = mval, mval)
mconf(I) = M
RETURN M

LL rdd07
LL rdd07
LL rdd07
LL rdd07
LL rdd07

* Sum confidence factors

Procedure: SUMFACTOR

Called by: MOBSFACTOR
(procedure in DEMO.PRG)

FUNCTION sumfactor

```

2063 PRIVATE M
2064 PRIVATE I
2065 M = 0
2066
2067 FOR I = 1 TO nextdiag - 1
2068   M = M + mconf(i)
2069   LNEXT
2070
2071 RETURN M
2072
2073
2074
2075
2076 * Normalize confidence factors
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2078
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2089
2090
2091
2092 Procedure: NORMFACTOR
2093
2094 Called by: MAKEDIAG (procedure in DEMO.PRG)
2095
2096 Calls: SUMFACTOR (procedure in DEMO.PRG)
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2310 IF mtype = "X" .OR. !maskable
2311 * prepend meta symbol
2312 mq = "M" + mq
2313 ENDIF
2314 RETURN mq
2315
2316 *****
2317
2318 Procedure: LOOKUPM
2319
2320 Called by: STRCOND (procedure in DEMO.PRG)
2321
2322 Calls: DICTQ (function in U.PRG)
2323
2324 *****
2325
2326 FUNCTION lookuqm
2327
2328 PARAMETERS mid
2329 PRIVATE mq, mtype, maskable, mname
2330 * look up identifier in dictionary
2331 * return associated name
2332 mq = ""
2333 mname = ""
2334 maskable = .F.
2335 mtype = dictq(mid, maskable, mq, mname)
2336 IF !EMPTY(mtype)
2337 * IF mtype = "X" .OR. !maskable
2338 * prepend meta symbol
2339 mname = "M" + mname
2340 ENDIF
2341 RETURN mname
2342
2343 *****
2344
2345 * ask user for value of qualifier
2346
2347 *****
2348
2349 Procedure: ASK
2350
2351 Called by: M.REDOQ (procedure in DEMO.PRG)
2352 : EVALCOND (procedure in DEMO.PRG)
2353
2354 Calls: EVALQ (procedure in DEMO.PRG)
2355
2356 *****
2357
2358 FUNCTION ask
2359
2360 PARAMETERS mstr, mq
2361 * mstr is name of string qualifier
2362 * mq is previous/new value of qualifier
2363 * forces the question to be asked and the qualifier to be
2364 * instantiated.
2365 PRIVATE mresult
2366 IF event = e_esc
2367 * Note! the flag, event is set to e_esc by user hittin
2368
2369 * the abort key during data entry, but a rule may be i
2370 * middle of a complex expression evaluation. Therefore
2371 * code prevents any more questions until the end of th
2372 * rule.
2373
2374 *****

```

```

2372 *****
2373
2374 ELSE
2375 * ensure value is actually valid:
2376 mresult = !IF(event = e_esc, .F., .T.)
2377 ENDIF
2378 RETURN mresult
2379
2380 *****
2381
2382 * test qualifier mstr for occurrence of mval
2383
2384 *****
2385
2386 Procedure: ISO
2387
2388 Calls: EVALQ (procedure in DEMO.PRG)
2389
2390 *****
2391
2392 FUNCTION isoq
2393
2394 PARAMETERS mstr, mval
2395 * mstr is name of string qualifier
2396 * mval is string value to test
2397 PRIVATE mq, mresult
2398 PRIVATE N, mitem
2399 IF event = e_esc
2400 * Note! the flag, event is set to e_esc by user hittin
2401
2402 * the abort key during data entry, but a rule may be i
2403 * middle of a complex expression evaluation. Therefore
2404 * code prevents any more questions until the end of th
2405 * rule.
2406 mresult = .F.
2407 ELSE
2408 mq = evalq(mstr)
2409
2410 *****
2411
2412 mresult = mval $ mq
2413
2414 *****
2415
2416 IF mresult
2417 * partial match found, look for exact item
2418 mresult = .F.
2419 * extract names from qualifier
2420 DO WHILE LEN(mq) > 0
2421 N = AT(mconcat, mq) - 1
2422
2423 *****
2424
2425 IF N > 0
2426 mitem = LEFT(mq, N)
2427 ELSE
2428 mitem = mq
2429 ENDIF
2430 IF mitem = mval
2431 mresult = .T.
2432 ENDIF
2433 IF N <= 0
2434 EXIT
2435
2436 *****
2437
2438 ENDIF
2439 mq = SUBSTR(mq, N+2)
2440 ENDOO
2441
2442 *****
2443
2444 * skip to next item
2445
2446 *****

```



```

2554 mwidth = 0
2555 mdec = 0
2556 munits = ""
2557 IF dictq(dictid, amhi, amlo, amwidth, amdec, am
    => units)
2558 dth for data entry
2559 => pt, mhi, mlo, mwidth, mdec, munits, mname, mmsymptom, mprop
2560 ELSE
2561 mwidth = MAX(mwidth, 9)
2562 mdec = MAX(mdec, 9)
2563 munits = " "
2564 mname = " "
2565 mmsymptom = " "
2566 mprop = " "
2567 mdec = " "
2568 munits = " "
2569 mname = " "
2570 mmsymptom = " "
2571 mprop = " "
2572 mdec = " "
2573 munits = " "
2574 mname = " "
2575 mmsymptom = " "
2576 mprop = " "
2577 mdec = " "
2578 munits = " "
2579 mname = " "
2580 mmsymptom = " "
2581 mprop = " "
2582 mdec = " "
2583 munits = " "
2584 mname = " "
2585 mmsymptom = " "
2586 mprop = " "
2587 mdec = " "
2588 munits = " "
2589 mname = " "
2590 mmsymptom = " "
2591 mprop = " "
2592 mdec = " "
2593 munits = " "
2594 mname = " "
2595 mmsymptom = " "
2596 mprop = " "
2597 mdec = " "
2598 munits = " "
2599 mname = " "
2600 mmsymptom = " "
2601 mprop = " "
2602 mdec = " "
2603 munits = " "
2604 mname = " "
2605 mmsymptom = " "
2606 mprop = " "

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2607 *** Expected NEXT--Found ENDF
2608 *** Expected ENDF--Found ENDF
2609 *** Expected ENDF--Found ENDF
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2656 *** Expected ENDF--Found ENDF
2657 *** Expected ENDF--Found ENDF

```

```

2658 PARAMETERS matr, mval
2659 PRIVATE newval
2660 IF event <> e_esc
2661 * Hotel the flag, event is set to e_esc by user
2662 => hitting
2663 * the abort key during data entry, but a rule me
2664 * middle of a complex expression evaluation. The
2665 * code prevents any instantiations until the end
2666 * rule.
2667 i = qid(matr)  && get identifier for qualifier
2668 IF EMPTY(msynpval[i])
2669 * qualifier undefined, define new value
2670 msynpval[i] = mval
2671 ELSE
2672 IF LEN(mval) > 0 .AND. .NOT. mval $ msynpval[
2673 => i]
2674 * qualifier does not already contain this
2675 msynpval[i] = msynpval[i] + mconcat + mval
2676 ENDIF
2677 newval = msynpval[i]
2678 redoal[i] = newval  && save on redo
2679 ELSE
2680 * suppress instantiation, return null value
2681 newval = ""
2682 ENDIF
2683 RETURN newval
2684
2685
2686
2687 * Get Qualifier
2688
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2772 qualval[mqual] = mval
2773 mqual = mqual + 1
2774 ENDIF
2775 IF mexact = "OFF"
2776 SET EXACT OFF
2777 ENDIF
2778 RETURN mqual
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2842 * Procedure: POPQ
2843 * Called by: M_CHANGE
2844 * : M_UNDO
2845 * Calls: UNDOQUAL
2846 * (procedure in DEMO.PRG)
2847 *
2848 *
2849 *
2850 *****
2851 FUNCTION POPQ
2852 PARAMETERS N
2853 PRIVATE S
2854
2855 DO WHILE mqual > N .AND. mqual > 1
2856   * pop questions from stack
2857   mqual = mqual - 1
2858   s = qualstack[mqual]
2859   ** get qual
2860
2861   qualstack[mqual] = ""
2862   ** erase sta
2863   =undoqual(s + arrow + uval + eol) ** undefine
2864
2865   ENDDO
2866 RETURN mqual
2867
2868 *****
2869 *
2870 * Find last question on qualifier stack
2871 *
2872 *
2873 *****
2874
2875 Procedure: LASTQ
2876 Called by: M_UNDO
2877 Calls: LOOKUPQ
2878 (procedure in DEMO.PRG)
2879 (procedure in DEMO.PRG)
2880 *****
2881 FUNCTION Lastq
2882 PRIVATE I
2883 I = mqual - 1
2884 DO WHILE I > 0
2885   IF LEFT(lookupq(qualstack(I)), 1) != "g"
2886     V = EXIT
2887   ENDIF
2888   I = I - 1
2889 ENDDO
2890 RETURN I
2891
2892 *****
2893 *
2894 * Identify qualifier
2895 *
2896 *
2897 *****
2898
2899 Procedure: QID
2900 Called by: UNDOQUAL
2901 (procedure in DEMO.PRG)
2902
2903
2904

```

```

2905 * : EVALQ (procedure in DEMO.PRG)
2906 * : GETQ (procedure in DEMO.PRG)
2907 * : GETQ (procedure in DEMO.PRG)
2908 * : ERASEQ (procedure in DEMO.PRG)
2909 * : RESTOREQ (procedure in DEMO.PRG)
2910 * : ADDQ (procedure in DEMO.PRG)
2911 *
2912 * Calls: ERRMESSAGE() (function in U.PRG)
2913 *
2914 *****
2915 *****
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2947 *****

```

Procedure: ADDQ

Calls: QID

Function: ADDQ

Parameters: mstr

Private: i, saveq

If rule > 0

Only if there is an active rule

i = qid(mstr)

saveq = mstr + arrow + IF(EMPTY(msympval(i))

IF TYPE("statevecq[arule]") = "U"

statevecq[arule] = "U"

```

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3015 *****

```

Procedure: STRCOND

Calls: M RESUME

EDITCOND

CALLS: LOOKUPNAM

FUNCTION: STRCOND

PARAMETERS: mcond, mqid, mname, mval, DELIM

EXTERNAL ARRAY: mname

PRIVATE: i, j, N, DELIM

PRIVATE: mstr

IF PARAMETERS() = 4

DELIM = " "

END IF

N = nextqual - 1

live conditions

IF TYPE("mval(i)") = "U"

IF LEN(mval(i)) > 0

translate qualifier id to dictionary

mstr = lookupnam(mname(i))

IF LEFT(mstr, 1) = "H"

j = j + 1

mcond(j) = mstr + DELIM + mval(i)

END IF

END IF

NEXT

RETURN j

get diagnostic session results

```

3016 *|
3017 *| Procedure: SYNDIAG
3018 *|
3019 *| Called by: M.RESUME (procedure in DEMO.PRG)
3020 *| : _EDITASSIS (procedure in U.PRG)
3021 *|
3022 *| Calls: DISEASEMAN() (function in U.PRG)
3023 *|
3024 *****
3025 FUNCTION strdiag
3026 *****
3027 PARAMETERS msorted, mdlag, mconf, threshold,
3028 *****
3029 EXTERNAL ARRAY msorted
3030 *****
3031 PRIVATE i, DELIM, K, inserted, msorted, xnum
3032 *****
3033 DIMENSION mrank( nextdlag )
3034 *****
3035 inserted = 0
3036 *****
3037 DELIM = " "
3038 *****
3039 N = nextdlag - 1
3040 *****
3041 FOR i = 1 TO N
3042 *****
3043   = AINS(mrank, i)
3044 *****
3045   IF mconf[i] >= threshold .AND.
3046     IF( TYPE("limit") < "M", .T., .F. )
3047     *****
3048     * factor is within specified range
3049     * insert in ranked list
3050     K = 1
3051 *****
3052   DO WHILE K <= inserted
3053     * find slot in ranked list of factor
3054 *****
3055     IF mconf[i] >= mconf(mrank(k))
3056       * insert factor
3057       = AINS(mrank, k)
3058       EXIT
3059     * K = K + 1
3060 *****
3061   mrank(k) = 1
3062   inserted = inserted + 1
3063 *****
3064   ENDIF
3065   NEXT
3066 *****
3067 * output ranked list as string
3068 *****
3069 FOR i = 1 TO inserted
3070   K = mrank(i)
3071   msorted(i) = diseaseman( VAL( mdlag(k)
3072 *****
3073 ) )
3074 *****
3075   IF( PARAMETERS() = 6, ;
3076     DELIM = LTRIM( STR( mconf( k ), 6
3077 *****
3078 ) )
3079 *****
3080 RETURN inserted
3081 *****

```

```

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```

Procedure: STRNATURAL
 Calls: GETO
 : DICTREPORT()
 : SPLIT()
 Uses: PHRASE.DBF
 : SENTENCE.DBF
 : SECTION.DBF
 : REPORT.DBF
 Indexes: PHRASE.IDX
 : SENTENCE.IDX
 : SECTION.IDX
 : REPORT.IDX

FUNCTION STRNATURAL
 PARAMETERS marea
 PRIVATE mstr, xstr, ystr, zstr
 PRIVATE mid
 PRIVATE msection, mstatement, mabing
 PRIVATE msel
 msel = SELECT()
 ** save curr id database selection
 SELECT 0
 USE PHRASE INDEX PHRASE
 SELECT 0
 USE SENTENCE INDEX SENTENCE
 SET RELATION TO id INTO dict, id INTO ph
 SELECT 0
 USE SECTION INDEX SECTION
 SET RELATION TO sentence INTO sentence
 SELECT 0
 USE REPORT INDEX REPORT
 SET RELATION TO SECTION INTO SECTION
 SET FILTER TO area = marea
 GOTO TOP
 mstr = ""
 DO WHILE !EOF()
 msection = SECTION
 SELECT SECTION
 mabing = .1.
 ystr = ""
 DO WHILE SECTION = report->section
 * test controlling condition
 DO CASE
 CASE OBJECT = "S"
 mstr = GETQC ALLTRIM(STR(id


```

3227 *-----*
3228 *
3229 *
3230 * batch test system
3231 *
3232 *-----*
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3284 DO WHILE IEOF( )
3285 * Get next case from test file:
3286 event = e_ok
3287
3288 * reset event flag
3289
3290 * get id of case
3291
3292 * reset event flag
3293
3294 * get complaint area
3295
3296 * fake patient for test
3297
3298 * fake provider for test
3299
3300 * start a new encounter
3301
3302 * today's date
3303
3304 * current time is start of encounter
3305
3306 * empty provider's diagnosis
3307
3308 * empty treatment description
3309
3310 * clear the list of symptoms
3311
3312 * diagnoses for new encounter
3313
3314 * load rulebase
3315
3316 * translate the case data
3317
3318 * load the encounter
3319
3320 * calc diagnosis
3321
3322 * save the encounter
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DEMO-ACT 10-14-92 10:50a

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```

=> E mstr
4021 => ALEN(mdiag) msize
4022 => 10M mdiagname msize
4023 ""
4024 ""
4025 e = CHR(13)+CHR(10)
4026 => (mdagnosis)
4027 => diseasename(mdiagname)
4028 newline + newline + "expressions: " + IF( PROPER(mtemp))
4029 => en(mdiag) > 0
4030
4031 => getrulebase(marea, actthreshold, actthreshpro, actthreshlik)
4032 => strdiag(mdiagname, mdiag, mconf, cthreshold, m, is conf)
4033 mstr = mstr + newline + "Computer's suggested diagnoses: "
4034 FOR i = 1 TO ALEN(mdiagname)
4035 IF TYPE("mdiname(i)")="C"
4036 mstr = mstr + newline + trim(proper(mdiagname(i)))
4037 ELSE
4038 EXIT
4039 ENDIF
4040 ENDFOR
4041 mstr
4042
4043
4044 => rt treatment
4045 => rammer: HLL
4046
4047
4048
4049
4050
4051 Procedure: SFREPORT
4052 Called by: SFREPORT (procedure in DEMO.PRG)
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4059 => (mtreatment)
4060 => newline + newline + "plan:"
4061 mstr = newline + mtreatment
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4105	=> m_training	FUNCTION	4146	=> CREEN TO mscreen	SAVE S
4106	=> mtrain	PUBLIC	4147	=> E = "Backup CMD database"	MESSAG
4107	=> E startdir	PRIVAT	4148	=> elp("BACKUP")	-pushh
4108	=> .i.	mtrain	4149	=> kup.spr WITH MESSAGE	DO bac
4109	=> .i.	startd	4150	=> lpc()	-pophe
4110	=> ir = CUDIR()	-IF EMPTY	4151	=> E SCREEN FROM mscreen	RESTOR
4111	=> (GETENV("CMD"))	mdirda	4152	=> g("Backup")	=keylo
4112	=> ta = FULLPATH(GETENV("CMD"))	SET DE	4153	RETURN	RETURN
4113	=> FA TO (adiidata + "(training"))	-ELSE	4154		*-----
4114	=> FA TO training	SET DE	4155		* Rest
4115	=> lles()	ENDIF	4156	=> ore data files	* Prog
4116	=> ata = .i.	=openf	4157	=> rammer: HL	*-----
4117	=> t	named	4158		
4118	=> t	DO wpa	4159		
4119	=> t	-IF EMPTY	4160		
4120	=> (mpatientid)	=keylo	4161		
4121	=> g("Encounter Training Mode")	=a_enc	4162		
4122	=> ()	ENDIF	4163		
4123	=> files()	=flush	4164		
4124	=> FA TO (startdir)	SET DE	4165		
4125	=> .i.	mtrain	4166		
4126	=> .i.	RETURN	4167		
4127		*-----	4168		
4128		* Back	4169		
4129		* Prog	4170		
4130	=> up data files		4171		
4131	=> rammer: HL		4172		
4132			4173		
4133			4174		
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```

1 *****
2 Procedure file: C:\CAMD\WORK\DP.PRG
3
4 *****
5 System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6 Author: ROY DOBBINS and HOA LY
7 Copyright (c) 1992 NAVAL HEALTH RESEARCH CENTER
8 Last modified: 08/04/92 15:10
9
10 Set by: WP2.PRG
11 : WPAT (procedure in DEMO.PRG)
12 : SFSYMP (procedure in DEMO.PRG)
13 : WGETPATLIST (procedure in U.PRG)
14 : SEARCH (procedure in U.PRG)
15 : MORESEARCH (procedure in U.PRG)
16 : GETPATDATA (procedure in U.PRG)
17 : SAMSDATA (procedure in U.PRG)
18 : SAVREC (procedure in U.PRG)
19 : SFGGETPAT (procedure in U.PRG)
20 : WGETPATLIST (procedure in U.PRG)
21 : FILEFIND (procedure in U.PRG)
22 : RESULT (procedure in WPATS.PRG)
23 : :
24 : PATEDIT (procedure in WPATS.PRG)
25
26 ***** FoxDoc version 2.10 *****
27 *****
28 * Date: 08/04/92 10:01:15
29 * Program Name: Question.prg
30 * Author's Name: Hoa Le Ly
31 *
32 * Copyright (c) 1992 Company Name: NHRC
33 * Department: Code 22
34 * San Diego, CA 92138 - 5122
35 * Description: This program emulate $PIECE of MUMPS function. Which
36 * return the portion of string which is bounded by the characters in deli
37 * miter. If both
38 * expr and expr2 are present, the value returned includes all char
39 * s from the expr1-1th occurrence of delimiter, up to but not including
40 * the expr2th
41 * occurrence of delimiter. If expr2 is not present. It is assumed
42 * to have the same
43 * value as expr. If expr1 is not present. Then its value is assu
44 * me to be 1
45 * SYNTAX: DP(string, delimiter[,expr[,expr2]])
46 * PARAMETER: string: Character expression which character extract fro
47 * m
48 * delimiter: Character to delimiter
49 * expr: start of number occurrence of delimiter
50 * expr2: number of occurrence delimiter
51 * eg: string = "last, first age"
52 * 7dp(string,"",1) ==> last, first
53 * 7dp(string,"",1,2) ==> last, first age
54 *****
55 PARAMETER ms,mm,mp,mp2
56 PRIVATE ALL
57 DO CASE
58 -CASE PARAMETER() < 2
59 -RETURN ""
60 -CASE PARAMETER() = 2
61 -mp = 1
62

```

```

58 mp2 = -1
59 -CASE PARAMETER() = 3
60 -IF TYPE("mp") != ""
61 -RETURN ""
62 -ELSE
63 -IF mp < 1
64 -RETURN ""
65 -ENDIF
66 -ENDIF
67 mp2 = -1
68 -CASE PARAMETER() = 4
69 -IF TYPE("mp") != ""
70 -RETURN ""
71 -ENDIF
72 -IF TYPE("mp2") != ""
73 mp2 = IIF(mp >= mp2, -1, mp2)
74 -ELSE
75 mp2 = -1
76 -ENDIF
77 -ENDCASE
78 -IF TYPE("ms") != ""
79 ms = STR(ms)
80 -ENDIF
81 moccurs = OCCURS(mm,ms)
82 -IF moccurs = 0
83 -mp = I(mm)
84 -RETURN ms
85 -ELSE
86 mbegin = IIF(mp = 1, 1, (AT(mm,ms,(mp-1))+1))
87 -IF mp2 = -1
88 mrend = AT(mm,ms,mp) - 1
89 -IF mrend < 0
90 -IF mbegin > 1
91 mrend = LEN(ms)
92 -ELSE
93 -RETURN ""
94 -ENDIF
95 -ENDIF
96 -ELSE
97 mrend = AT(mm,ms,mp2) - 1
98 mrend = IIF(mrend < 0, LEN(ms), mrend)
99 -ENDIF
100 mstr = SUBSTR(ms, mbegin, (mrend - mbegin + 1))
101 RETURN mstr
102 *: EOF: DP.ACT
103

```

&& Return ms if
 && Return null if mp>1&

```

1 *****
2 Procedure file: C:\CAMD\WORK\ERRMSG.PRG
3
4 System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
5 Author: ROY DOBBINS and HOA LY
6 Copyright (c) 1992, NAVAL HEALTH RESEARCH CENTER
7 Last modified: 07/30/92 16:40
8
9 Set by: GETPAD.PRG
10 : BROWSEPAT (procedure in U.PRG)
11 : ERRHAND (procedure in U.PRG)
12 : FILEMISSING (procedure in SECHECK.PRG)
13
14 Documented 10/14/92 at 10:52 FoxDoc version 2.10
15 *****
16 * Open a message window
17 *
18 * ERRMSG( <exp>[, <expb>] )
19 *
20 PARAMETERS errmsg, timeout
21 PRIVATE ALL
22
23 * If no errmsg is sent then quit
24 IF PARAMETERS()=0
25 RETURN
26 ENDIF
27
28 * m.timeout is used in a WAIT TIMEOUT command
29 * to control the amount of time ERRMSG display's its message
30 * If no time limit is received set time to 0 wait forever
31
32 IF PARAMETERS()=1 OR EMPTY(m.timeout)
33 m.timeout=0
34 ENDIF
35
36 IF TYPE(m.timeout)='M'
37 m.timeout=INT(TYPE(m.timeout)*60)+INT(VAL(m.timeout)),0)
38 ENDIF
39
40 m.errmsg=IF(TYPE(m.errmsg)='C',"",m.errmsg)
41
42 IF PARAMETERS()=2 AND EMPTY(m.errmsg) AND m.timeout=0
43 RETURN
44 ENDIF
45
46 * set talk off
47 IF SET('TALK') = 'ON'
48 SET TALK OFF
49 savetalk = 'ON'
50 ELSE
51 savetalk = 'Off'
52 ENDIF
53
54 * Get the length of the message to size window
55 m.len=LEN(m.errmsg)
56
57 * Set minimum length for the Press any key
58 IF m.timeout=0
59 m.len=IF(m.len<28,28,m.len)
60 ENDIF
61
62 IF m.len > 70
63 m.errmsg=SUBSTR(m.errmsg,1,70)
64 m.len=70
65 ENDIF
66

```

```

67 * find begining/ending of the window
68 m.begin=40-(INT(m.len/2)+1)
69 m.end=40+(INT(m.len/2)+1)
70
71 * Remember the current window status
72 m.oldwindow=IF( VOUTPUT() = errmsg, "", VOUTPUT() )
73
74 * Create the window
75 DEFINE WINDOW errmsg FROM 20,m.begin TO 23,m.end COLOR SCHEME 7
76 ACTIVATE WINDOW errmsg
77
78 * Print the message centered in the window
79
80 CLEAR
81 @ 0, ( WCOL() - LEN( m.errmsg ) )/2 SAY m.errmsg
82
83 IF m.timeout = 0
84 m.pressedkey = "Press any key to continue"
85 @ 1, ( WCOL() - LEN( m.pressedkey ) )/2 SAY m.pressedkey
86 ENDIF
87
88 * Wait for the number of seconds in m.timeout
89 * A value of 0 will wait forever
90 WAIT == TIMEOUT m.timeout
91
92 * Close Window
93 RELEASE WINDOW errmsg
94
95 * If there was no output window originally
96 IF EMPTY( m.oldwindow )
97
98 * Send future output back to the screen
99 ACTIVATE SCREEN
100
101 ELSE
102
103 * Return output to the original window
104 ACTIVATE WINDOW ( m.oldwindow )
105 ENDIF
106
107 SET TALK &savetalk
108 RETURN
109 * EOF: ERRMSG.ACT
110

```

```

62 @ 2,col SAY ""
63 ELSE
64 @ 2,32 SAY SPACE(1)
65 ENDOF
66 tpasswd = SUBSTR(tpasswd,1,LEN(tpasswd) - 1)
67 LOOP
68 ENDOF
69 ENDOF
70 IF (LASTKEY() = 27) OR (LASTKEY() = 5) ) 22 ESC
71 mflag = .f.
72 EXIT
73 ENDOF
74 IF (key1 = 13)
75 IF UPPER(tpasswd) == UPPER(mpass)
76 msuccess = .t.
77 mflag = .f.
78 ELSE
79 msuccess = .f.
80 mtry = mtry + 1
81 IF mtry > 2
82 mflag = .f.
83 =errmsg("Invalid User, Try next time !!!!!",1)
84 ELSE
85 =errmsg("Invalid Password, Try again !",1)
86 CLEAR GETS
87 @ 2, 32 SAY SPACE(1)
88 tpasswd = []
89 tcol = 32
90 ENDOF
91 ELSE
92 tpasswd = tpasswd + CHR(key1)
93 @ 2,col SAY [" "] COLOR SCHEME 10
94 ENDOF
95 tcol = tcol + 1
96 ENDDO
97 DEACTIVATE WINDOW get_pwd
98 RELEASE WINDOW get_pwd
99 SET ESCAPE Escsc
100 SET TALK &talk
101 RETURN msuccess
102 *: EOF: GETPAD.ACT
103

```

```

*****
1  Procedure file: C:\CAMD\WORK\KEYLOG.PRG
2
3
4
5  System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6  Author: ROY DOBBINS and HOA LY
7  Copyright (c) 1992 NAVAL HEALTH RESEARCH CENTER
8  Last modified: 08/03/92 15:46
9
10 Set by: M PAT (procedure in DEMO.PRG)
11 : M_WELNC (procedure in DEMO.PRG)
12 : M_TRAINING (procedure in DEMO.PRG)
13 : BACKUP (procedure in DEMO.PRG)
14 : RESTORE (procedure in DEMO.PRG)
15 : M_LOOKUP (procedure in DEMO.PRG)
16 : M_DATA (procedure in DEMO.PRG)
17
18 Calls: FILEFIND (procedure in U.PRG)
19
20 Uses: KEYLOG.DBF
21
22 Indexes: KEY.IDX
23 : KEYDATE.IDX
24
25 Documented 10/14/92 at 10:52 FoxDoc version 2.10
26 *****
27 * keylog.prg
28 *
29 *
30 * Computer Assist Medical Diagnosis System
31 *
32 * Revision: 1.0 Date: 92/08/03 11:11:10
33 * Author: Hoa L. LY
34 *
35 *
36 * This procedure store every action to keylog.dbf.
37 *
38 * Keylog.dbf has index on action and date
39 *
40
41 PARAMETER maction
42 PRIVATE mrfind, msel
43 msel = SELECT()
44 mrfind = filefind('keylog.dbf')
45 IF mrfind
46 RETURN .F.
47 ENDIF
48 IF PARAMETER() > 0
49 SELECT 0
50 USE keylog AGAIN INDEX KEY, keydate
51 APPEND BLANK
52 REPLACE ACTION WITH maction
53 REPLACE DATE WITH DATE()
54 REPLACE TIME WITH TIME()
55 USE
56 ENDIF
57 SELECT (msel)
58 RETURN
59 * EOF: KEYLOG.ACT

```

```

1 *****
2 ** Procedure file: C:\CAMD\WORK\PADEDT.PRg
3 **
4 **
5 ** System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6 ** Author: ROY DOBBINS and HOA LY
7 ** Copyright (c) 1992, NAVAL HEALTH RESEARCH CENTER
8 ** Last modified: 07/29/92 9:25
9 **
10 ** Set by: GPOPPFLOY (procedure in CAMD.MPR)
11 ** : CAMDTR.MPR
12 ** Uses: SYSTEM.DBF
13 **
14 ** Documented 10/14/92 at 10:52 FoxDoc version 2.10
15 ** *****
16 **
17 **
18 ** * Validation the password. Is boolean returnable
19 **
20 **
21 PRIVATE ALL
22 IF SET("TALK") == "ON"
23 mtlalk = "ON"
24 ELSE
25 mtlalk = "OFF"
26 ENDIF
27 SET TALK OFF
28 startdir=FULLPATH(SYS(2003))
29 mpsdata = FULLPATH(GETENV("CAMD"))
30 mopath = SET("PATH")
31 mpath = startdir + ";" + mpsdata
32 ** files
33 SET PATH TO (mpath)
34 SELECT 0
35 USE SYSTEM AGAIN
36 mflag = "I."
37 mesc = SET("ESCAPE")
38 SET ESCAPE OFF
39 DEFINE WINDOW get_pwd FROM 10,1' TO 16,63 DOUBLE FLOAT NOCLOSE GROW 2
40 ** COLOR SCHEME 5
41 ACTIVATE WINDOW get_pwd
42 temp_pass = SPACE(8)
43 @ 2,7 SAY "ENTER NEW PASSWORD:"
44 CLEAR GETS
45 @ 2,33 GET temp_pass
46 @ 2,32 SAY SPACE(1)
47 tpasswr=I
48 tcol = 33
49 msuccess = .F.
50 mtry = 0
51 DO WHILE mflag
52 key1 = 0
53 DO WHILE key1 = 0
54 key1 = INKEY()
55 IF ( (LASTKEY() >= -9 .AND. LASTKEY() <= -1) OR (LASTKEY() = 16) )
56 ignore F2 to F10 and DEL key
57 key1 = 0
58 LOOP
59 ENDIF
60 IF LASTKEY() = 28 ** F1
61 **HELP PASSWORD
62 key1 = 0
63 LOOP
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07/20/92	Q2.SPR	10:01:15
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN. Return variable: Name of the file		

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REGION 1
PARAMETERS mfilename
IF PARAMETERS() = 0
  mfilename = ""
ENDIF

REGION 0
REGIONAL m.curarea, m.talkstat, m.compatat

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF

m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

WINDOW definitions

IF NOT VEXIST("w_prn")
  DEFINE WINDOW w_prn :
    FROM INT((SROW()-13)/2), INT((SCOL()-43)/2) :
    TO INT((SROW()-13)/2)+12, INT((SCOL()-43)/2)+42 :
    TITLE "Print question list" :
    FLOAT :
    NOCLOSE :
    SHADOW :
    DOUBLE :
    COLOR SCHEME 5
  ENDIF

```

W2 Setup Code - SECTION 2

```

REGION 1
PRIVATE mchoice, mprintfile, mfilename, i
mchoice = 1
mprintfile = mfilename

```

W2 Screen Layout

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REGION 1
IF WVISIBLE("w_prn")
  ACTIVATE WINDOW w_prn SAME
ELSE
  ACTIVATE WINDOW w_prn NOSHOW
ENDIF
@ 0,0 TO 3,40
@ 5,0 TO 8,40
@ 6,1 SAY "Filename:"
@ 6,11 GET mprintfile :
  SIZE 1,29 :
  DEFAULT " " :
  VALID q7101h8ot()
  PICTURE "a=HT OK;\?Cancel" :
  SIZE 1,8,5 :
  DEFAULT 1 :
  VALID q7101h8wd()
@ 1,24 GET mchoice :
  PICTURE "a=RVN File;Printer" :
  SIZE 1,11,0 :
  DEFAULT 1 :
  VALID q7101h94q()
@ 1,1 SAY "Print Encounter to:"

IF NOT WVISIBLE("w_prn")
  ACTIVATE WINDOW w_prn
ENDIF

READ CYCLE MODAL
RELEASE WINDOW w_prn

REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatat = "ON"
  SET COMPATIBLE ON
ENDIF
RETURN mprintfile

```

_Q7101H8OT Function Origin: From Screen: Variable: Called By: Object Type: Snippet Number:	mprintfile VALID W2, mprintfile VALID Clause Field 1	Record Number: 5
--	---	------------------

```

FUNCTION _q7101h8ot 44 mprintfile VALID

```

```

133 #REGION 1
134 mfilename = mprintfile
135 RETURN .T.
136
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```

_q710LH94d mbuttons VALID

Function Origin:

From Screen: 6
Variable: u2, mbuttons
Called By: VALID Clause
Object Type: Push Button
Snippet Number: 2

```

151 FUNCTION _q710LH94d 22 mbuttons VALID
152 IF mbuttons = 2
153     mprintfile = ""
154 ELSE
155     mprintfile = mfilename
156 ENDIF
157 RETURN
158
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```

_q710LH94q mchoice VALID

Function Origin:

From Screen: 7
Variable: u2, mchoice
Called By: VALID Clause
Object Type: Radio Button
Snippet Number: 3

```

173 FUNCTION _q710LH94q 22 mchoice VALID
174 #REGION 1
175 IF mchoice = 1
176     mprintfile = mfilename
177     CURSORJ = OBJNUM(mprintfile)
178 ELSE
179     mprintfile = "PRINT"
180 ENDIF
181 SHOW GETS
182 mfilename = mprintfile
183 RETURN .T.
184
185
186

```

*: EOF: 02.ACT

```

1  * Procedure file: C:\CAMD\WORK\QUESTION.PRG
2  *
3  *
4  *
5  * System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6  * Author: ROY DOBBINS and NOA LY
7  * Copyright (c) 1992 NAVAL HEALTH RESEARCH CENTER
8  * Last modified: 08/04/92 14:48
9  *
10 * Procs & Fncts: PRINTQUES()
11 * : WRITE
12 * : OPENFILE
13 *
14 * Set by: M_DATA (procedure in DEMO.PRG)
15 *
16 * Calls: Q2.PRG (function in QUESTION.PRG)
17 *
18 *
19 * Documented 10/14/92 at 10:52 FoxDoc version 2.10
20 *
21 * *****
22 * Date: 08/04/92 10:01:15
23 * Program Name: Question.prg
24 * Author's Name: Noe Le Ly
25 *
26 * Copyright (c) 1992 Company Name: MHRC
27 * Department: Code 22
28 * San Diego, CA 92138 - 5122
29 * Description: This program print out the list of question for each
30 * area input
31 * PARAMETER: area id (numeric type)
32 * *****
33
34 * PARAMETER area
35 * PUBLIC mprIntfile
36 *
37 * mprIntfile = ""
38 * mbuttons = 0
39 * muf = SET("DIFPARMS")
40 * SET LOFPARMS TO REFERENCE
41 * mprIntfile = q2(mprIntfile)
42 *
43 * IF mbuttons = 2
44 * RETURN
45 * ENDIF
46 * SET LOFPARMS TO &muf
47 *
48 * =printques(mprIntfile)
49 *
50 * CLOSE DATABASE
51 * RETURN
52 *
53 *
54 * write the question and it's alternate of reponse
55 *
56 *
57 *
58 *
59 *
60 *
61 * Procedure: WRITE
62 * Called by: PRINTQUES() (function in QUESTION.PRG)
63 * Calls: OPENFILE (procedure in QUESTION.PRG)
64 *
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```

```

74 *****
75 FUNCTION write
76 PRIVATE msel
77
78 *openfile()
79
80 SELECT area
81 SEEK (marea)
82 IF FOUND()
83 ? PADC(UPPER(name),80)
84 ?
85 ENDIF
86
87 SELECT area
88 SET RELATION TO area INTO rule
89 SET RELATION TO rule INTO dictval
90 SET RELATION TO dictval INTO dictval
91 SET FILTER TO area = marea
92 SET RELATION TO premise INTO premise, action INTO action
93
94 GO TOP
95 pid = 0
96
97 DO WHILE IEOF()
98 IF premise.id <> pid
99 mid = premise.id
100 SELECT dict
101 IF dict.askable
102 ? ALLTRIM(question)
103 DO CASE
104 CASE dict.datatype = "N"
105 SELECT enum
106 DO WHILE id = mid
107 ? SPACE(10) + ALLTRIM(enumerate)
108 SKIP
109 CASE dict.datatype = "M"
110 SELECT dictval
111 ? SPACE(10) + "Range" + SPACE(1) + ALLTRIM(STR(id)) + " t"
112 ALLTRIM(STR(hi)) + SPACE(1) + units
113 ENDCASE
114 ENDOF
115 pid = mid
116 ENDOF
117 SELECT rule
118 SKIP
119 ENDOF
120 RETURN
121
122 *
123 *
124 * open rule file
125 *
126 *****
127 Procedure: OPENFILE
128 Called by: WRITE (procedure in QUESTION.PRG)
129 Uses: AREA.DBF
130 : DICT.DBF
131 : VAL.DBF
132 : ENUM.DBF
133
134

```

```

195 SET PRINTER TO
196 SET CONSOLE ON
197 ENDIF
198 RETURN .T.
199
201 *: EOF: QUESTION.ACT

```

```

155 *|
156 *| : PREMISE.DBF
157 *| : ACTION.DBF
158 *| : RULE.DBF
159 *|
160 *| Indexes: AREA.IDX
161 *| : DICTID.IDX
162 *| : DICTNAME.IDX
163 *| : VAL.IDX
164 *| : ENLN.IDX
165 *| : PREMISE.IDX
166 *| : ACTION.IDX
167 *| : SALIENCE.IDX
168 *| : RULE.IDX
169 *|
170 *| *****
171 *| FUNCTION openfile
172 *| *****
173 *|
174 *| SELECT 0
175 *| USE area AGAIN INDEX area
176 *| SELECT 0
177 *| USE dict AGAIN INDEX dictid,dictname
178 *| SELECT 0
179 *| USE VAL AGAIN INDEX VAL ALIAS dictval
180 *| SELECT 0
181 *| USE enln AGAIN INDEX enln
182 *| SELECT 0
183 *| USE premise INDEX premise
184 *| SET RELATION TO id INTO dict
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28 *
29 >> files
30 --OO CASE
31 --CASE PARAMETERS() = 0
32 m.message = ""
33 m.wildcard = "*.zip"
34 ifname = ""
35 --CASE PARAMETERS() = 1 OR EMPTY(m.wildcard)
36 m.wildcard = "*.zip"
37 ifname = ""
38 --CASE PARAMETERS() = 2 OR EMPTY(m.filename)
39 ifname = ""
40 OTHERWISE
41 ifname = filename
42 --ENDCASE
43
44 #REGION 0
45 REGIONAL m.curarea, m.talkstat, m.compatstat
46
47 IF SET("TALK") = "ON"
48 SET TALK OFF
49 m.talkstat = "ON"
50 ELSE
51 m.talkstat = "OFF"
52 ENDIF
53 m.compatstat = SET("COMPATIBLE")
54 SET COMPATIBLE FOXPLUS
55
56 *
57 *
58 *
59 *
60 *
61 *
62 *
63 *
64 *
65 *

```

10/09/92	RESTORE.SPR	14:10:03
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRM.		
RESTORE Setup Code - SECTION 1		

```

#REGION 1
PARAMETERS MESSAGE, wildcard, filename
PRIVATE ifname, mpath, olddrive, predrive, oldpath, msection, mdrive,
--OO CASE
--CASE PARAMETERS() = 0
m.message = ""
m.wildcard = "*.zip"
ifname = ""
--CASE PARAMETERS() = 1 OR EMPTY(m.wildcard)
m.wildcard = "*.zip"
ifname = ""
--CASE PARAMETERS() = 2 OR EMPTY(m.filename)
ifname = ""
OTHERWISE
ifname = filename
--ENDCASE

```

Window definitions

```

IF NOT MEXIST("w.restore")
DEFINE WINDOW w.restore ;
FROM INT((ROW()-16)/2),INT((COL()-61)/2) ;

```

```

66 TO INT((SROW()-18)/2)+17,INT((SCOL()-61)/2)+60 ;
67 NOFLOAT ;
68 NOCLOSE ;
69 SHADOW ;
70 DOUBLE ;
71 COLOR SCHEME 5
72 ENDIF
73
74 *
75 *
76 *
77 *
78 *
79 *
80 *
81 #REGION 1
82 m.olddrive = SET("DEFAULT")
83 m.prevdribe = m.olddrive
84 m.olopath = CURDIR()
85 m.action = 1
86
87 DECLARE drivearray[1,1]
88 ndrive = 1
89 DO newdrivepop
90
91 DECLARE patharray[1,1]
92 mpath = 1
93 DO newpathpop
94
95 DECLARE ffilearray[1,1]
96 mfiles = 1
97 DO newffilepop
98
99
100 =closefiles()
101
102 *
103 *
104 *
105 *
106 *
107 *
108 *
109 *
110
111 #REGION 1
112 IF UNVISIBLE("w_restore")
113     ACTIVATE WINDOW w_restore SAME
114 ELSE
115     ACTIVATE WINDOW w_restore NOSHOW
116 ENDIF
117 @ 2,40 GET ndrive ;
118 PICTURE "g";
119 FROM drivearray ;
120 SIZE 3,18 ;
121 DEFAULT 1 ;
122 WHEN _qrOut7ma();
123 VALID _qrOut7m5();
124 COLOR SCHEME 5, 6
125 @ 6,28 SAY "Directory:";
126 @ 0,0 SAY MESSAGE ;
127 SIZE 1,40
128 @ 5,40 GET mpath ;
129 PICTURE "g";
130 FROM patharray ;
131 SIZE 3,18 ;

```

```

132  DEFAULT 1;
133  VALID cprbud38();
134  COLOR SCHEME 5, 6;
135  @ 9,45 GET maction;
136  PICTURE "a-vt \(\-restore;\-Cancel";
137  SIZE 1,9,1;
138  DEFAULT 1;
139  VALID cprbud37();
140  @ 2,1 GET mfile;
141  PICTURE "a-vt \(\-restore;\-Cancel";
142  FROM filearray;
143  SIZE 11,26;
144  DEFAULT 1;
145  VALID cprbud32();
146  COLOR SCHEME 6;
147  @ 14,19 GET mfname;
148  SIZE 1,39;
149  DEFAULT 1;
150  VALID cprbud30();
151  @ 14,0 SAY "restore file name: ";
152  @ 3,28 SAY "from drive: ";
153  [IF NOT MWISIBLE("restore")
154  ACTIVATE WINDOW "w_restore"
155  ENDIF]
156
157  READ CYCLE MODAL
158  RELEASE WINDOW w_restore
159
160  #REGION 0
161  IF m.talkstat = "ON"
162  SET TALK ON
163  ENDIF
164  IF m.compstat = "ON"
165  SET COMPATIBLE ON
166  ENDIF
167
168  *
169  *
170  *
171  *
172  *
173  *
174  *
175  *
176  *
177  #REGION 1
178  SET DEFAULT TO (m.olddrive + m.oldpath)
179  RETURN
180
181  *****
182  *****
183  *****
184  *****
185  *****
186  *****
187  *****
188  *****
189  *****
190  *****
191  *****
192  *****
193  *****
194  *****
195  *****
196  *****
197  *****

```

RESTORE Cleanup Code

```

198  m.olddrive = ON( "ERROR" )
199  m.error = .F.
200  ON ERROR m.error = .T.
201
202  * Create the array of legal drive names
203  DECLARE drivearray[ 1 ] = ""
204  drivearray[ 1 ] = ""
205
206  * Loop from A to Z
207  m.driveName = "A"
208  FOR i = 1 TO 26
209
210  * Try to switch to the drive
211  SET DEFAULT TO (m.driveName)
212
213  * If it worked
214  IF NOT m.error
215
216  * Add the name to the last element in the array
217  drivearray[ ALEN( DriveArray ) ] = m.driveName + " "
218
219  * Add another element at the end of the array
220  DECLARE drivearray[ ALEN( DriveArray ) + 1 ]
221  ENDIF
222
223  * Change to the next letter in the alphabet
224  m.driveName = CHR( ASC( m.driveName ) + 1 )
225
226  * Reset the error trap
227  m.error = .F.
228  NEXT
229
230  * If the first element is empty, no drives were found
231  IF EMPTY( drivearray[ 1 ] )
232  SHOW GET m.drive disabled
233  ELSE
234  * Drives were found so cut off the last empty element
235  * added to the array in the loop
236  DECLARE drivearray[ ALEN( DriveArray ) - 1 ]
237  ENDIF
238
239  * Reset the error trap and return to home
240  ON ERROR &olddrive
241  SET DEFAULT TO (m.olddrive)
242
243  * Initialize the popup variable to the element in the
244  * drive array which contains the current drive
245  mdrive = ASCAN( drivearray, m.olddrive )
246  RETURN
247
248  *****
249  *****
250  *****
251  *****
252  *****
253  *****
254  *****
255  *****
256  *****
257  *****
258  *****
259  *****
260  *****
261  *****
262  *****
263  *****

```

```

264 m.dirstring = CURDIR( )
265
266 * If we are not in the root directory
267 IF LEN( m.dirstring ) > 1
268
269 * Start parsing the path string for each directory name
270 m.dircount = 1
271
272 * Continue as long as there is a pair of slashes
273 * Surrounding the next part of the string
274 DO WHILE AT( "\", m.dirstring, m.dircount ) <> 0 AND ;
275 AT( "\", m.dirstring, m.dircount + 1 ) <> 0
276
277 * Add another element at the end of the array
278 DECLARE patharray[ m.dircount + 1 ]
279
280 * Cut out the next set of characters between the slashes
281 m.firstchar = AT( "\", m.dirstring, m.dircount ) + 1
282
283 m.pathlength = AT( "\", m.dirstring, m.dircount + 1 ) ;
284 - m.firstchar
285
286 * And add them to the next array element
287 patharray[ m.dircount + 1 ] = SUBSTR( m.dirstring, ;
288 m.firstchar, m.pathlength )
289
290 * Look for the next directory name in the path string
291 m.dircount = m.dircount + 1
292
293 *****
294
295 * Point the popup variable at the last element in the array
296 mpath = ALEN( patharray )
297 RETURN
298
299 *****
300 PROCEDURE newfilepop
301 *****
302
303 * Create a popup with all of the file names and its subdirection in t
304 => he current directory
305 * This will be based on an array as well
306
307 * Create an array with all the files matching the current wild card
308 * ADIR( ) creates an array with 5 columns.
309
310 PRIVATE startsort
311 * Fill an array with directory names only
312 =ADIR( dirarray, "", "d")
313 SIZE = ALEN( dirarray, 1 )
314 IF dirarray[ 1, 1 ] = "."
315 =ADEL( dirarray, 1 )
316 SIZE = SIZE - 1
317 DECLARE dirarray[ size, 5 ]
318 ELSE
319 * We must be in the root directory "\
320 * Add one more row to the directory array
321 SIZE = SIZE + 1
322 DECLARE dirarray[ size, 5 ]
323
324 * Push all the rows down by one
325 =AINS( dirarray, 1 )
326
327 * fill in the first directory name in the array
328 * a bug in the popups makes it refuse to display a

```

RESTORE.AC1 10-14-92 10:52a

```

329
330 * prompt of "\", use "\\" to make one \ appear
331 * even then the bar will automatically be non-selectable
332 * which in this case is fine
333 dirarray[ 1, 1 ] = "\\"
334
335 * Start the sort after the root name
336 ENDIF
337
338 IF ALEN( dirarray, 1 ) > 2
339
340 * Sort the array starting at the starting row
341 =ASORT( dirarray, AELEMENT( dirarray, 2, 1 ) )
342
343 ENDIF
344
345 FOR i = 1 TO ALEN( dirarray, 1 )
346 dirarray[ i, 1 ] = "[" + dirarray[ i, 1 ] + "]"
347
348 ENDFOR
349
350 IF ADIR( filearray, m.wildcard ) = 0
351 SIZE = ALEN( dirarray, 1 )
352 DECLARE filearray[ size + 1, 5 ]
353 =ACOPY( dirarray, filearray )
354 ELSE
355 stop = ALEN( dirarray, 1 )
356 FOR i = 1 TO stop
357 SIZE = ALEN( filearray, 1 )
358 DECLARE filearray[ size + 1, 5 ]
359 =AINS( filearray, 1 )
360 filearray[ i, 1 ] = dirarray[ ALEN( dirarray, 1 ), 1 ]
361 IF ALEN( dirarray, 1 ) > 1
362 DECLARE dirarray[ ALEN( dirarray, 1 ) - 1, 5 ]
363
364 ENDIF
365 ENDIF
366 mfile = 1
367 RETURN
368
369 *****
370 FUNCTION pathstring
371 *****
372 * Convert an array of subdirectories, such as PathArray,
373 * into a legal path string for use with SET DEFAULT
374 * Use the current value of the path popup as the
375 * ending point on the path
376 PRIVATE ppath
377
378 * Start with the drive name
379 m.ppath = patharray[ 1, 1 ]
380
381 * If the path popup is pointing to a subdirectory
382 IF mpath > 1
383
384 * Add all the subdirectories to the path string
385 FOR i = 2 TO mpath
386 m.ppath = m.ppath + "\" + patharray[ i, 1 ]
387
388 NEXT
389
390 * End the path with one last slash for good luck
391 m.ppath = m.ppath + "\"
392 RETURN m.ppath
393
394 *****
395 PROCEDURE pkmzip
396 *****

```

Page 3 of 5

```

395 PRIVATE CURDIR, datadir, msel
396 IF EMPTY(GETENV("CAMOUTIL"))
397 DO setpath WITH GETENV("CAMOUTIL")
398 ENDIF
399 CURDIR = FULLPATH(CURDIR())
400 IF EMPTY(GETENV("CAM"))
401 datadir = FULLPATH(GETENV("CAM"))
402 ELSE
403 datadir = CURDIR()
404 ENDIF
405 desdir = pathstring() + mfname
406 SET DEFA TO (datadir)
407 msel = SELECT()
408 SELECT 0
409 USE backup AGAIN
410 COPY TO t0000000.txt TYPE SDF
411 IF EMPTY(GETENV("CAMOUTIL"))
412 pkzipcom = "j" + GETENV("CAMOUTIL") + "\PKUNZIP -O &desdir &curdir &t0000000
413 => 00.txt"
414 ELSE
415 pkzipcom = "PKUNZIP -O &desdir &t0000000.txt"
416 ENDIF
417 &pkzipcom
418 USE
419 DELETE FILE t0000000.txt
420 SET DEFA TO (CURDIR)
421 RETURN
422 *
423 *
424 *
425 *
426 *
427 *
428 *
429 *
430 *
431 *
432 *
433 *
434 *
435 *
436 *
437 FUNCTION _qR0ud7na 22 mdrive WHEN
438 #REGION 1
439 m.prevdribe = mdrive
440 *
441 *
442 *
443 *
444 *
445 *
446 *
447 *
448 *
449 *
450 *
451 *
452 *
453 *
454 *
455 *
456 *
457 *
458 *
459 *

```

_qR0ud7na mdrive WHEN

Function Origin:

From Screen: RESTORE, Record Number: 2

Variable: mdrive

Called By: WHEN Clause

Object Type: Popup

Snippet Number: 1

_qR0ud7u5 mdrive VALID

Function Origin:

From Screen: RESTORE, Record Number: 2

Variable: mdrive

Called By: VALID Clause

Object Type: Popup

Snippet Number: 2

```

459 *Switch to the selected drive
460 FUNCTION _qR0ud7u5 22 mdrive VALID
461 #REGION 1
462 PRIVATE newdrive, mready

```

```

460 *Convert the popup bar number into the matching drive name
461 m.newdrive = drivearray[mdrive]
462 *
463 *
464 *
465 *
466 IF UPPER(m.newdrive) $ "A:B:"
467 mready = yesno("Please insert disk into drive " + m.newdrive, "rea
468 cancel(")
469 ELSE
470 mready = .T.
471 ENDIF
472 IF mready
473 *Go there and reset all the other popups to match
474 SET DEFAULT TO (m.newdrive)
475 DO newpathpop
476 DO newfilepop
477 ELSE
478 mdrive = m.prevdribe
479 m.newdrive = drivearray[mdrive]
480 ENDIF
481 SHOW GETS
482 *
483 *
484 *
485 *
486 *
487 *
488 *
489 *
490 *
491 *
492 *
493 *
494 *
495 FUNCTION _qR0ud868 22 mpath VALID
496 #REGION 1
497 m.newdefault = pathstring()
498 SET DEFAULT TO (m.newdefault)
499 DO newpathpop
500 DO newfilepop
501 SHOW GETS
502 *
503 *
504 *
505 *
506 *
507 *
508 *
509 *
510 *
511 *
512 *
513 *
514 *
515 *
516 *
517 FUNCTION _qR0ud8g7 22 maction VALID
518 #REGION 1
519 DO CASE
520 CASE maction = 1
521 IF FILE(mfname)
522 DO pkunzip
523 ENDIF
524 OTHERWISE
525 ENDCASE

```

_qR0ud868 mpath VALID

Function Origin:

From Screen: RESTORE, Record Number: 5

Variable: mpath

Called By: VALID Clause

Object Type: Popup

Snippet Number: 3

_qR0ud8g7 maction VALID

Function Origin:

From Screen: RESTORE, Record Number: 6

Variable: maction

Called By: VALID Clause

Object Type: Push Button

Snippet Number: 4


```

525 *
526 *
527 *
528 *
529 *
530 *
531 *
532 *
533 *
534 *
535 *
536 *
537 *
538 *
539 *
540 FUNCTION _qPr0ud8p2 22 mfile VALID
541 #REGION 1
542 mnewfile = filearray(mfile,1)
543 IF "(" $ mnewfile
544   mnewpath = SUBSTR(mnewfile,2,LEN(mnewfile)-2)
545   SET DEFA TO (mnewpath)
546   DO newpathpop
547   DO newfilepop
548   SHOW GETS
549 ELSE
550   mfname = mnewfile
551   SHOW GETS
552 ENDIF
553 *
554 *
555 *
556 *
557 *
558 *
559 *
560 *
561 *
562 *
563 *
564 *
565 *
566 *
567 *
568 FUNCTION _qPr0ud8zo 22 mfname VALID
569 #REGION 1
570 IF IEMPTY(mfname)
571   IF IFILE(mfname)
572     mfname = ""
573   ENDIF
574 ENDIF
575 *: EOF: RESTORE.AC1
576

```

_qPr0ud8p2 mfile VALID

Function Origin:

From Screen: RESTORE, Record Number: 7

Variable: mfile

Called By: VALID Clause

Object Type: List

Snippet Number: 5

_qPr0ud8zo mfname VALID

Function Origin:

From Screen: RESTORE, Record Number: 8

Variable: mfname

Called By: VALID Clause

Object Type: Field

Snippet Number: 6

```

1 *****
2 **
3 ** Procedure file: C:\CAMD\WORK\SECHECK.PRG
4 **
5 ** System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6 ** Author: ROY DOBBINS and MOA LY
7 ** Copyright (c) 1992, NAVAL HEALTH RESEARCH CENTER
8 ** Last modified: 09/03/92 12:01
9 **
10 ** Procs & Fncts: GETSYSCODE()
11 ** : SYSWARN()
12 ** : SYSCLAIM()
13 ** : FILEMISSING
14 **
15 ** Set by: DEMO.PRG
16 **
17 ** Calls: GETSYSCODE() (function in SECHECK.PRG)
18 ** : SYSWARN() (function in SECHECK.PRG)
19 ** : GETPWD.PRG
20 ** : BIGCHARS.PRG
21 ** : SYSCLAIM() (function in SECHECK.PRG)
22 **
23 ** Documented 10/14/92 at 10:52 FoxDoc version 2.10
24 ** *****
25 **
26 ** * Security check for user
27 **
28 ** PUBLIC msyswarn, mprivateact, mdiscclaim, mpassword
29 ** PRIVATE moldpath, mpath
30 ** IF SET("TALK")="ON"
31 ** SET TALK OFF
32 ** mtalk = "ON"
33 ** ELSE
34 ** mtalk = "OFF"
35 ** ENDOF
36 **
37 ** startdir=FULLPATH(SYS(2003))
38 ** mpsdata = FULLPATH(GETENV("CAMD"))
39 ** moldpath = SET("PATH")
40 ** mpath = startdir + ";" + mpsdata
41 **
42 ** SET PATH TO (mpath)
43 ** =getsyscode(amsyswarn, amprivateact, amdiscclaim, ampassword)
44 ** msyswin=msyswarn(msyswarn)
45 ** muservalid = getpwd(mpassword)
46 ** RELEASE WINDOW amsyswin
47 ** IF muservalid
48 ** =bigchars(6,17,"CAMD".6)
49 ** =sysclain(mdiscclaim)
50 ** ENDOF
51 ** SET PATH TO (moldpath)
52 **
53 ** SET TALK &mtalk
54 ** RETURN muservalid
55 **
56 ** * Print warning text to screen
57 **
58 ** *****
59 **
60 ** Function: SYSWARN()
61 **
62 ** *****

```

```

68 **
69 ** Called by: SECHECK.PRG
70 ** *****
71 **
72 ** FUNCTION syswarn
73 ** PARAMETER msyswar
74 ** IF PARAMETER() = 0
75 ** RETURN
76 ** ENDOF
77 **
78 ** mtext = msyswar
79 ** DEFINE WINDOW syswarn FROM 1,0 TO 6,76 NOFLOAT NOCLOSE COLOR SCHEME 7
80 ** ACTIVATE WINDOW syswarn SAME
81 ** @ 0,1 SAY mtext ;
82 ** SIZE 4,73
83 ** RETURN "syswarn"
84 **
85 ** *
86 ** * Get system security text and password
87 ** *
88 ** *****
89 **
90 ** Function: GETSYSCODE()
91 **
92 ** Called by: SECHECK.PRG
93 **
94 ** Calls: FILEMISSING (procedure in SECHECK.PRG)
95 **
96 ** Uses: SYSTEM.DBF
97 **
98 ** *****
99 **
100 ** FUNCTION getsyscode
101 ** PARAMETER mwarn, mprivate, mdisc, mpass
102 ** msel = SELECT()
103 ** IF NOT USED("SYSTEM")
104 ** IF NOT FILE("system.dbf")
105 ** ON ERROR DO filemissing
106 ** msel = LOCFILE("SYSTEM", "DBF", "Locate File SYSTEM.DBF")
107 ** ENDOF
108 ** ON ERROR
109 ** SELECT 0
110 ** USE SYSTEM
111 ** ELSE
112 ** SELECT SYSTEM
113 ** ENDOF
114 ** mwarn = syswarn
115 ** mprivate = syswarn
116 ** mdisc = syswarn
117 ** mpass = syswarn
118 ** USE
119 ** SELECT (msel)
120 ** RETURN .T.
121 **
122 ** * Error for filemissing
123 **
124 ** *****
125 **
126 ** Procedure: FILEMISSING
127 **
128 ** Called by: GETSYSCODE() (function in SECHECK.PRG)
129 **
130 ** Calls: ERRMSG.PRG
131 ** *****

```

```

132 *|*****
124 PROCEDURE filemissing
125   errmsg("file missing !!!!!!!")
126 ON ERROR
127   CANCEL
128   RETURN
129
130 *-----
131 * System disclaimer
132 *-----
133 *|*****
134 *|*****
135 *|*****
136 *|*****
137 *|*****
138 *|*****
139 *|*****
140 *|*****
141 *|*****
142 *|*****
143 *|*****
144 *|*****
145 *|*****
146 *|*****
147 *|*****
148 *|*****
149 *|*****
150 *|*****
151 *|*****
152 *|*****
153 *|*****
154 *|*****
155 *|*****
156 *|*****
157 *|*****
158 *|*****
159 *|*****
160 *|*****
161 *|*****
162 *|*****
163 *|*****
164 *|*****
165 *|*****
166 *|*****
167 *|*****
168 *|*****
169 *|*****
170 *|*****

```

Function: SYSCLAIM()

Called by: SECHECK.PRG

FUNCTION sysclaim

PARAMETER m.txt

IF NOT EXIST("w_claim")

DEFINE WINDOW w_claim

FROM INT((SROW()-22)/2),INT((SCOL()-79)/2) ;

TO INT((SROW()-22)/2)+1,INT((SCOL()-79)/2)+78 ;

NOFLOAT ;

NOCLOSE ;

SHADOW ;

DOUBLE ;

COLOR SCHEME 1

END IF

IF WVISIBLE("w_claim")

ACTIVATE WINDOW w_claim SAME

ELSE

ACTIVATE WINDOW w_claim NOSHOW

END IF

@ 0,0 EDIT m.txt ;

PICTURE "a1" ;

SIZE 18,77,0 ;

DEFAULT " " ;

NO MODIFY ;

SCROLL

ACTIVATE WINDOW w_claim

WAIT

CLEAR GETS

RELEASE WINDOW w_claim

RETURN

*: EOF: SECHECK.ACT

```

1 *****
2
3 Procedure file: C:\CAMD\WORKU.PRQ
4
5 System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
6 Author: ROY DOBBINS and HOA LY
7 Copyright (c) 1992, NAVAL HEALTH RESEARCH CENTER
8 Last modified: 10/13/92 10:21
9
10 Procs & Fncts: USERINIT()
11 : POPUPSHOW()
12 : POPUPHIDE()
13 : OPENFILES()
14 : MAINMENU()
15 : USERCLOSE()
16 : GETEXAREA()
17 : DISEASENAH()
18 : ENCTITLE()
19 : WCONFIRM()
20 : PATID()
21 : FLUSHFILES()
22 : POPMESSAGE()
23 : DISEASEID()
24 : PATSSN()
25 : ADDENCT()
26 : NEWENCT()
27 : PUTENCT()
28 : PUTSYMPTOM()
29 : PUTDIAGNOS()
30 : NEXTENCT()
31 : GETRULEBASE()
32 : DISEASECNT()
33 : DISNAME()
34 : GETDISLIST()
35 : AREACOUNT()
36 : AREANAMES()
37 : GETAREALIST()
38 : PATCOUNT()
39 : PATNAMES()
40 : GETPATLIST()
41 : ENCCOUNT()
42 : ENCNAMES()
43 : GETENCLIST()
44 : GETSTATION()
45 : ENGETINFO()
46 : GETDIAGNOS()
47 : GETSYMPTOM()
48 : UNDERMENU()
49 : PATGETINFO()
50 : ERRMESSAGE()
51 : ISVALIDSSN()
52 : PATPUTINFO()
53 : ADPAT()
54 : NEWPATIENT()
55 : DICTONAME()
56 : DICTCOUNT()
57 : DICTQ()
58 : DICTOV()
59 : EDNUM()
60 : EDBOOK()
61 : DICTECOUNT()
62 : DICTRE()
63 : EDCHECK()
64 : CHANGELIST()
65 : DICTREPORT()
66 : SPLIT()

```

```

67 : WCHOICE
68 : GETDISLOOKUPLIST
69 : EDLIST
70 : EDHECK
71 : SETCHECK
72 : _EVALID
73 : _EDITCOMO
74 : _EDITVOTAG
75 : _EDITCOMPL
76 : _EDITDIAG
77 : _EDITNAMOP
78 : _EDITASSIS
79 : _EDITTREAT
80 : _RELEASE
81 : _PRINTENC
82 : _STOPREAD
83 : _RYHANDLER
84 : _MHIT
85 : _QUIT
86 : _PVALID
87 : _PUSHHELP
88 : _POPHELP
89 : _SETHelp
90 : _OLMR
91 : _INITHELP
92 : _GETCOLORS
93 : _OPENDIAG
94 : _OPENDICT
95 : _CLOSEDICT
96 : _DICTORD
97 : _DICTENUM
98 : _DICTQID
99 : _OPENENCT
100 : _FLUSHENCT
101 : _ENCTID
102 : _DISEASEGET
103 : _DISEASEPUT
104 : _CLOSEFILES
105 : _OPENPAT
106 : _FLUSHPAT
107 : _DELPATIENT
108 : _TSVALIDPAT
109 : _STRNAME
110 : _OPENRULE
111 : _CLOSERULE
112 : _GETRULE
113 : _OPENSYP
114 : _GETOPTS
115 : _NEXTPAT
116 : _NEWENCT
117 : _NEXTUSER
118 : _ADDOUSER
119 : _WPGETPATLIST
120 : _SEARCH
121 : _MORESEARCH
122 : _GETCANDPAT
123 : _GETSAMPAT
124 : _GETPATDATA
125 : _GETSAMS
126 : _SAMSDATA
127 : _GETPAT
128 : _GETPATTEMP
129 : _PATDATA
130 : _COMBINED
131 : _SAVEC
132

```

```

133 * :
134 * :
135 * : L SECONVERT
136 * : SPENCOUNT
137 * : SPGETENC
138 * : SPENCLIST
139 * : SPGETPAT
140 * : SPENCAMES
141 * : SPGETPATLIST
142 * : SPPRINT
143 * : SETPATH
144 * : ERRHAND
145 * : FILEFIND
146 * : REINDEX
147 * :
148 * : Documented 10/14/92 at 10:50 FoxDoc version 2.10
149 * : *****
150 * : u.prg
151 * :
152 * : Medical Practice Support System
153 * : $Revision: 1.1 $ $Date: 92/05/04 11:11:10 $
154 * : $Author: RoyDobbins $
155 * : 4/24/92 rwd02 context sensitive help settings
156 * : 4/27/92 rwd03 batch test mode
157 * : 5/14/92 rwd04 simple report format
158 * : 6/1/92 rwd06 on-line medical reference process
159 * : 6/2/92 rwd07 performance tuning of assist
160 * : 6/9/92 hl101 delete variable "startdir"
161 * : 6/10/92 hl102 add procedures and functions for patient intergrate
162 * : with SAMS
163 * : 6/10/92 hl103 add procedures and functions for doing sf600 report
164 * : 6/18/92 hl104 update patient info (sex and age) to working memory
165 * : 6/18/92 hl105 comment the computer diagnosis out from sf600 report
166 * : 6/18/92 hl106 add mreport to PUBLIC variable for getting the sf600
167 * : report
168 * :
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*****
FUNCTION userinit
PARAMETERS notime
PUBLIC msafety, mexact, mescp, mproc, mpath
PUBLIC mudfparms, mbell, mscore, mdelete

mdelete = SET("DELETE")
msafety = SET("SAFETY")

msexact = SET("EXACT")
hh1102

mescp = SET("ESCAPE")
hh1102

mpath = SET("PATH")
hh1102

mudfparms = SET("UDFPARMS")
mscore = SET("SCOREBOARD")
mbell = SET("BELL OFF")
hh1102

SET RESOURCE TO cmduser.dbf
SET SAFETY OFF
SET UDFPARMS TO REFERENCE
SET SCOREBOARD OFF
SET BELL OFF
SET ESCAPE ON
SET DELETE ON
SET DELETE ON
*
*
* global user interface variables
*
PUBLIC mttitle, mversion, help_code, help_id, help_level, help_stack
DIMENSION help_stack[30]
PUBLIC singlebox

* hypertext identifiers for on-line help
PUBLIC hyper_id
DIMENSION hyper_id[30]
focus

mttitle = "Computer Assisted Medical Diagnostic System"
mversion = "Version Release 1.0"
help_code = 0
help_level = 0
=inihelp()
=pushhelp("CAND")
hyper_id = ""
singlebox = CHR(218) + CHR(196) + CHR(191) + CHR(179) + ;
CHR(217) + CHR(196) + CHR(192) + CHR(179)

* default screen color set
PUBLIC c_deflt,c_disease,c_txt,c_err,c_area,c_pat
PUBLIC c_main,c_rev,c_treat,c_popup,c_rule,c_note
PUBLIC c_info,c_diag,c_help,c_prompt,c_getrev
PUBLIC c_encount,c_logon

* load optional color set
PRIVATE colorset
colorset = GETENV("COLORSET")
IF EMPTY(colorset)
    =getcolors(colorset)
ENDIF
ENDIF
*****

```

```

317 @ 3,1 SAY PADCC( mtitle, 78 )
318 @ 5,1 SAY PADCC( mversion, 78 )
319 @ 7,1 SAY PADCC( mym, 78 )
320 @ 9,1 SAY PADCC( "Naval Health Research Center" , 78 )
321 @ 22,1 SAY PADCC( "Press the f1 key for help", 78 )
322 @ 1,6 TO 23,79 PANEL
323 RETURN .T.
324 *-----**
325 * Set user return parameter.
326 *
327 *-----**
328 *****
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Function: GETDISLIST()
 Called by: ASKDIAG (procedure in DEMO.PRG)
 Calls: PUSHHELP (procedure in U.PRG)
 : W7.SPR (procedure in U.PRG)
 : POPHELP (procedure in U.PRG)
 : DISEASEGET (procedure in U.PRG)
 : W8.PRG (procedure in U.PRG)

```

*****
FUNCTION getdislist
PARAMETERS mlist
* mlist is list of disease names
EXTERNAL ARRAY mlist

PRIVATE mchoice
PRIVATE mhelp

IF ALEN(mlist) > 0
* display menu of names in window
PRIVATE {
PRIVATE mtitle
mtitle = "Diseases on file"
PRIVATE mbuttons
DO WHILE .T.
mchoice = 0
mbuttons = 0
pushhelp("DISEASES ON FILE")
DO W7.SPR
** h1101
pushhelp()
DO CASE
CASE mbuttons = 2
VIEW button
IF mchoice > 0
mhelp = diseaseget( mlist[mchoice] )
pushhelp("DISEASE")
DO W8
** h1101
pushhelp()
ENDIF
LOOP
CASE mbuttons = 3
CANCEL button
mchoice = 0
ENDCASE
EXIT
ENDDO
RETURN mchoice
ENDIF

```

* select disease from list

```

*****
Procedure: GETDISLOOKUPLIST
Called by: M_LOOKUP (procedure in DEMO.PRG)
Calls: PUSHHELP (procedure in U.PRG)
: W7A.SPR

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```

: POPHELP (procedure in U.PRG)
 : DISEASEGET (procedure in U.PRG)
 : W8.PRG (procedure in U.PRG)

```

*****
FUNCTION getdislookuplist
PARAMETERS mlist
* mlist is list of disease names
EXTERNAL ARRAY mlist

PRIVATE mchoice
PRIVATE mhelp

IF ALEN(mlist) > 0
* display menu of names in window
PRIVATE {
PRIVATE mtitle
mtitle = "Diseases / Treatment Reference"
PRIVATE mbuttons
DO WHILE .T.
mchoice = 0
mbuttons = 0
pushhelp("DISEASES/TREATMENT REFERENCE")
DO W7A.SPR
** h1101
pushhelp()
DO CASE
CASE mbuttons = 1
VIEW button
IF mchoice > 0
mhelp = diseaseget( mlist[mchoice] )
pushhelp("DISEASE DESCRIPTION WINDOW")
DO W8
** h1101
pushhelp()
ENDIF
LOOP
CASE mbuttons = 2
CANCEL button
mchoice = 0
ENDCASE
EXIT
ENDDO
RETURN mchoice
ENDIF

```

* edit dialog boxes

```

*****
* edit number
*****
Function: EDNUM()
Called by: EDITSYMP (procedure in DEMO.PRG)
Calls: PUSHHELP (procedure in U.PRG)
: W6.SPR

```

```

516 *| : POPHELP (procedure in U.PRG)
517 *|
518 *|*****
519 FUNCTION ednum
520 PARAMETERS mid, mname, mquestion, mextra, mhi, mlo, mwidth, mdec, mun
521 => its, mstrval
522 * mid dictionary id of item
523 * mname name of item
524 * mquestion user question text
525 * mextra additional user prompt text
526 * mhi hi limit advisory for value
527 * mlo lo limit advisory
528 * mwidth field width
529 * mdec number of decimals
530 * munits engineering units text
531 * mstrval current value
532
533 * save help context
534 PRIVATE oldhyp(alen(hyper_id))
535 =ACOPY(hyper_id, oldhyp)
536 hyper_id = ""
537 =pushhelp( mname )
538 hyper_id(1) = mname
539
540 PRIVATE mprompt
541 mprompt = mquestion
542 PRIVATE mevent
543 PRIVATE mbuttons
544 mevent = e_ok
545 mbuttons = 0
546 PRIVATE mval
547 mval = VAL(mstrval)
548 DO W6.SPR
549
550 DO CASE
551 -CASE mbuttons = 1
552 mevent = e_ok
553 -CASE mbuttons = 2
554 mevent = e_esc
555 ENDCASE
556
557 mstrval = LTRIM( STR( mval, mwidth, mdec ) )
558 =pophelp()
559 =ACOPY(oldhyp, hyper_id)
560 RETURN mevent
561
562 *****
563 *
564 * edit Boolean
565 *
566 *****
567 Function: ED800L()
568 Called by: EDITSYMP (procedure in DEMO.PRG)
569
570 Calls: PUSHHELP (procedure in U.PRG)
571 : W6C.SPR (procedure in U.PRG)
572 : POPHELP (procedure in U.PRG)
573
574 *****
575 FUNCTION edbool
576 PARAMETERS id, mname, mquestion, mextra, mstrval
577 * id dictionary id of item
578 * mname name of item
579 * mquestion user question text
580 * mextra additional user prompt text
581
582 *****
583 * save help context
584 PRIVATE oldhyp(alen(hyper_id))
585 =ACOPY(hyper_id, oldhyp)
586 hyper_id = ""
587 =pushhelp( mname )
588 hyper_id(1) = mname
589
590 PRIVATE mprompt
591 mprompt = mquestion
592 PRIVATE mevent
593 PRIVATE mbuttons
594 mevent = e_ok
595 mbuttons = 0
596 PRIVATE mval
597 mval = VAL(mstrval)
598 DO W6.SPR
599
600 DO CASE
601 -CASE mbuttons = 1
602 mevent = e_ok
603 -CASE mbuttons = 2
604 mevent = e_esc
605 ENDCASE
606
607 mstrval = LTRIM( STR( mval, mwidth, mdec ) )
608 =pophelp()
609 =ACOPY(oldhyp, hyper_id)
610 RETURN mevent
611
612 *****
613 *
614 * edit Boolean
615 *
616 *****
617 Function: ED800L()
618 Called by: EDITSYMP (procedure in DEMO.PRG)
619
620 Calls: PUSHHELP (procedure in U.PRG)
621 : W6C.SPR (procedure in U.PRG)
622 : POPHELP (procedure in U.PRG)
623
624 *****
625 FUNCTION edlist
626 PARAMETERS id, mname, mquestion, mextra, choices, mstrval
627 * id dictionary id of item
628 * mname name of item
629 * mquestion user question text
630 * mextra additional user prompt text
631 * choices enumerated choices
632 * mstrval current concatenated string value
633
634 *****
635 EXTERNAL ARRAY choices
636
637 * save help context
638 PRIVATE oldhyp(alen(hyper_id))
639 =ACOPY(hyper_id, oldhyp)
640 hyper_id = ""
641 =pushhelp( mname )
642 hyper_id(1) = mname
643
644 * add hypertext entries to focus

```

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```

570 * mstrval current concatenated string value
571
572 * save help context
573 PRIVATE oldhyp(alen(hyper_id))
574 =ACOPY(hyper_id, oldhyp)
575 hyper_id = ""
576 =pushhelp( mname )
577 hyper_id(1) = mname
578
579 PRIVATE mevent
580 PRIVATE mprompt
581 mprompt = mquestion
582 PRIVATE mchoice
583 PRIVATE mbuttons
584 mchoice = IIF(mstrval = "Y", 1, 2)
585 mbuttons = 0
586 mevent = e_ok
587
588 DO W6C.SPR
589
590 DO CASE
591 -CASE mbuttons = 1
592 mevent = e_ok
593 -CASE mbuttons = 2
594 mevent = e_esc
595 ENDCASE
596
597 IF mevent = IIF( mchoice = 1, "YES", "NO" )
598 ENDIF
599
600 =pophelp()
601 =ACOPY(oldhyp, hyper_id)
602 RETURN mevent
603
604 *****
605 *
606 * edit single choice checkbox
607 *
608 *****
609 Procedure: EDLIST
610 Calls: PUSHHELP (procedure in U.PRG)
611 : W6C.SPR (procedure in U.PRG)
612 : POPHELP (procedure in U.PRG)
613
614 *****
615 FUNCTION edlist
616 PARAMETERS id, mname, mquestion, mextra, choices, mstrval
617 * id dictionary id of item
618 * mname name of item
619 * mquestion user question text
620 * mextra additional user prompt text
621 * choices enumerated choices
622 * mstrval current concatenated string value
623
624 *****
625 EXTERNAL ARRAY choices
626
627 * save help context
628 PRIVATE oldhyp(alen(hyper_id))
629 =ACOPY(hyper_id, oldhyp)
630 hyper_id = ""
631 =pushhelp( mname )
632 hyper_id(1) = mname
633
634 * add hypertext entries to focus

```

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```

636 PRIVATE i
637 FOR i = 1 TO ALEN(choices)
638   hyper_id[i + 1] = LTRIM(choices[i])
639   hyper_id[i] = ""
640   hyper_id[i] = ""
641   hyper_id[i] = ""
642   hyper_id[i] = ""
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697   hyper_id[i] = ""
698   hyper_id[i] = ""
699   hyper_id[i] = ""

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```

700 * save help context
701 PRIVATE oldhyp(alen(hyper_id))
702 =ACOPY(hyper_id, oldhyp)
703 hyper_id = ""
704 hyper_id = ""
705 hyper_id = ""
706 hyper_id = ""
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708 hyper_id = ""
709 hyper_id = ""
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END

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943 Called by: W12.SPR
944
945 Calls: PUSHHELP
946 : U2.SPR
947 : POPHELP
948
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1174 *****
1175 *****
1176 *****
1177 *****

FUNCTION _edit_treat
DO m_treat IN demo.prg WITH me_treat
&& hl(0)
* CUROBJ = objnum(mck_treat)
SHOW GETS
saving = .T.
RETURN .T.

* release windows
*****
Procedure: RELEASE
*****
FUNCTION RELEASE
PARAMETER mwins
IF PARAMETER( ) > 0
IF WONTOP(mwins)
CLEAR READ
DEACTIVATE WINDOW &mwins
RELEASE WINDOW &mwins
ENDIF
ENDIF
RETURN

* print encounter
*****
Procedure: _PRINTENC
*****
Called by: _g710LMBAD( ) (function in W2.SPR)
*****
FUNCTION _printenc
PARAMETERS mprintfile
mprintfile = ALLTRIM( mprintfile )
IF EMPTY( mprintfile )
* list to printer or file
IF mprintfile = "PRINT"
* list to file
SET PRINTER TO (mprintfile)
ENDIF
SET CONSOLE OFF
SET PRINTER ON
** Encouter:
** DTDC(me_dateenc)
** "
** me_timeenc
** " Care Provider: "
** ALLTRIM( STR( me_provider ) )
** Patient:
** "SSN: "
** me_ssn
** "
** TRIM(me_lastname)
** "
** TRIM(me_firstname)
** "
** Sex: "
** "
** IF(me_sex="F", "Female", "Male")
** " Age: "
** me_age

```

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1234 *****

? "Complaint:"
?? TRIM(me_area)
? "Signs and Symptoms:"

FOR i = 1 TO ALLEN(me_cond)
IF EMPTY( me_cond[i] )
? me_cond[i]
ENDIF
L-NEXT
L-NEXT

? "Impression:"
?? TRIM( PROPER( me_diagnos ) )
? "Computer's suggested diagnoses:"

FOR i = 1 TO ALLEN(me_diag)
IF EMPTY( me_diag[i] )
? TRIM( PROPER( me_diag[i] ) )
ENDIF
L-NEXT
? "Plan:"
? me_treat
IF mprintfile = "PRINT"
EJECT
SET PRINTER OFF
SET PRINTER TO
SET CONSOLE ON
ENDIF
RETURN .T.

* main window event
*****
Procedure: _STOPREAD
Called by: W12.SPR
: W4.SPR
*****
FUNCTION _stopread
PARAMETERS mwwindow
IF .NOT. VISIBLE(mwwindow)
WAIT
quitting = .T.
ENDIF
RETURN quitting .OR. .NOT. WREAD()
*****
* display error message window
*
*

```



```

*****
1752 : SFENCOUNT      (procedure in U.PRG)
1753 : SFENCLIST     (procedure in U.PRG)
1754 : SFGETPATLIST (pr-ecure in U.PRG)
1755 : _Q9POPFLOY    (procedure in CAND.MPR)
1756
1757 Calls: SETHelp (procedure in U.PRG)
1758
1759 *****
1760 FUNCTION pophelp
1761 |-----|
1762 | -if help_level > 1 |
1763 |   help_level = help_level - 1 |
1764 |   sethelppt |
1765 | -----|
1766 | RETURN help_level |
1767 |-----|
1768
1769 Procedure: SETHelp
1770 Called by: PUSHHELP
1771           : POPHELP
1772
1773 *****
1774 FUNCTION sethelp
1775 |-----|
1776 | help_id = help_stack(help_level)|
1777 | SET TOPIC TO help_id |
1778 | RETURN ** |
1779 |-----|
1780
1781 * on-line medical reference
1782 *
1783 *
1784
1785 *****
1786 Procedure: OLHR
1787 Called by: INITHELP
1788 Other Files: TEMP.WIN
1789
1790 *****
1791 FUNCTION olmr
1792 PRIVATE m.home, m.driv, m.dp
1793 SAVE WINDOW ALL TO temp.win
1794
1795 CLEAR WINDOWS
1796
1797 SAVE SCREEN
1798
1799 m.dp = GETENV("DP")
1800 m.driv = SYS(5)
1801 m.home = SYS(2003)
1802 SET DEFAULT TO (m.dp)
1803 I /O dp
1804 SET DEFAULT TO (m.driv)
1805 SET DEFAULT TO (m.home)
1806

```

[illegible]


```

1933  => extract rulebase name and      mrulebase = TRIM(rulebase)      22
1934  => possible diagnosis threshold  cthreshold = threshold      22
1935  => probable diagnosis threshold  cthreshpro = probable      22
1936  => most likely diagnosis threshold  cthreshlik = likely      22
1937  => number of rules in rulebase  nrules = rules      22
1938  => close file                    _ENDIF
1939  => reselect original database      USE
1940  =>                                SELECT (msel)
1941  =>                                _ENDIF
1942  =>                                RETURN mrulebase
1943  =>
1944  =>
1945  =>                                * access colors database
1946  =>                                *
1947  =>                                *
1948  =>                                *
1949  =>
1950  =>
1951  =>                                * load optional color set
1952  =>                                *
1953  =>                                *
1954  =>                                *
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2158 *| *****
2159 *| FUNCTION closedict
2160 *| PRIVATE msel
2161 *| msel = SELECT()
2162 *|
2163 *| SELECT dict
2164 *| USE
2165 *| SELECT dictval
2166 *| USE
2167 *| SELECT enum
2168 *| USE
2169 *| SELECT (msel)
2170 *| RETURN .T.
2171 *| *****
2172 *|
2173 *| * size data dictionary
2174 *| *
2175 *| *****
2176 *|
2177 *| Function: DICTCOUNT()
2178 *| Called by: INITSYMP() (function in DEMO.PRG)
2179 *| Uses: DICT.DBF
2180 *| *****
2181 *| FUNCTION dictcount
2182 *| PRIVATE msel
2183 *| msel = SELECT()
2184 *|
2185 *| SELECT 0
2186 *| USE dict AGAIN
2187 *|
2188 *| *****
2189 *| * save current database selection
2190 *| *
2191 *| * list of elements
2192 *| *
2193 *| * number of names in file
2194 *| *
2195 *| * close file
2196 *| *
2197 *| * reselct original database
2198 *| *
2199 *| *****
2200 *|
2201 *| * Lookup Dictionary item
2202 *| *
2203 *| *****
2204 *|
2205 *| Function: DICTQV()
2206 *| Called by: LOOKUPQ
2207 *| (procedure in DEMO.PRG)
2208 *| LOOKUPNAM
2209 *| (procedure in DEMO.PRG)
2210 *| EDITSYMP
2211 *| (procedure in DEMO.PRG)
2212 *| PUTSYMP()
2213 *| (function in U.PRG)
2214 *|
2215 *| *****
2216 *|

```

```

2217 *| *****
2218 *| FUNCTION dictq
2219 *| PARAMETERS mid, mask, mq, aname, mpromp
2220 *|
2221 *| PRIVATE mtype
2222 *| PRIVATE msel
2223 *| msel = SELECT()
2224 *| *****
2225 *|
2226 *| * current database selection
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3000 *| *

```

```

2265      units = TRIM(units)
2266      ELSE mresult = .F.
2267      ENDIF
2268      SELECT (msel)
2269  => restore database selection
2270      RETURN mresult
2271
2272  =>
2273
2274  * size dictionary enumerated item
2275  *
2276  *****
2277  Function: DICTCOUNT()
2278  Called by: EDITSYMP (procedure in DEMO.PRG)
2279  *****
2280  FUNCTION dictcount
2281  PARAMETERS mid
2282  PRIVATE N
2283  PRIVATE mkey
2284  PRIVATE msel
2285  msel = SELECT()
2286
2287  => save current database selection
2288  SELECT enum
2289  * look up identifier in dictionary
2290  N = 0
2291  mkey = VAL(mid)
2292  SEEK mkey
2293  * count list of names
2294  COUNT WHILE mkey = id .AND. .NOT. EOF()
2295  TO N
2296
2297  =>
2298  SELECT (msel)
2299  RETURN N
2300
2301  =>
2302  * Lookup Dictionary enumerated value it
2303  *
2304  *
2305  *****
2306  Function: DICTQ()
2307  Called by: EDITSYMP (procedure in DEMO.PRG)
2308  *****
2309  FUNCTION dictq
2310  PARAMETERS mid, names, attrib
2311  EXTERNAL ARRAY names, attrib
2312  PRIVATE I
2313  PRIVATE mkey
2314  PRIVATE msel
2315
2316  =>
2317
2318  =>
2319
2320

```

```

2321  => current database selection
2322  msel = SELECT()
2323  SELECT enum
2324  * look up identifier in dictionary
2325  i = 0
2326  mkey = VAL(mid)
2327  SEEK mkey
2328  IF FOUND()
2329  * create list of names
2330  i = 1
2331  DO WHILE mkey = id .AND. .NOT. EOF()
2332  names(i) = TRIM(enumerate)
2333  attrib(i) = mkey
2334  i = i + 1
2335  SKIP
2336  ENDIF
2337  SELECT (msel)
2338  RETURN 1
2339
2340  => restore database selection
2341
2342  *
2343  *
2344  * Lookup Dictionary enumerated item ord
2345  *
2346  *****
2347  Procedure: DICTORD
2348  Called by: PUTSYMPOM() (function in U.PRG)
2349  *****
2350  FUNCTION dictord
2351  PARAMETERS mid, msel
2352  PRIVATE mkey, word
2353  PRIVATE msel
2354  msel = SELECT()
2355
2356  => current database selection
2357  SELECT enum
2358  * look up identifier in dictionary
2359  mkey = VAL(mid)
2360  word = 0
2361  SEEK mkey
2362  IF FOUND()
2363  * find enumeration
2364  DO WHILE mkey = id .AND. .NOT. EOF()
2365  word = word + 1
2366  IF word = ord
2367  RETURN word
2368
2369  => corresponding ordinal
2370  EXIT
2371  ENDIF
2372  SKIP
2373  ENDIF
2374  SELECT (msel)
2375  RETURN ALLTRIM(STR(word))
2376
2377  => restore database selection

```



```

2496 *|
2497 *|      Called by: ADDHISTORY      (procedure in DEMO.PRG)
2498 *|
2499 *|*****
2500 *|      FUNCTION dictionaryname
2501 *|      PARAMETERS wname
2502 *|      PRIVATE mid
2503 *|      PRIVATE msel
2504 *|      msel = SELECT()
2505 *|
2506 *|      SELECT dict
2507 *|      SET ORDER TO 2
2508 *|
2509 *|      SEEK wname
2510 *|      IF FOUND()
2511 *|          mid = ALLTRIM(STR(id))
2512 *|      ELSE
2513 *|          mid = ""
2514 *|      ENDIF
2515 *|      SET ORDER TO 1
2516 *|      SELECT (msel)
2517 *|
2518 *|      RETURN mid
2519 *|
2520 *|*****
2521 *|
2522 *|      * data base functions for patient encou
2523 *|
2524 *|      *
2525 *|      *
2526 *|      *
2527 *|      *
2528 *|      *
2529 *|      *
2530 *|      *
2531 *|      *
2532 *|      *
2533 *|      *
2534 *|      *
2535 *|      *
2536 *|      *
2537 *|      *
2538 *|      *
2539 *|      *
2540 *|      *
2541 *|      *
2542 *|      *
2543 *|      *
2544 *|      *

```

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2545 *|
2546 *|
2547 *|
2548 *|
2549 *|
2550 *|
2551 *|
2552 *|
2553 *|
2554 *|      Procedure: FLUSHENCNT
2555 *|
2556 *|      Called by: FLUSHFILES()      (function in U.PRG)
2557 *|
2558 *|*****
2559 *|      FUNCTION flushencnt
2560 *|      SELECT (fencounter)
2561 *|      USE
2562 *|      =openencnt()
2563 *|      RETURN .T.
2564 *|
2565 *|
2566 *|
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2573 *|
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2601 *|

```

```

2607 * Procedure: ENCID
2608 *
2609 *
2610 *
2611 * FUNCTION ENCID
2612 * PARAMETERS mpatientid, mdate, mtime
2613 *
2614 * PRIVATE mid
2615 * mid = 0
2616 * PRIVATE msel
2617 * msel = SELECT()
2618 *
2619 * SELECT (fencounter)
2620 * SEEK mpatientid
2621 * IF FOUND()
2622 * DO WHILE .NOT. EOF() .AND. patient =
2623 * IF mdate = DATE
2624 * * found encounter by date opti
2625 * ONLY match time
2626 * IF TYPE("mtime")="C",mtime
2627 * = TIME.T.)
2628 * * found (first or exact) en
2629 * counter record
2630 * mid = encounterid
2631 * EXIT
2632 * ENDIF
2633 * SKIP
2634 * ENDIF
2635 * ENDIF
2636 * ENDIF
2637 * ENDIF
2638 * ENDIF
2639 * ENDIF
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2996 * ENDIF
2997 * ENDIF
2998 * ENDIF
2999 * ENDIF
3000 * ENDIF

```

```

2656 * SELECT (fencounter)
2657 * SET ORDER TO 3
2658 *
2659 * * look up encounter record
2660 * SEEK mpatientid
2661 * IF FOUND()
2662 * mresult = .T.
2663 * REPLACE DATE WITH mdateenc
2664 * REPLACE TIME WITH mtimeenc
2665 * REPLACE station WITH mstation
2666 * REPLACE department WITH mdept
2667 * REPLACE provider WITH mprovider
2668 * REPLACE area WITH marea
2669 * REPLACE diagnosis WITH mdiagnosis
2670 * REPLACE treatment WITH mtreatment
2671 * REPLACE state WITH mstate
2672 * ENDIF
2673 * SET ORDER TO 1
2674 *
2675 * * restore
2676 *
2677 * * restore
2678 *
2679 * * Get encounter info
2680 *
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```

2828      ENDIF
2829      SET FILTER TO
2830      SET ORDER TO 1
2831      SELECT (msel2)
2832      USE
2833      SELECT (msel)
2834      RETURN 1
2835      ** list of names
2836      **
2837      ** get disease descriptions
2838      **
2839      **
2840      **
2841      *****
2842      Procedure: DISEASEGET
2843      Called by: GETDISLIST()
2844      : GETDISLOOKUPLIST
2845      : _EDITVDIAG
2846      Uses: DISEASE.DBF
2847      Indexes: DISEASE.IDX
2848      *****
2849      FUNCTION diseaseget
2850      PARAMETERS mdisease
2851      PRIVATE mhelp
2852      mhelp = ""
2853      PRIVATE msel
2854      msel = SELECT()
2855      ** save c
2856      **
2857      **
2858      **
2859      **
2860      **
2861      **
2862      **
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2879      **
2880      **

```

[illegible]

```

2935      ELSE
2936      SET INDEX TO disease
2937      ENDIF
2938
2939      * create list of names
2940      i = 0
2941      DO WHILE .NOT. EOF()
2942      i = i + 1
2943      mdiseases[i] = TRIM( name )
2944      SKIP
2945      ENDDO
2946      DECLARE mdiseases[]
2947      USE
2948      SELECT (msel)
2949      => ** restore database selection
2950      RETURN 1
2951      => ** list of names
2952
2953      * update disease descriptions
2954      *
2955
2956      *****
2957      Procedure: DISEASEPUT
2958      Uses: DISEASE.DBF
2959      Indexes: DISEASE.IDX
2960
2961      *****
2962      FUNCTION diseaseput
2963      PARAMETERS mdisease, mhelp
2964      PRIVATE msel
2965      msel = SELECT()
2966      => e current database selection
2967
2968      SELECT 0
2969      USE disease INDEX disease
2970      SEEK UPPER(mdisease)
2971      IF FOUND()
2972      REPLACE DESCRPT WITH mhelp
2973      ENDIF
2974      USE
2975      SELECT (msel)
2976      => select original database
2977
2978      RETURN **
2979
2980      *
2981
2982      * get disease name
2983      *
2984      *
2985      *****
2986      Function: DISEASEMAN()
2987      Called by: BATCTEST()
2988               : M_RESUME
2989               : M_DIAG
2990
2991      (function in DEMO.PRG)
2992      (procedure in DEMO.PRG)
2993      (procedure in DEMO.PRG)

```

```

3008      * STRDIAG
3009      * _EDITDIAG
3010      *
3011      Uses: DISEASE.DBF
3012
3013      Indexes: DISEASE.IDX
3014
3015      *****
3016      FUNCTION diseaseman
3017      PARAMETERS mid, mname
3018      EXTERNAL ARRAY mid, mname
3019      PRIVATE i, mresult
3020      mresult = ""
3021      PRIVATE msel
3022      msel = SELECT()
3023      => save current
3024
3025      database selection
3026
3027      SELECT 0
3028      USE disease INDEX disid
3029
3030      IF PARAMETERS() = 2
3031      * translate list
3032      FOR i = 1 TO ALEN(mid)
3033      SEEK mid[i]
3034      mname[i] = IIF( FOUND(), TRIM(
3035      name ) , "" )
3036      L-NEXT
3037      ELSE
3038      SEEK mid
3039      mresult = IIF( FOUND(), TRIM( n
3040      ame ) , "" )
3041      ENDIF
3042
3043      ** Expected NEXT--Found ENDIF
3044
3045      USE
3046      SELECT (msel)
3047      => reslect original database
3048
3049      RETURN mresult
3050
3051      *
3052      * get disease id
3053      *
3054      *****
3055      Function: DISEASEID()
3056      Called by: M_DIAG
3057      Uses: DISEASE.DBF
3058      Indexes: DISEASE.IDX
3059
3060      *****
3061      FUNCTION diseasedid
3062      PARAMETERS dname, did
3063      EXTERNAL ARRAY did, dname
3064
3065      ** rwd007

```

```

3050 PRIVATE i, mresult
3051 mresult = ""
3052 PRIVATE msel
3053 msel = SELECT()
3054 => ent database selection
3055 SELECT 0
3056 USE disease INDEX disease
3057
3058 IF PARAMETERS() = 2
3059   FOR i = 1 TO ALEN(chame)
3060     SEEK chame[i]
3061     didit() = IIF(FOUND(), id, 0)
3062     L-NEXT
3063   ELSE
3064     SEEK chame
3065     mresult = IIF(FOUND(), id, 0)
3066   L-ENDIF
3067
3068 USE
3069 SELECT (msel)
3070
3071 RETURN mresult
3072
3073 ***** Expected NEXT--Found ENDF
3074
3075 ***** reselct original database
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3140 *****
3141 *****
3142 *****

```

```

3105 PUBLIC f_patname
3106 PUBLIC f_patid
3107 PUBLIC f_encountnr
3108 PUBLIC f_encountd
3109 PUBLIC f_encounti
3110 f_symptom = "symptoms"
3111 f_diagnose = "diagnose"
3112 f_patient = "patient"
3113 f_patname = "patname"
3114 f_patid = "patid"
3115 f_encountnr = "encountnr"
3116 f_encountd = "encountd"
3117 f_encounti = "encounti"
3118
3119 IF EMPTY(testing)
3120   * use test files
3121   IF RIGHT(testing, 1) != "\
3122     testing = testing + "\
3123   L-ENDIF
3124   f_symptom = testing + f_symp
3125   f_diagnose = testing + f_dia
3126   f_patient = testing + f_patie
3127   f_patname = testing + f_patna
3128   f_patid = testing + f_patid
3129   f_encountnr = testing + f_encou
3130   f_encountd = testing + f_encou
3131   f_encounti = testing + f_encou
3132 L-ENDIF
3133
3134 =openpat()
3135 =openencnt()
3136 =opendict()
3137 =openrule()
3138 IF EMPTY(testing)
3139   =popuphide(m.wpop)
3140 L-ENDIF
3141 RETURN .T.
3142

```



```

3375 *****
3376 Function: NEWPATIENT()
3377
3378 Called by: M_PATADO (procedure in DEMO.PRG)
3379
3380 *****
3381 FUNCTION newpatient
3382
3383   strname, mfirstname, mdatebirth, msex, mwaterank
3384   PARAMETERS mpatientid, msecsec, mla
3385
3386   PRIVATE msec
3387   msec = SELECT()
3388
3389   save current database selection
3390
3391   SELECT (fpatient)
3392   APPEND BLANK
3393
3394   REPLACE id WITH mpatientid
3395   REPLACE lastname WITH mlastame,
3396   firstame WITH mfirstame,
3397   socsec WITH msecsec
3398   REPLACE datebirth WITH mdatebirth
3399
3400   sex WITH msex,
3401   waterank WITH mwaterank
3402   SELECT (msec)
3403
3404   RETURN .T.
3405
3406 *****
3407
3408 * delete patient record
3409 *
3410 *
3411 *****
3412
3413 Procedure: DELPATIENT
3414
3415 *****
3416 FUNCTION delpatient
3417
3418   PARAMETERS mpatientid
3419
3420   PRIVATE msec
3421   msec = SELECT()
3422
3423   save current database selection
3424
3425   SELECT (fpatient)
3426   SET ORDER TO 3
3427
3428   SEEK mpatientid
3429   msecresult = .NOT. FOUND()
3430   IF FOUND()
3431     DELETE
3432     PACK
3433   ENDIF
3434   SET ORDER TO 1
3435
3436   store index order
3437
3438   store database selection
3439
3440   SELECT (msec)
3441
3442   RETURN msecresult
3443
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```

3478  >> restore database selection          SELECT (msel)          && r
3479  <----- RETURN mresult
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```



```

3690      EXTERNAL ARRAY mcond, mval
3691      **
3692      PRIVATE i
3693      PRIVATE mitem
3694      PRIVATE mtype
3695      PRIVATE mid
3696      PRIVATE mq
3697      PRIVATE nrecs
3698      **
3699      ** have existing records
3700      **
3701      ** try to g
3702      **
3703      PRIVATE msel
3704      msel = SELECT()
3705      **
3706      ** find existing transactions if a
3707      **
3708      **
3709      **
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```

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3786      **

```

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[illegible]

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```

4234 msoc = dp(mitem, u, 1)
4235 mlast = dp(mitem, u, 2)
4236 mfirst = dp(mitem, u, 3)
4237 mmid = dp(mitem, u, 4)
4238 mpresize = ALEN(choice, 1)
4239 DIMENSION mprelist[mpresize]
4240 FOR i = 1 TO mpresize
4241   mtsn = dp(choice[i], 1), "(("
4242   mtsn = dp(mtsn, ")", 1)
4243   mprelist[i] = mtsn
4244 ENDFOR
4245 SET EXACT OFF
4246 mmsoc = .f.
4247 IF EMPTY(msoc) AND EMPTY(mlast)
4248   AND EMPTY(mfirst)
4249   RETURN " "
4250   ch without criteria"
4251   RETURN " "
4252   DO gettempat WITH msoc, mlast
4253   msoc = ALEN(mprelist)
4254   mcount = ALEN(mprelist)
4255   IF RECCOUNT("mpat2") > 0
4256     SELECT mpat2
4257     msoc = msoc + RECCOUNT("u")
4258   DIMENSION choice[msize, 2]
4259   SCAN
4260   mtext = "[" + sn + "]"
4261   IF TYPE("mprelist") = "u"
4262     mmodup = .t.
4263   ELSE
4264     mmodup = 11F(ASCAN(mprelist, sn) = 0, .t., .f.)
4265   ENDIF
4266   IF mmodup
4267     mcount = mcount + 1
4268     choice[mcount, 1] = mtext
4269   ELSE
4270     choice[mcount, 2] = "u"
4271   ENDIF
4272   RELEASE mprelist
4273   IF TYPE("choice") = "u"
4274     DIMENSION choice[mcount, 2]
4275     IF mcount > 1
4276       =ASORT(choice, 1)
4277     ENDIF
4278   ENDIF
4279   RETURN
4280   *****
4281   " Get the matching list in CA
4282   *****
4283   MD
4284   *****
4285

```

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```

4341 tfirst = mfirst
4342 IF msmsdata
4343   tlast = ""
4344   tfirst = ""
4345 ELSE
4346   tssn = STRTRAN(tssn, " ",
4347   => " ")
4348   tfirst = mfirst
4349   tssn = STRTRAN(tssn, " ",
4350   => " ")
4351   tlast = STRTRAN(ALLTRIM(tlast),
4352   => " ", " ")
4353   tfirst = STRTRAN(ALLTRIM(tfirst),
4354   => " ", " ")
4355   tlast = ALLTRIM(tlast)
4356   tfirst = ALLTRIM(tfirst)
4357   SELECT ssn, name, crwdob, crws
4358   FROM (f mkey);
4359   INTO CURSOR upat2;
4360   WHERE ssn LIKE tssn;
4361   AND name LIKE (UPPER(tl
4362   => ast));
4363   (UPPER(tfirst));
4364   RETURN
4365   * Get the data from Query.
4366   *****
4367   *****
4368   *****
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Procedure: GETSAMS

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```

Procedure: GETPAT

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```

4685 DO mp4.spr
4686 *pophelp()
4687 DO CASE
4688 CASE subtotals = 1
4689     *patientid = sfgetpat(masn,
4690
4691
4692
4693
4694     *patientid, mdateenc)
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4699     *patientid)
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4704     *patientid)
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```

FUNCTION sfgetenc
PARAMETERS par1, par2

PRIVATE M
PRIVATE names
PRIVATE mcountid

DO CASE

CASE PARAMETER() = 0

patientid = 0

mdate = CTOD("")

CASE PARAMETER() = 1

if TYPE("par1") = "M"

mdate = par1

patientid = 0

ELSE

IF TYPE("par1") = "M"

patientid = par1

mdate = CTOD("")

ENDIF

CASE PARAMETER() = 2

patientid = par1

mdate = par2

ENDIF

mdate = 0

PRIVATE names, ids, patients,

mcountid = 0

IF M > 0

user selects an encounter

DIMENSION names(n), ids(n),

ids

M = sfencnames(names, ids,

create list of names

IF M > 0

DIMENSION names(n), ids

choice = sfenclist(name

choice > 0

IF choice > 0

mcountid = ids[choice

patientid = patients

ELSE

mcountid = 0

ENDIF

popmessage("no encounte

ENDIF

popmessage("no encounte

RETURN mcountid

select a previous encounter


```

4903 >> s, spatient, mdate
4904 >> ients
4905 >> ients
4906 >> ients
4907 >> ients
4908 >> ients
4909 >> ients
4910 >> ients
4911 >> ients
4912 >> ients
4913 >> ients
4914 >> ients
4915 >> ients
4916 >> ients
4917 >> ients
4918 >> ients
4919 >> ients
4920 >> save current database selection
4921 >> save current database selection
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4950 >> save current database selection
4951 >> save current database selection
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4956 >> save current database selection
4957 >> save current database selection
4958 >> save current database selection

```


5250	REINDEX COMPACT
5251	USE VAL INDEX VAL
5252	REINDEX COMPACT
5253	USE enum INDEX enum
5254	REINDEX COMPACT
5255	USE premise INDEX premise
5256	REINDEX COMPACT
5257	USE action INDEX action
5258	REINDEX COMPACT
5259	USE rule INDEX salience, ru
5260	as le
5261	REINDEX COMPACT
5262	USE disease INDEX disease,
5263	as disid, disease
5264	REINDEX COMPACT
5265	USE diagnose INDEX diagnose
5266	REINDEX COMPACT
5267	USE REPORT INDEX REPORT
5268	REINDEX COMPACT
5269	USE SECTION INDEX SECTION
5270	REINDEX COMPACT
5271	USE sf600tex INDEX sf600tex
5272	REINDEX COMPACT
5273	as popphide(windpop)
5275	END IF
	RETURN
	*: EOF: U.ACT

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Abstract

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```

_q7i0lh94d mbuttons VALID

Function Origin:

From Screen: W2, Record Number: 6

Variable: mbuttons

Called By: VALID Clause

Object Type: Push Button

Snippet Number: 2

```

145 FUNCTION q7i0lh94d      && mbuttons VALID
146 #REGION 1
147 IF mbuttons = 1
148     = printenc(ALLTRIM(mprintfile))
149 ENDIF
150 RETURN .T.

```

_q7i0lh94q mchoice VALID

Function Origin:

From Screen: W2, Record Number: 7

Variable: mchoice

Called By: VALID Clause

Object Type: Radio Button

Snippet Number: 3

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179 *

```

FUNCTION q7i0lh94q && mchoice VALID

#REGION 1

IF mchoice = 1

 mprintfile = mfilename

 CURSOR = OBJNUM(mprintfile)

ELSE

 mprintfile = "PRINT"

ENDIF

SHOW GETS

RETURN .T.

*: EOF: W2.AC1

07/20/92	W3.SPR	10:01:25
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

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```

REGION 0
REGIONAL m.curarea, m.talkstat, m.compstat
  IF SET("TALK") = "ON"
    SET TALK OFF
    m.talkstat = "ON"
  ELSE
    m.talkstat = "OFF"
  ENDIF
  m.compstat = SET("COMPATIBLE")
  SET COMPATIBLE FOXPLUS

```

Window definitions

```

  IF NOT MEXIST("w_patlist")
    DEFINE WINDOW w_patlist
      FROM INT((SCOL()-15)/2), INT((SCOL()-37)/2) ;
      TO INT((SCOL()-15)/2)+14, INT((SCOL()-37)/2)+36 ;
      TITLE "Patients on File" ;
      FLOAT ;
      NOCLOSE ;
      SHADOW ;
      DOUBLE ;
      COLOR SCHEME 5
    ENDIF

```

W3 Setup Code - SECTION 2

```

REGION 1
mchoice=1

```

W3 Screen Layout

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```

```

REGION 1
  IF WVISIBLE("w_patlist")
    ACTIVATE WINDOW w_patlist SAME
  ELSE
    ACTIVATE WINDOW w_patlist NOSHOW
  ENDIF
  @ 0,0 GET mchoice ;
  PICTURE "set" ;
  FROM mlist ;
  SIZE 11,34 ;
  DEFAULT 1 ;
  COLOR SCHEME 6
  @ 12,6 GET mbuttons ;
  PICTURE "g=HT Select;\?Cancel" ;
  SIZE 1,8,5 ;
  DEFAULT 1 ;
  IF NOT WVISIBLE("w_patlist")
    ACTIVATE WINDOW w_patlist
  ENDIF
  READ CYCLE MODAL
  RELEASE WINDOW w_patlist
REGION 0
  IF m.talkstat = "ON"
    SET TALK ON
  ELSE
    SET TALK OFF
  ENDIF
  IF m.compstat = "ON"
    SET COMPATIBLE ON
  ENDIF
  =: EOF: W3.AC1

```

07/28/92	W4.SPR	16:29:59
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

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```

#REGION 0
REGIONAL m.curraea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT EXIST("w_patedit")
  DEFINE WINDOW w_patedit
  FROM INT((SROW()-23)/2), INT((SCOL()-80)/2)
  TO INT((SROW()-23)/2)+22, INT((SCOL()-80)/2)+79
  TITLE "Patient Details"
  FLOAT
  NOCLOSE
  SHADOW
  DOUBLE
  COLOR SCHEME 5
ENDIF

```

W4 Screen Layout

```

#REGION 1
IF WISIBLE("w_patedit")
  ACTIVATE WINDOW w_patedit SAME
ELSE
  ACTIVATE WINDOW w_patedit NOSHOW
ENDIF
# 1,1 SAY "Social security"
# 3,1 SAY "Last name"
# 5,1 SAY "First name"

```

```

# 7,1 SAY "Date of birth"
# 9,1 SAY "Sex"
# 11,1 SAY "Rate / rank"
# 1,18 GET msocsec
  SIZE 1,12
  DEFAULT " "
  PICTURE "999-99-9999"
  DISABLE
# 3,18 GET mlastname
  SIZE 1,27
  DEFAULT " "
  DISABLE
# 5,18 GET mfirstname
  SIZE 1,27
  DEFAULT " "
  DISABLE
# 7,18 GET mdatebirth
  SIZE 1,8
  DEFAULT ( / / )
  DISABLE
# 9,18 GET msecx
  SIZE 1,1
  DEFAULT " "
  PICTURE "a1"
  DISABLE
# 11,18 GET mratebank
  SIZE 1,28
  DEFAULT " "
  DISABLE
# 7,66 GET mbuttons
  PICTURE "aVT OK;New;\Cancel"
  SIZE 1,9,2
  DEFAULT " "
  VALID _pvald()
  PICTURE "a*HN Edit"
  SIZE 1,6,1
  DEFAULT " "
  VALID _q7q0z05ur()
# 4,66 GET mbutton
  PICTURE "a*HN Browse"
  SIZE 1,8,1
  DEFAULT " "
  VALID _q7q0z05j()
IF NOT WISIBLE("w_patedit")
  ACTIVATE WINDOW w_patedit
ENDIF
READ CYCLE
DEACTIVATE _stopread("w_patedit")
RELEASE WINDOW w_patedit
#REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compstat = "ON"
  SET COMPATIBLE ON
ENDIF

```

```

133 *
134 *
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136 #REGION 1
137 -IF Quitting
138   RELEASE WINDOW w_patedit
139 -ENDIF
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```

_q7q0zd5ur	mbutton VALID
Function Origin:	
From Screen:	W4, Record Number: 15
Variable:	mbutton
Called By:	VALID Clause
Object Type:	Push Button
Snippet Number:	1

```

156 FUNCTION _q7q0zd5ur 22 mbutton VALID
157 #REGION 1
158 -IF saving
159   saving = .f.
160   SHOW GETS disabled
161 -ELSE
162   saving = .t.
163   SHOW GETS enabled
164 -ENDIF
165 RETURN .t.
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```

_q7q0zd65j	mbutton. VALID
Function Origin:	
From Screen:	W4, Record Number: 16
Variable:	mbutton
Called By:	VALID Clause
Object Type:	Push Button
Snippet Number:	2

```

181 FUNCTION _q7q0zd65j 22 mbutton VALID
182 #REGION 1
183 DO m_patlist IN (startdir + "\\" + "demo.prg")
184 SHOW GETS
185 RETURN .t.
186 *: EOF: W4.AC1
187

```

```

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07/20/92	W5.SPR	10-01:21
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

```

#REGION 0
REGIONAL m.curraarea, m.talkstat, m.compmat
IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compmat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT MEXIST("w_area")
  DEFINE WINDOW w_area :
    FROM INT((SROW()-11)/2), INT((SCOL()-46)/2) :
    TO INT((SROW()-11)/2)+10, INT((SCOL()-46)/2)+45 :
    TITLE "Complaints" :
    FLOAT
    NOCLOSE :
    SHADOW :
    DOUBLE :
    COLOR SCHEME 5
  ENDIF

```

W5 Setup Code - SECTION 2

```

#REGION 1
mchoice = 1

```

W5 Screen Layout

```

67 #REGION 1
68 IF WISIBLE("w_area")
69   ACTIVATE WINDOW w_area SAME
70 ELSE
71   ACTIVATE WINDOW w_area NOSHOW
72 ENDIF
73 @ 2,32 GET mbuttons ;
74   PICTURE "g+vt Select;\?Cancel" ;
75   SIZE 1,8,1 ;
76   DEFAULT 1 ;
77 @ 0,1 GET mchoice ;
78   PICTURE "a&t" ;
79   FROM mlist ;
80   SIZE 9,29 ;
81   DEFAULT 1 ;
82   COLOR SCHEME 6
83
84 IF NOT WISIBLE("w_area")
85   ACTIVATE WINDOW w_area
86 ENDIF
87
88 READ CYCLE MODAL
89
90 RELEASE WINDOW w_area
91
92 #REGION 0
93 IF m.talkstat = "ON"
94   SET TALK ON
95 ENDIF
96
97 IF m.compmat = "ON"
98   SET COMPATIBLE ON
99 ENDIF
100 *; EOF: W5.AC1
101

```


07/20/92	W6.SPR	10:00:49
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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```

```

REGION 0
REGIONAL i.currare, m.talkstat, m.compatat

```

```

IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF

```

```

m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT EXIST("w_num")
DEFINE WINDOW w_num ;
FROM INT((SCOL()-15)/2), INT((SCOL()-55)/2) ;
TO INT((SCOL()-15)/2)+16, INT((SCOL()-55)/2)+56 ;
TITLE "Numeric Data Entry" ;
FLOAT ;
NOCLOSE ;
SHADOW ;
DOUBLE ;
COLOR SCHEME 5
ENDIF

```

W6 Screen Layout

```

REGION 1
IF WISIBLE("w_num")
ACTIVATE WINDOW w_num SAME
ELSE
ACTIVATE WINDOW w_num WOSHON
ENDIF
@ 8,6 GET mval ;
SIZE 1,10 ;
RANGE mlo, mhi ;

```

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```

```

DEFAULT 0 ;
PICTURE "BKZ"
@ 1,1 SAY mprompt ;
SIZE 3,5 ;
PICTURE "g1"
@ 6,2 TO 10,48
@ 5,23 SAY mhi ;
SIZE 1,10 ;
PICTURE "BKZ"
@ 8,30 SAY munits ;
SIZE 1,14 ;
PICTURE "g1"
@ 5,7 SAY mlo ;
SIZE 1,10 ;
PICTURE "BKZ"
@ 5,19 SAY "to"
@ 12,16 GET mbuttons ;
PICTURE "g1" OK; \Cancel" ;
SIZE 1,8,5 ;
DEFAULT 1 ;
@ 5,1 SAY "Range"
IF NOT WISIBLE("w_num")
ACTIVATE WINDOW w_num
ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_num
REGION 0
IF m.talkstat = "ON"
SET TALK ON
ENDIF
IF m.compatat = "ON"
SET COMPATIBLE ON
ENDIF
* EOF : W6.AC1

```

07/20/92	W68.SPR	10:00:58
Author's Name		
Copyright (c) 1992 Company Name		
Address		
City, Zip		
Description:		
This program was automatically generated by GENSCREEN.		

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```

```

REGION 0
REGIONAL m.curraee, m.talkstat, m.compatat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT WEXIST("w_check")
DEFINE WINDOW w_check :
FROM INT((SROW()-17)/2), INT((SCOL()-63)/2) :
TO INT((SROW()-17)/2)+16, INT((SCOL()-63)/2)+62 :
TITLE "Single Choice Data Entry" :
FLOAT :
NOCLOSE :
SHADOW :
DOUBLE :
COLOR SCHEME 5
ENDIF

```

W68 Screen Layout

```

REGION 1
IF WVISIBLE("w_check")
ACTIVATE WINDOW w_check SAME
ELSE
ACTIVATE WINDOW w_check NOSHOW
ENDIF
@ 14,20 GET buttons ;
PICTURE "3-INT OK;\Cancel" ;
SIZE 1,8,5 ;

```

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```

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DEFAULT 1
@ 1,1 SAY prompt ;
SIZE 3,59 ;
PICTURE "a1" ;
@ 5,1 GET mchoice ;
FROM choices ;
SIZE 8,59 ;
DEFAULT 1 ;
COLOR SCHEME 6

IF NOT WVISIBLE("w_check")
ACTIVATE WINDOW w_check
ENDIF

READ CYCLE MODAL

RELEASE WINDOW w_check

REGION 0
IF m.talkstat = "ON"
SET TALK ON
ENDIF
IF m.compatat = "ON"
SET COMPATIBLE ON
ENDIF
* : EOF: W68.AC1

```

07/20/92	W6C.SPR	10:00:53
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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```

```

#REGION 0
REGIONAL m.curraea, m.talkstat, m.compatat

```

```

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT WEXIST("w_check")
  DEFINE WINDOW w_check
  FROM INT((SROW()-14)/2), INT((SCOL()-54)/2)
  TO INT((SROW()-14)/2)+13, INT((SCOL()-54)/2)+53 ;
  TITLE "Logical Data Entry" ;
  FLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 5
ENDIF

```

W6C Screen Layout

```

#REGION 1
IF WVISIBLE("w_check")
  ACTIVATE WINDOW w_check SAME
ELSE
  ACTIVATE WINDOW w_check NOSHOW
ENDIF
@ 11,14 GET mbuttons ;
  PICTURE "RIGHT OK;\?Cancel" ;
  SIZE 1,8,5 ;

```

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```

DEFAULT 1
@ 1,1 SAY mprompt ;
SIZE 3,50 ;
PICTURE "gt" ;
@ 6,22 GET mchoice ;
PICTURE "g-rvm yes:No" ;
SIZE 1,7,0 ;
DEFAULT 1 ;
@ 4,13 TO 9,38
  IF NOT WVISIBLE("w_check")
    ACTIVATE WINDOW w_check
  ENDIF
  READ CYCLE MODAL
  RELEASE WINDOW w_check
#REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatat = "ON"
  SET COMPATIBLE ON
ENDIF
* : EOF: W6C.AC1

```

07/20/92	W7.SPR	10:00:40
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

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```

```

REGION 0
REGIONAL m.curraee, m.talkstat, m.compatstat
-IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
-ELSE
m.talkstat = "OFF"
-ENDIF
m.compatstat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

```

Window definitions

```

-IF NOT MEXIST("w_disease")
DEFINE WINDOW w_disease ;
FROM INT((SROW()-16)/2),INT((SCOL()-39)/2) ;
TO INT((SROW()-16)/2)+15,INT((SCOL()-39)/2)+38 ;
TITLE "Diseases on file" ;
FLOAT ;
NOCLOSE ;
SHADOW ;
DOUBLE ;
COLOR SCHEME 5
-ENDIF

```

W7 Setup Code - SECTION 2

```

REGION 1
mchoice = 1

```

W7 Screen Layout

W7.AC1 10-16-92 10:51a

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```

REGION 1
-IF WVISIBLE("w_disease")
ACTIVATE WINDOW w_disease SAME
-ELSE
ACTIVATE WINDOW w_disease WSHOU
-ENDIF
@ 0,0 GET echoice ;
PICTURE "a87" ;
FROM mlst ;
SIZE 11,36 ;
DEFAULT 1 ;
COLOR SCHEME 6
@ 12,1 GET abuttons ;
PICTURE "a8HT Select;View;VCancel" ;
SIZE 1,8,4 ;
DEFAULT 1 ;
-IF NOT WVISIBLE("w_disease")
ACTIVATE WINDOW w_disease
-ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_disease
REGION 0
-IF m.talkstat = "ON"
SET TALK ON
-ENDIF
-IF m.compatstat = "ON"
SET COMPATIBLE ON
-ENDIF
* : EOF: W7.AC1

```

Page 1 of 1

08/03/92	W7A.SPR	16:06:10
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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```

```

#REGION 0
REGIONAL m.curraea, m.talkstat, m.compatat

```

```

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT MEXIST("w_dislook")
  DEFINE WINDOW w_dislook ;
  FROM INT((SQW()-19)/2), INT((SCOL()-40)/2) ;
  TO INT((SQW()-19)/2)+18, INT((SCOL()-40)/2)+39 ;
  TITLE "Disease/Treatment Reference" ;
  NOFLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 5
ENDIF

```

W7A Setup Code - SECTION 2

```

#REGION 1
mchoice = 1

```

W7A Screen Layout

```

67 #REGION 1
68 IF VISIBLE("w_dislook")
69   ACTIVATE WINDOW w_dislook SAME
70 ELSE
71   ACTIVATE WINDOW w_dislook NOSHOW
72 ENDIF
73 @ 0,1 GET mchoice ;
74   PICTURE "##T" ;
75   FROM wlist ;
76   SIZE 15,35 ;
77   DEFAULT 1 ;
78   VALID q7dy1112( ) ;
79   COLOR SCHEME 6
80 @ 15,10 GET mbuttons ;
81   PICTURE "##HT \\<View;<Quit" ;
82   SIZE 1,8,4 ;
83   DEFAULT 1 ;
84
85 IF NOT VISIBLE("w_dislook")
86   ACTIVATE WINDOW w_dislook
87 ENDIF
88
89 READ CYCLE
90
91 RELEASE WINDOW w_dislook
92
93 #REGION 0
94 IF m.talkstat = "ON"
95   SET TALK ON
96 ENDIF
97 IF m.compatat = "ON"
98   SET COMPATIBLE ON
99 ENDIF
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116
117 FUNCTION q7dy1112  AS mchoice VALID
118 #REGION 1
119 mbuttons = 1
120 * : EOF: W7A.AC1
121

```

_q7dy1112	mchoice VALID
Function Origin:	
From Screen:	W7A, Record Number: 2
Variable:	mchoice
Called By:	VALID Clause
Object Type:	List
Snippet Number:	1

10/13/92	W8.PRG	09:54:30
Roy Dobbin & Hoa Ly		
Copyright (c) 1992		
Naval Health Research Center, code 22		
P.O. Box 85122		
San Diego, CA 92186-5122		
Description:		
This program was automatically generated by GENSCRN.		

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```

```

REGION 0
REGIONAL m.currarea, m.talkstat, m.compatstat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compatstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

Window definitions

```

IF NOT VEXIST("w_dview")
DEFINE WINDOW w_dview
FROM INT((SRON()-19)/2), INT((SCOL()-80)/2)
TO INT((SRON()-19)/2)+18, INT((SCOL()-80)/2)+79
TITLE "Disease Description"
FLOAT
NOCLOSE
SHADOW
DOUBLE
COLOR SCHEME 5
ENDIF

```

W8 Screen Layout

```

REGION 1
IF VISIBLE("w_dview")
ACTIVATE WINDOW w_dview SAME
ELSE
ACTIVATE WINDOW w_dview NOSHOW

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```

```

--ENDIF
@ 1,0 EDIT mhelp ;
SIZE 15,78,0 ;
DEFAULT " " ;
SCROLL ;
MODIFY ;
@ 16,34 GET mbuttons ;
PICTURE "g=HT OK" ;
SIZE 1,8,4 ;
DEFAULT " " ;
--IF NOT VISIBLE("w_dview")
ACTIVATE WINDOW w_dview
ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_dview
SELECT (m.currarea)

REGION 0
--IF m.talkstat = "ON"
SET TALK ON
ENDIF
--IF m.compatstat = "ON"
SET COMPATIBLE ON
ENDIF
* : EOF: W8.ACT

```

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07/02/92      W9.SPR      11:15:35

Author's Name
Copyright (c) 1992 Company Name
Address
City,      Zip
Description:
This program was automatically generated by GENSCREEN.

REGION 0
REGIONAL m.curraea, m.talkstat, m.compatat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

Window definitions

IF NOT EXIST("w.popsag")
DEFINE WINDOW w.popsag
FROM INT((SROW()-8)/2),INT((SCOL()-36)/2)
TO INT((SROW()-8)/2)+7,INT((SCOL()-36)/2)+35;
TITLE "Warning";
FLOAT;
NOCLOSE;
SHADOW;
DOUBLE;
COLOR SCHEME 7
ENDIF

W9 Screen Layout

REGION 1
IF VISIBLE("w.popsag")
ACTIVATE WINDOW w.popsag SAME
ELSE
ACTIVATE WINDOW w.popsag MOSHOW
ENDIF
@ 1,1 SAY errstr;
SIZE 3,31
@ 5,14 GET mbuttons;

```

```

67 PICTURE "RIGHT OK";
68 SIZE 1,4,1;
69 DEFAULT;
70
71 IF NOT VISIBLE("w.popsag")
72 ACTIVATE WINDOW w.popsag
73 ENDIF
74
75 READ CYCLE MODAL
76
77 RELEASE WINDOW w.popsag
78
79 REGION 0
80 IF m.talkstat = "ON"
81 SET TALK ON
82 ENDIF
83 IF m.compatat = "ON"
84 SET COMPATIBLE ON
85 ENDIF
86
87 =: EOF: W9.AC1

```

07/20/92	W10.SPR	10:00:36
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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```

REGION 0
REGIONAL m.curreee, m.talkstat, m.compatat

```

```

IF SET("TALK") = "ON"
  SET TALK Off
  m.talkstat = "ON"
ELSE
  m.talkstat = "Off"
ENDIF
m.compatat = SET("COMPATIBLE")
SET "COMPATIBLE FORPLUS"

```

Window definitions

```

IF NOT EXIST(" q710lgdb1")
  DEFINE WINDOW q710lgdb1
  FROM INT((SROW()-9)/2),INT((SCOL()-35)/2)
  TO INT((SROW()-9)/2)+8,INT((SCOL()-35)/2)+34
  TITLE "Confirm"
  FLOAT
  CLOSE
  SHADOW
  COLOR SCHEME 1
ENDIF

```

W10 Screen Layout

```

REGION 1
IF WISIBLE(" q710lgdb1")
  ACTIVATE WINDOW q710lgdb1 SAME
ELSE
  ACTIVATE WINDOW q710lgdb1 NOSHOW
ENDIF
@ 1,1 SAY m.prompt
@ 4,31 SIZE 4,31
@ 6,7 GET m.buttons
PICTURE "OK;Cancel"

```

W10.AC1 10-14-92 10:51a

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```

```

SIZE 1,8,1
DEFAULT {
  IF NOT WISIBLE(" q710lgdb1")
    ACTIVATE WINDOW q710lgdb1
  ENDIF
  READ CYCLE MODAL
  RELEASE WINDOW q710lgdb1
  #REGION 0
  IF m.talkstat = "ON"
    SET TALK ON
  ENDIF
  IF m.compatat = "ON"
    SET COMPATIBLE ON
  ENDIF
  *: EOF: W10.AC1

```



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```

07/20/92	W11.SPR	10:01:02
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

```

REGION 0
REGIONAL m.currares, m.talkstat, m.compatat
IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT EXIST("w_pend")
  DEFINE WINDOW w_pend
  FROM INT((SROW()-19)/2), INT((SCOL()-59)/2) ;
  TO INT((SROW()-19)/2)+18, INT((SCOL()-59)/2)+58 ;
  TITLE "Pending Encounters" ;
  FLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 5
ENDIF

```

W11 Setup Code - SECTION 2

```

REGION 1
mchoice = 1

```

W11 Screen Layout

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```

```

REGION 1
IF WISIBLE("w_pend")
  ACTIVATE WINDOW w_pend SAME
ELSE
  ACTIVATE WINDOW w_pend NOSHOW
ENDIF
@ 6,1 GET mchoice ;
  PICTURE "a2m" ;
  FROM mlist ;
  SIZE 9,55 ;
  DEFAULT 1 ;
  COLOR SCHEME 6
@ 16,11 GET mbuttons ;
  PICTURE "a2m" Resume;New;\?Cancel" ;
  SIZE 1,8,5 ;
  DEFAULT 1 ;
@ 3,1 SAY "date"
@ 1,1 SAY "patient"
@ 1,10 SAY "akey" ;
  SIZE 1,10
@ 3,10 SAY "update" ;
  SIZE 1,10

IF NOT WISIBLE("w_pend")
  ACTIVATE WINDOW w_pend
ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_pend

REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatat = "ON"
  SET COMPATIBLE ON
ENDIF
=: EOF: W11.ACT

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```

10/13/92	W12.SPR	14:17:09
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

```

REGION 0
REGIONAL m.curreas, m.talkstat, m.compatat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "Off"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT WEXIST("w_encount")
DEFINE WINDOW w_encount
FROM 1,0
TO 22,79
TITLE "Patient Encounter"
NOFLOAT
NOCLOSE
DOUBLE
COLOR SCHEME 5
ENDIF
IF NOT WEXIST("w_warning")
DEFINE WINDOW w_warning
FROM 23,0
TO 24,79
NOFLOAT
NOCLOSE
NONE
COLOR SCHEME 5
ENDIF

```

W12 Screen Layout

W12.AC1 10-14-92 10:51a

```

67 #REGION 1
68 IF WVISIBLE("w_encount")
69 ACTIVATE WINDOW w_encount SAME
70 ELSE
71 ACTIVATE WINDOW w_encount NOSHOW
72 ENDIF
73 @ 0,5 GET me_dateenc ;
74 SIZE 1,8 ;
75 DEFAULT ( / / ) ;
76 DISABLE
77 @ 0,20 GET me_timeenc ;
78 SIZE 1,5 ;
79 DEFAULT " " ;
80 DISABLE
81 @ 0,34 GET me_state ;
82 SIZE 1,4 ;
83 DEFAULT " " ;
84 DISABLE
85 @ 0,52 GET me_providr ;
86 SIZE 1,24 ;
87 DEFAULT " " ;
88 DISABLE
89 @ 1,13 GET me_lastname ;
90 SIZE 1,28 ;
91 DEFAULT " " ;
92 DISABLE
93 @ 1,49 GET me_firstname ;
94 SIZE 1,22 ;
95 DEFAULT " " ;
96 PICTURE "a1" ;
97 DISABLE
98 @ 2,4 GET me_ssn ;
99 SIZE 1,11 ;
100 DEFAULT " " ;
101 PICTURE "99-99-9999" ;
102 DISABLE
103 @ 2,31 GET me_sex ;
104 SIZE 1,6 ;
105 DEFAULT " " ;
106 PICTURE "a1" ;
107 DISABLE
108 @ 2,47 GET me_age ;
109 SIZE 1,3 ;
110 DEFAULT " " ;
111 DISABLE
112 @ 4,0 GET mckcompl ;
113 PICTURE "g-HN \<Complaint" ;
114 SIZE 1,12,1 ;
115 DEFAULT 1 ;
116 VALID editcomp()
117 @ 4,13 GET me_area ;
118 SIZE 1,24 ;
119 DEFAULT " " ;
120 DISABLE
121 @ 5,0 TO 13,38
122 @ 5,15 GET mckhndp ;
123 PICTURE "g-HN \<Symptom" ;
124 SIZE 1,9,1 ;
125 DEFAULT 1 ;
126 VALID edithndp()
127 @ 6,1 GET mckcond ;
128 PICTURE "g-HN" ;
129 FROM me_cond ;
130 SIZE 7,37 ;
131 DEFAULT 1 ;
132 VALID editcond(mckcond) ;

```

Page 1 of 4


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W12.AC1 10-14-92 10:51a
_Q9VOLUME80 Read Level Valid

Function Origin:
From Screen: Multiple Screens
Called By: READ Statement
Snippet Number: 7

```
FUNCTION _q9vome80 && Read Level Valid
* Valid Code from screen: W12
#REGION
  IF NOTOP("W12e")
    ACTIVATE WINDOW w_encount
  ENDIF
*: EOF: W12.AC1
```

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07/20/92	W13.SPR	10:01:36
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

```

#REGION 0
REGIONAL m.curarea, m.talkstat, m.compstat
IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT EXIST("w_undo")
  DEFINE WINDOW w_undo
  FROM INT((SROW()-12)/2), INT((SCOL()-32)/2)
  TO INT((SROW()-12)/2)+1, INT((SCOL()-32)/2)+31
  TITLE "Undo Options"
  FLOAT
  NOCLOSE
  SHADOW
  DOUBLE
  COLOR SCHEME 1
ENDIF

```

W13 Screen Layout

```

#REGION 1
IF WISIBLE("w_undo")
  ACTIVATE WINDOW w_undo SAME
ELSE
  ACTIVATE WINDOW w_undo NOSHOW
ENDIF
@ 1,2 GET mchoice
PICTURE "alt"
FROM mped

```

```

67 SIZE 7,26 ;
68 DEFAULT 1 ;
69 COLOR SCHEME 2
70 @ 9,5 GET mbuttons ;
71 PICTURE "PRINT OK,\Cancel" ;
72 SIZE 1,8,1 ;
73 DEFAULT 1 ;
74
75 IF NOT WISIBLE("w_undo")
76   ACTIVATE WINDOW w_undo
77 ENDIF
78 READ CYCLE MODAL
79 RELEASE WINDOW w_undo
80
81 #REGION 0
82 IF m.talkstat = "ON"
83   SET TALK ON
84 ENDIF
85 IF m.compstat = "ON"
86   SET COMPATIBLE ON
87 ENDIF
88 =: EOF: W13.AC1
89
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```

07/20/92	W14.SPR	10:00:31
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRM.		

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REGION 0
REGIONAL m.curree, m.talkstat, m.compatet

```

```

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatet = SET("COMPATIBLE",
SET COMPATIBLE FORPLUS

```

Window definitions

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```

IF NOT EXIST("w_list")
  DEFINE WINDOW w_list
  FROM INT((SROW()-14)/2), INT((SCOL()-52)/2)
  TO INT((SROW()-14)/2)+15, INT((SCOL()-52)/2)+51
  TITLE "Change Data"
  FLOAT
  NOCLOSE
  SHADOW
  DOUBLE
  COLOR SCHEME 1
ENDIF

```

W14 Screen Layout

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```

```

REGION 1
IF VISIBLE("w_list")
  ACTIVATE WINDOW w_list SAME
ELSE
  ACTIVATE WINDOW w_list NOSHOW
ENDIF
@ 1,0 GET mchoice
  PICTURE "dat"
  FROM mped

```

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```

```

SIZE 9,50
DEFAULT 1
COLOR SCHEME 2
@ 1,1 GET mbuttons
  PICTURE "m=NT OK;7Cancel"
  SIZE 1,8
  DEFAULT 1
ENDIF
IF NOT VISIBLE("w_list")
  ACTIVATE WINDOW w_list
ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_list
REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatet = "ON"
  SET COMPATIBLE ON
ENDIF
* : EOF: W14.AC1

```

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66 *

08/03/92      WP3.SPR      16:06:01

Author's Name
Copyright (c) 1992 Company Name
Address
City,      Zip
Description:
This program was automatically generated by GENSCRN.

REGION 0
REGIONAL m.currarea, m.talkstat, m.compatat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

Window definitions

IF NOT WEXIST("mp3")
DEFINE WINDOW mp3
FROM INT((SROW()-16)/2), INT((SCOL()-41)/2)
TO INT((SROW()-16)/2)+15, INT((SCOL()-41)/2)+40
TITLE "Patient in File"
NOFLOAT
NOCLOSE
SHADOW
DOUBLE
COLOR SCHEME 5
ENDIF

mp3 Setup Code - SECTION 2

REGION 1
mchoice=1

MP3 Screen Layout

```

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119 *
120 *
121 *

REGION 1
IF WVISIBLE("mp3")
ACTIVATE WINDOW mp3 SAME
ELSE
ACTIVATE WINDOW mp3 NOSHOW
ENDIF
@ 0,2 GET mchoice ;
PICTURE "a1" ;
FROM mlst ;
SIZE 12,34 ;
DEFAULT 1 ;
VALID q7w0yica9( ) ;
COLOR SCHEME 6
@ 12,2 GET mbuttons ;
PICTURE "a1" \<select;\<edit;\<cancel" ;
SIZE 1,8,5 ;
DEFAULT 1 ;

IF NOT WVISIBLE("mp3")
ACTIVATE WINDOW mp3
ENDIF

READ CYCLE MODAL
RELEASE WINDOW mp3

REGION 0
IF m.talkstat = "ON"
SET TALK ON
ENDIF
IF m.compatat = "ON"
SET COMPATIBLE ON
ENDIF

mchoice VALID
Function Origin:
From Screen:
Variable:
Called By:
Object Type:
Snippet Number:
MP3, mchoice
VALID Clause
List
1
Record Number: 2

FUNCTION _q7w0yica9
REGION 1
mbuttons = 1
*: EOF: WP3.AC1

```

```

_q7w0yica9      mchoice VALID
Function Origin:
From Screen:
Variable:
Called By:
Object Type:
Snippet Number:
MP3, mchoice
VALID Clause
List
1
Record Number: 2

```


07/20/92	MP4.SPR	00:01:46
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

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64 *
65 *
66 *

```

```

REGION 0
REGIONAL m.curarea, m.talkstat, m.compstat

```

```

IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

```

Window definitions

```

IF NOT EXIST("mp4")
DEFINE WINDOW mp4
FROM INT((SRON()-13)/2), INT((SCOL()-56)/2)
TO INT((SRON()-13)/2)+12, INT((SCOL()-56)/2)+55
TITLE "Encounter to Report"
NOFLOAT
NOCLOSE
SHADOW
DOUBLE
COLOR SCHEME 5
ENDIF

```

MP4 Screen Layout

```

REGION 1
IF WVISIBLE("mp4")
ACTIVATE WINDOW mp4 SAME
ELSE
ACTIVATE WINDOW mp4 NOSHOW
ENDIF
@ 1,20 GET msn ;
SIZE 1,12 ;
DEFAULT " " ;

```

```

67 PICTURE "MR 999-99-9999"
68 @ 1,3 SAY "Social Security:"
69 @ 3,3 SAY "Last Name:"
70 @ 5,3 SAY "First Name:"
71 @ 3,20 GET mlast ;
72 SIZE 1,31 ;
73 DEFAULT " " ;
74 @ 5,20 GET mfirst ;
75 SIZE 1,31 ;
76 DEFAULT " " ;
77 @ 7,3 SAY "Encounter date:"
78 @ 7,20 GET mdateenc ;
79 SIZE 1,10 ;
80 DEFAULT " / / " ;
81 @ 9,11 GET mbuttons ;
82 PICTURE "PRINT \\\<OK>\<Browse>\<Cancel>" ;
83 SIZE 1,8,3 ;
84 DEFAULT " " ;
85
86 IF NOT WVISIBLE("mp4")
87 ACTIVATE WINDOW mp4
88 ENDIF
89
90 READ CYCLE MODAL
91
92 RELEASE WINDOW mp4
93
94 #REGION 0
95 IF m.talkstat = "ON"
96 SET TALK ON
97 ENDIF
98 IF m.compstat = "ON"
99 SET COMPATIBLE ON
100 ENDIF
101
102 *
103 *
104 *
105 *
106 *
107 *
108 *
109
110 #REGION 1
111 RETURN mbuttons
112 *: EOF: MP4.AC1
113

```

MP4 Cleanup Code

07/20/92	WP5.SPR	10:01:51
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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17

```
#REGION 0
REGIONAL m.curraea, m.talkstat, m.compatat
```

```
IF SET("TALK") = "ON"
SET TALK OFF
ELSE
m.talkstat = "ON"
m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
```

Window definitions

```
IF NOT MEXIST("wp4")
DEFINE WINDOW wp4
FROM INT((SROW()-17)/2), INT((SCOL()-59)/2)
TO INT((SROW()-17)/2)+16, INT((SCOL()-59)/2)+58 ;
NOFLOAT ;
NOCLOSE ;
SHADOW ;
DOUBLE ;
COLOR SCHEME 5
ENDIF
```

MP5 Setup Code - SECTION 2

```
#REGION 1
mchoice = 1
```

MP5 Screen Layout

50
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66

```
67 #REGION 1
68 IF WISIBLE("wp4")
69 ACTIVATE WINDOW wp4 SAME
70 ELSE
71 ACTIVATE WINDOW wp4 NOSHOW
72 ENDIF
73 @ 4,0 GET mchoice ;
74 FROM alist ;
75 SIZE 9,55 ;
76 DEFAULT 1 ;
77 COLOR SCHEME 6
78 @ 14,18 GET mbuttons ;
79 PICTURE "gHT \OK;\?Cancel" ;
80 SIZE 18,5 ;
81 DEFAULT 1 ;
82 @ 2,0 SAY "Date"
83 @ 0,0 SAY "Patient"
84 @ 0,9 SAY mkey ;
85 SIZE 1,45 ;
86 @ 2,9 SAY mdate ;
87 SIZE 1,10
88
89
90 IF NOT WISIBLE("wp4")
91 ACTIVATE WINDOW wp4
92 ENDIF
93 READ CYCLE MODAL
94 RELEASE WINDOW wp4
95
96 #REGION 0
97 IF m.talkstat = "ON"
98 SET TALK ON
99 ENDIF
100 IF m.compatat = "ON"
101 SET COMPATIBLE ON
102 ENDIF
103
104
105
106
107
108
109
110
111
112
113
114 #REGION 1
115 RETURN mchoice
116 *: EOF: WP5.AC1
117
```

MP5 Cleanup Code

07/20/92	MP6.SPR	10:01:55
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

```

1 *
2 *
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6 *
7 *
8 *
9 *
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11 *
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13 *
14 *
15 *
16 *
17 *

```

```

18 #REGION 0
19 REGIONAL m.currares, m.talkstat, m.compatat
20
21
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33
34
35
36
37

```

```

22 IF SET("TALK") = "ON"
23 SET TALK OFF
24 m.talkstat = "ON"
25 ELSE
26 m.talkstat = "OFF"
27 ENDIF
28 m.comps.at = SET("COMPATIBLE")
29 SET COMPATIBLE FOXPLUS
30
31
32
33
34
35
36
37

```

Window definitions

```

38 IF NOT WEXIST("wp6")
39 DEFINE WINDOW wp6 ;
40 FROM INT((SROW()-20)/2), INT((SCOL()-77)/2) ;
41 TO INT((SROW()-20)/2)+19, INT((SCOL()-77)/2)+76 ;
42 TITLE "Report Editing" ;
43 MOFLOAT ;
44 NOCLOSE ;
45 SHADOW ;
46 DOUBLE ;
47 COLOR SCHEME 5
48 ENDIF
49
50
51
52
53
54
55
56
57
58

```

MP6 Screen Layout

```

59 #REGION 1
60 IF WISIBLE("wp6")
61 ACTIVATE WINDOW wp6 SAME
62 ELSE
63 ACTIVATE WINDOW wp6 HOSHOW
64 ENDIF
65 @ 1,1 EDIT mstr ;
66 SIZE 15,73,0 ;
67 DEFAULT " " ;

```

```

67 TAB ;
68 SCROLL
69 @ 17,23 GET mbuttons ;
70 PICTURE "g=HT \<Print;\<Save;\<Cancel" ;
71 SIZE 1,8,4 ;
72 DEFAULT 1 ;
73
74 IF NOT WISIBLE("wp6")
75 ACTIVATE WINDOW wp6
76 ENDIF
77
78 READ CYCLE MODAL
79
80 RELEASE WINDOW wp6
81
82 #REGION 0
83 IF m.talkstat = "ON"
84 SET TALK ON
85 ENDIF
86 IF m.compatat = "ON"
87 SET COMPATIBLE ON
88 ENDIF
89 *: EOF: MP6.AC1
90

```

07/20/92	WP7.SPR	10:02:00
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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66

```

REGION 0
REGIONAL m.curarea, m.talkstat, m.compatat
IF SET("TALK") = "ON"
SET TALK OFF
m.talkstat = "ON"
ELSE
m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT MEXIST("wp7")
DEFINE WINDOW wp7 ;
FROM INT((ROW()-13)/2), INT((COL()-43)/2) ;
TO INT((ROW()-13)/2)+12, INT((COL()-43)/2)+42 ;
TITLE "Print Option" ;
FLOAT ;
NOCLOSE ;
SHADOW ;
DOUBLE ;
COLOR SCHEME 5
ENDIF

```

WP7 Setup Code - SECTION 2

```

REGION 1
PRIVATE mchoice, mprintfile, mfilename, i
mchoice = 1
mfilename = "sf600.txt"
mprintfile = mfilename

```

WP7 Screen Layout

```

67 *
68 *
69 *
70 *
71 #REGION 1
72 IF WISIBLE("wp7")
73 ACTIVATE WINDOW wp7 SAME
74 ELSE
75 ACTIVATE WINDOW wp7 NOSHOW
76 ENDIF
77 @ 0,0 TO 3,40
78 @ 5,0 TO 8,40
79 @ 6,1 SAY "Filename:"
80 @ 6,11 GET mprintfile ;
81 SIZE 1,29 ;
82 DEFAULT " " ;
83 VALID q710177m()
84 @ 10,9 GET mbuttons ;
85 PICTURE "p*HT OK;\?Cancel" ;
86 SIZE 1,8,5 ;
87 DEFAULT " " ;
88 VALID q710177f()
89 @ 1,24 GET mchoice ;
90 PICTURE "p*RVN File;Printer" ;
91 SIZE 1,11,0 ;
92 DEFAULT " " ;
93 VALID q710177o()
94 @ 1,1 SAY "Print Encounter to:"
95
96 IF NOT WISIBLE("wp7")
97 ACTIVATE WINDOW wp7
98 ENDIF
99
100 READ CYCLE MODAL
101
102 RELEASE WINDOW wp7
103
104 #REGION 0
105 IF m.talkstat = "ON"
106 SET TALK ON
107 ENDIF
108 IF m.compatat = "ON"
109 SET COMPATIBLE ON
110 ENDIF
111
112 *
113 *
114 *
115 *
116 *
117 *
118 *
119 *
120 *
121 *
122 *
123 *
124 *
125 *
126 *
127 FUNCTION q710177m @L mprintfile VALID
128 #REGION 1
129 mfilename = mprintfile
130 RETURN .T.
131
132 *

```

_q710177m	mprintfile VALID
Function Origin:	
From Screen:	wp7
Variable:	mprintfile
Called By:	VALID Clause
Object Type:	field
Snippet Number:	1
Record Number: 5	

```

133 *
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179 *
180 *

```

_q71011777 mbuttons VALID

Function Origin:

From Screen: WP7, Record Number: 6

Variable: mbuttons

Called By: VALID Clause

Object Type: Push Button

Snippet Number: 2

```

145 FUNCTION _q71011777      22 mbuttons VALID
146 #REGION 1
147 IF mbuttons = 1
148 IF EMPTY(mprintfile)
149 DO sprint WITH mprintfile, mtext
150 ENDIF
151 ENDIF
152 RETURN
153
154 *
155 *
156 *
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158 *
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160 *
161 *
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179 *
180 *

```

_q7101170J mchoice VALID

Function Origin:

From Screen: WP7, Record Number: 7

Variable: mchoice

Called By: VALID Clause

Object Type: Radio Button

Snippet Number: 3

```

168 *
169 *
170 *
171 *
172 *
173 *
174 *
175 *
176 *
177 *
178 *
179 *
180 *

```

FUNCTION _q7101170j 22 mchoice VALID

#REGION 1

IF mchoice = 1

mprintfile = mfilename

CURSORJ = OBJNUM(mprintfile)

ELSE

mprintfile = "PRINT"

ENDIF

SHOW GETS

RETURN .T.

***: EOF: MP7.AC1**

```

1  *
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6  *
7  *
8  *
9  *
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```

07/20/92	WP8.SPR	10:02:06
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRM.		

```

REGION 0
REGIONAL m.curraea, m.talkstat, m.compatat
IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT MEXIST("wp3")
  DEFINE WINDOW wp3
  FROM INT((SHOW()-16)/2), INT((SCOL()-41)/2)
  TO INT((SHOW()-16)/2)+15, INT((SCOL()-41)/2)+40
  TITLE "Patient In File"
  NOFLOAT
  NOCLOSE
  SHADOW
  DOUBLE
  COLOR SCHEME 5
ENDIF

```

WP8 Setup Code - SECTION 2

```

REGION 1
mchoice=1

```

WP8 Screen Layout

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101

```

```

REGION 1
IF WISIBLE("wp3")
  ACTIVATE WINDOW wp3 SAME
ELSE
  ACTIVATE WINDOW wp3 NOSHOW
ENDIF
@ 0,2 GET mchoice ;
  PICTURE "###" ;
  FROM mlst ;
  SIZE 12,34 ;
  DEFAULT 1 ;
  COLOR SCHEME 6
@ 12,8 GET mbuttons ;
  PICTURE "###" ;
  SIZE 1,8,5 ;
  DEFAULT 1 ;
IF NOT WISIBLE("wp3")
  ACTIVATE WINDOW wp3
ENDIF
READ CYCLE MODAL
RELEASE WINDOW wp3
REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatat = "ON"
  SET COMPATIBLE ON
ENDIF
* EOF: WP8.AC1

```

07/06/92	W12A.SPR	10:46:49
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

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```

```

REGION 0
REGIONAL m.curarea, m.talkstat, m.compatstat
-IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
-ELSE
  m.talkstat = "OFF"
-ENDIF
m.compatstat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

```

Window definitions

```

-IF NOT EXIST("w_handp")
  DEFINE WINDOW w_handp
  FROM INT((SROW()-21)/2), INT((SCOL()-80)/2) ;
  TO INT((SROW()-21)/2)+20, INT((SCOL()-80)/2)+79 ;
  NOFLOAT ;
  NOCLOSE ;
  NONE ;
  COLOR SCHEME 5
-ENDIF

```

W12A Screen Layout

```

REGION 1
-IF VISIBLE("w_handp")
  ACTIVATE WINDOW w_handp SAME
-ELSE
  ACTIVATE WINDOW w_handp NOSHOW
-ENDIF
@ 0,0 TO 20,79
@ 1,2 GET second ;
  PICTURE "9999" ;
FROM me cond ;
SIZE 19,76 ;

```

```

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131 *
132 *

```

```

DEFAULT 1 ;
VALID editcond(mcond1) ;
COLOR SCHEME 6
@ 0,36 GET mchandp ;
  PICTURE "9999" <Symptom> ;
  SIZE 1,9,1 ;
  DEFAULT 1 ;
  VALID editcond(mcond1) ;
  PICTURE "9999" ;
  SIZE 1,1,1 ;
  DEFAULT 0 ;
  VALID q740n3u9y(
    @ 0,76 SAY CHR(31) ;
    SIZE 1,1
  )
  @ 0,77 GET memax ;
  PICTURE "9999" ;
  SIZE 1,1,1 ;
  DEFAULT 0 ;
  VALID q740n3u9y(
    @ 0,77 SAY CHR(30) ;
    SIZE 1,1
  )
-IF NOT VISIBLE("w_handp")
  ACTIVATE WINDOW w_handp
-ENDIF
READ CYCLE MODAL
RELEASE WINDOW w_handp

```

```

REGION 0
-IF m.talkstat = "ON"
  SET TALK ON
-ENDIF
-IF m.compatstat = "ON"
  SET COMPATIBLE ON
-ENDIF

```

_q740n3u9y
 Function Origin:
 From Screen:
 Variable:
 Called By:
 Snippet Number:

memax VALID
 W12A,
 memax
 VALID Clause
 1

FUNCTION _q740n3u9y
 REGION 1
 -RELEASE("w_handp")

_q740n3u9y
 Function Origin:
 From Screen:
 Variable:
 Called By:

memax VALID
 W12A,
 memax
 VALID Clause
 7

Snippet Number: 2

133 *
 134 *
 135 *
 136 *
 137 FUNCTION q74On3Jhf 24 memax VALID
 138 REGION 1
 139 IF NOT MONTOP("W12A")
 140 DO W12a.spr
 141 ENDIF
 142 *:
 143 EOF: W12A.AC1


```

67 VALID _q740n3xwa( )
68 @ 1,1 GET mdiagl ;
69 PICTURE "Q84M" ;
70 FROM mdiagl ;
71 SIZE 19,77 ;
72 DEFAULT 1 ;
73 VALID editvdiag(mdiagl) ;
74 COLOR SCHEME 6
75 @ 0,38 GET mckassiat ;
76 PICTURE "Q84M" \<Assiat" ;
77 SIZE 1,8,1 ;
78 DEFAULT 1 ;
79 VALID editassiat( )
80 @ 0,78 GET memax ;
81 PICTURE "Q84M" " ;
82 SIZE 1,1,1 ;
83 DEFAULT 0 ;
84 VALID _q740n3y5o( )
85 @ 0,78 SAY CHR(30) ;
86 SIZE 1,1
87 @ 0,77 SAY CHR(31) ;
88 SIZE 1,1
89
90 [ IF NOT WVISIBLE("W_assiat")
91   ACTIVATE WINDOW W_assiat
92 ]
93 ENDIF
94
95 READ CYCLE MODAL
96
97 RELEASE WINDOW W_assiat
98
99 #REGION 0
100 [ IF W_talkstat = "ON"
101   SET TALK ON
102 ]
103 ENDIF
104 [ IF M_comstat = "ON"
105   SET COMPATIBLE ON
106 ]
107 ENDIF
108
109 *
110 *
111 *
112 *
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114 *
115 *
116 *
117 *
118 *
119 *
120 FUNCTION _q740n3xwa
121 #REGION 1
122 =RELEASE("W_assiat")
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```

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```

07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

```

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07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

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07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

```

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07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

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```

07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

```

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07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

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```

07/06/92
V12B.SPR
10:46:54

Author's Name

Copyright (c) 1992 Company Name

Address

City, Zip

Description:

This program was automatically generated by GENSCRN.

```

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```

Called By: VALID Clause
Snippet Number: 2

```

133 *
134 *
135 *
136 *
137 *
138 FUNCTION q740n3y5o 24 nmax VALID
139 #REGION 1
140 IF NOT MONTOP("w_assist")
141 DO w12b.spr
142 ENDIF
143 *; EOF: W12B.AC1
144

```

07/06/92	W12C.SPR	10:46:59
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRM.		

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```

```

REGION 0
REGIONAL m.curarea, m.talkstat, m.compstat

```

```

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS

```

Window definitions

```

IF NOT EXISTS("w_treat")
  DEFINE WINDOW w_treat
  FROM INT((SROW()-21)/2), INT((SCOL()-80)/2) ;
  TO INT((SROW()-21)/2)+20, INT((SCOL()-80)/2)+79 ;
  TITLE "Treatment" ;
  NOFLOAT ;
  NOCLOSE ;
  NONE ;
  COLOR SCHEME 5
ENDIF

```

W12C Screen Layout

```

REGION 1
IF VISIBLE("w_treat")
  ACTIVATE WINDOW w_treat SAME
ELSE
  ACTIVATE WINDOW w_treat NOSHOW
ENDIF
@ 0,0 TO 20,79
@ 2,2 EDIT me_treat ;
SIZE 17,76,0 ;
DEFAULT " " ;

```

W12C.AC1 10-14-92 10:52a

```

67 SCROLL
68 @ 0,76 GET mtmax ;
69 PICTURE "99999999" ;
70 SIZE 1,1,1 ;
71 DEFAULT 0 ;
72 VALID _q740n41w1( ;
73 @ 0,75 GET mtnorm ;
74 PICTURE "99999999" ;
75 SIZE 1,1,1 ;
76 DEFAULT 0 ;
77 VALID _q740n423h( ;
78 @ 0,76 SAY CHR(31) ;
79 SIZE 1,1,1 ;
80 @ 0,75 SAY CHR(31) ;
81 SIZE 1,1,1 ;
82 @ 0,36 GET mcktreast ;
83 PICTURE "99999999" ;
84 SIZE 1,12,1 ;
85 DEFAULT 1 ;
86 VALID _edittreast ;
87
88 IF NOT VISIBLE("w_treat")
89 ACTIVATE WINDOW w_treat
90 ENDIF
91
92 READ CYCLE MODAL
93
94 RELEASE WINDOW w_treat
95
96 #REGION 0
97 IF m.talkstat = "ON"
98 SET TALK ON
99 ENDIF
100 IF m.compstat = "ON"
101 SET COMPATIBLE ON
102 ENDIF
103
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```

```

IF NOT VISIBLE("w_treat")
  ACTIVATE WINDOW w_treat
ENDIF

```

READ CYCLE MODAL

RELEASE WINDOW w_treat

#REGION 0

```
IF m.talkstat = "ON"
```

```
SET TALK ON
```

```
ENDIF
```

```
IF m.compstat = "ON"
```

```
SET COMPATIBLE ON
```

```
ENDIF
```

_q740n41w1	mtmax VALID
Function Origin:	W12C, Record Number: 4
From Screen:	mtmax
Variable:	VALID Clause
Called By:	1
Snippet Number:	

FUNCTION _q740n41w1 22 mtmax VALID

#REGION 1

```
IF NOT VISIBL("w_treat")
```

```
DO W12c.spr
```

```
ENDIF
```

_q740n423h	mtnorm VALID
Function Origin:	W12C, Record Number: 5
From Screen:	mtnorm
Variable:	

Page 1 of 2

Called By: VALID Clause
Snippet Number: 2

133
134
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142

*
*
*
*
*
FUNCTION q740r423h 22 mtnorm VALID
#REGION 1
=RELEASE("w treat")
*: EOF: M12C.AC1

08/20/92	WP1.PRG	16:00:07
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRM.		

```

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```

```

REGION 0
REGIONAL m.currarea, m.talkstat, m.compatstat

```

```

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatstat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```

Window definitions

```

IF NOT EXISTS("wp1")
  DEFINE WINDOW wp1 ;
  FROM INT((SQROW()-11)/2), INT((SQCOL()-57)/2) ;
  TO INT((SQROW()-11)/2)+10, INT((SQCOL()-57)/2)+56 ;
  TITLE "Patient Selection" ;
  NOFLOAT ;
  NOCLOSE ;
  SHADOW ;
  DOUBLE ;
  COLOR SCHEME 5
ENDIF

```

WP1 Setup Code - SECTION 2

```

REGION 1
msecsec = " "
mlastname = ""
mfirstname = ""
mresult = ""

```

WP1 Screen Layout

```

REGION 1
IF NOT EXISTS("wp1")
  ACTIVATE WINDOW wp1 SAME
ELSE
  ACTIVATE WINDOW wp1 NOSHOW
ENDIF
0 1,3 SAY "Social Security: "
0 3,3 SAY "Lastname:"
0 5,3 SAY "Firstname:"
0 1,20 GET msecsec ;
  SIZE 1,11 ;
  DEFAULT " "
0 3,20 GET mlastname ;
  SIZE 1,31 ;
  DEFAULT " "
  PICTURE "911"
0 5,20 GET mfirstname ;
  SIZE 1,31 ;
  DEFAULT " "
  PICTURE "911"
0 8,9 GET mchoice ;
  PICTURE "9999" (\COL;\CROUSE;\CANCEL" ;
  SIZE 1,10,3 ;
  DEFAULT " "
  VALID _qdbdyardut()
IF NOT EXISTS("wp1")
  ACTIVATE WINDOW wp1
ENDIF
READ CYCLE MODAL
RELEASE WINDOW wp1
SELECT (m.currarea)
REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatstat = "ON"
  SET COMPATIBLE ON
ENDIF

```

WP1 Cleanup Code

```

REGION 1
DEACTIVATE WINDOW wp1
RELEASE WINDOW wp1
RETURN mresult

```

_Q800YAR6U mchoice VAL10
 Function Origin:
 From Screen: WP1, Record Number: 8
 Variable: mchoice
 Called By: VAL10 Clause
 Object Type: Push Button
 Snippet Number: 1

```

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142 *
143 *
144 *
145 *
146 *
147 *
148 FUNCTION _q800yar6u                      22                      mchoice VAL10
149 #REGION 1
150 DO CASE
151 -CASE mchoice = 1
152                      mresult = search(mocsec, mlastname, mfirstname)
153                      -IF EMPTY(mresult)
154                                              CLEAR READ
155                      -ENDIF
156 -CASE mchoice = 2
157                      mresult = browsepat()
158                      -IF EMPTY(mresult)
159                                              CLEAR READ
160                      -ENDIF
161 -CASE mchoice = 3
162                      mresult = ""
163                      CLEAR READ
164 -ENDCASE
165 RETURN mresult
166
167
168 *: EOF: MP1.ACT
    
```

08/20/92	WP2.PRG	13:56:56
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCREEN.		

WP2 Setup Code - SECTION 1

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66 *

```

```

#REGION 1
PARAMETERS mflag, mitem
IF PARAMETERS() = 0
  mflag = .T.
ENDIF
mnew = mflag
mrosams = .F.
mptopen = .T.
u = ""
mfinal = ""
IF PARAMETERS() < 2
  mlast = ""
  mfirst = ""
  mmiddle = ""
  msn = ""
  msn = CTOD(" / ")
  msn = "MM"
  msn = ""
  mlast = dp(mitem,u,2)
  mfirst = dp(mitem,u,3)
  mmiddle = dp(mitem,u,4)
  msn = dp(mitem,u,1)
  msn = CTOD(dp(mitem,u,5))
  msn = dp(mitem,u,6)
  msn = IIF(EMPTY(msn), "MM", msn)
  msn = dp(mitem,u,7)
  msn = VAL(dp(mitem,u,8))
  msn = VAL(dp(mitem,u,9))
ENDIF
mlast = IIF(EMPTY(mlast), SPACE(25), mlast)
mfirst = IIF(EMPTY(mfirst), SPACE(25), mfirst)
moldsn = msn
spuhelp("PATIENT DETAILS")
#REGION 0
REGIONAL m.curarea, m.talkstat, m.compatat
IF SET("TALK") = "ON"

```

```

67 SET TALK OFF
68 m.talkstat = "ON"
69 ELSE
70 m.talkstat = "Off"
71 ENDIF
72 m.compatat = SET("COMPATIBLE")
73 SET COMPATIBLE FOXPLUS
74 m.curarea = SELECT()
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```

```

IF NOT EXIST("wp2")
  DEFINE WINDOW wp2
  FROM INT((SROW()-17)/2), INT((SCOL()-50)/2)
  TO INT((SROW()-17)/2)+16, INT((SCOL()-50)/2)+49
  TITLE "Patient Enter/Edit"
  NOFLOAT
  NOCLOSE
  SHADOW
  DOUBLE
  COLOR SCHEME 5
ENDIF

```

```

#REGION 1
IF VISIBILE("wp2")
  ACTIVATE WINDOW wp2 SAME
ELSE
  ACTIVATE WINDOW wp2 MOSHOW
ENDIF
@ 0,2 SAY "Social security"
@ 2,2 SAY "Last name"
@ 4,2 SAY "First name"
@ 8,2 SAY "Date of birth"
@ 10,2 SAY "Sex"
@ 12,2 SAY "Rate / rank"
@ 6,2 SAY "Middle Initial"
@ 0,19 GET msn
SIZE 1,11
DEFAULT " "
PICTURE "GR 999-99-9999"
VALID qd0twc4()
@ 2,19 GET mlast
SIZE 1,27
DEFAULT " "
PICTURE "GIT"
@ 4,19 GET mfirst
SIZE 1,27
DEFAULT " "
PICTURE "GIT"
@ 6,19 GET mmiddle
SIZE 1,1

```

Window definitions

WP2 Screen Layout

```

133 DEFAULT " " ;
134 PICTURE "QA1" ;
135 @ 8,19 GET mdo ;
136 SIZE 1,8 ;
137 DEFAULT ( / / ) ;
138 VALID _q8d0twktt( ) ;
139 @ 10,19 GET msk ;
140 SIZE 1,1 ;
141 DEFAULT " " ;
142 PICTURE "QA1" ;
143 @ 12,19 GET wrnk ;
144 SIZE 1,28 ;
145 DEFAULT " " ;
146 PICTURE "QA1" ;
147 @ 14,13 GET maction ;
148 PICTURE "g" "H" \OK;\<CANCEL" ;
149 SIZE 1,8,3 ;
150 DEFAULT 1 ;
151 VALID _q8d0twdv1( ) ;
152
153 IF NOT UNVISIBLE("wp2")
154   ACTIVATE WINDOW wp2
155 ENDIF
156
157 READ CYCLE MODAL
158
159 RELEASE WINDOW wp2
160 SELECT (m.currarea)
161
162
163 #REGION 0
164 IF m.talkstat = "CON"
165   SET TALK ON
166 ENDIF
167 IF m.comstat = "CON"
168   SET COMPATIBLE ON
169 ENDIF
170
171
172
173
174
175
176
177
178
179 #REGION 1
180 =pophelp( )
181 DEACTIVATE WINDOW wp2
182 RELEASE WINDOW wp2
183 RETURN mfinal
184
185
186
187
188
189
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194
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198

```

WP2 Cleanup Code

```

199
200 FUNCTION _q8d0twc24 24 mskn VALID
201 #REGION 1
202 IF mdoasn = mskn
203   invalid = .T.
204 ELSE
205   msel = SELECT( )
206   SELECT patient
207   SET ORDER TO 1
208   IF SEEK(mskn)
209     invalid = .F.
210     mskn = mdoasn
211     =popmessage("Duplicate Social Security Number")
212     CURSOR = CURSOR(mskn)
213     SHOW GETS
214   ELSE
215     invalid = .T.
216     mdoasn = mskn
217   ENDIF
218   SELECT (msel)
219   ENDIF
220   RETURN
221
222
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236
237 FUNCTION _q8d0twdkt 24 mdo VALID
238 #REGION 1
239 IF mdo > DATE( )
240   RETURN .F.
241 ELSE
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255
256
257 FUNCTION _q8d0twdv1 24 maction VALID
258 #REGION 1
259 DO CASE
260 CASE maction = 1
261   mfinal = .F.
262   mskn = STATRAM(mskn, " ")
263   DO CASE
264

```

Function Origin: mdo VALID

From Screen: WP2, Record Number: 13

Variable: mdo

Called By: VALID Clause

Object Type: Field

Snippet Number: 2

Function Origin: maction VALID

From Screen: WP2, Record Number: 16

Variable: maction

Called By: VALID Clause

Object Type: Push Button

Snippet Number: 3

Function Origin: mskn VALID

From Screen: WP2, Record Number: 9

Variable: mskn

Called By: VALID Clause

Object Type: Field

Snippet Number: 1


```

265 -CASE LEN(ALLTRIM(mtsen)) != 9
266   = popmessage("Invalid Social Security ID")
267   CURJOB = OBJNUM(msen)
268   merr = .t.
269   * CASE empty(mdob)
270   *   && hl106 no require field
271   *   = popmessage("Please enter patient date of birth
272   *   CURJOB = OBJNUM(mdob)
273   *   merr = .t.
274   * CASE empty(msex)
275   *   = popmessage("Please enter patient sex")
276   *   CURJOB = OBJNUM(msex)
277   *   merr = .t.
278 -ENDCASE
279 -IF merr
280   SHOW GETS
281 -ELSE
282   mfinal = combined(msen,mlast,mfirst,mmiddle,DTOC(mdob),msex,mrank
283   => .STR(mpatid),STR(mrec))
284   mfinal = savrec(mnew, mfinal)
285   CLEAR READ
286 -ENDIF
287 -CASE maction = 2
288   mfinal = ""
289   CLEAR READ
290 -ENDCASE
291 RETURN mfinal
292 *: EOF: WP2.ACT

```

07/20/92	WP9.SPR	10:02:11
Author's Name Copyright (c) 1992 Company Name Address City, Zip Description: This program was automatically generated by GENSCRN.		

WP9 Setup Code - SECTION 1

```

1  *
2  *
3  *
4  *
5  *
6  *
7  *
8  *
9  *
10 *
11 *
12 *
13 *
14 *
15 *
16 *
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62 *
63 *
64 *
65 *
66 *

```

```

REGION 1
PARAMETER msyswar
IF PARAMETER() = 0
  RETURN
ENDIF
mtext = msyswar

REGION 0
REGIONAL m.curarea, m.talkstat, m.compatstat

IF SET("TALK") = "ON"
  SET TALK OFF
  m.talkstat = "ON"
ELSE
  m.talkstat = "OFF"
ENDIF
m.compatstat = SET("COMPATIBLE")
SET COMPATIBLE FORPLUS

```

Window definitions

```

IF NOT WEXIST("wp9")
  DEFINE WINDOW wp9 ;
  FROM 1, 0 ;
  TO 6, 76 ;
  NOFLOAT ;
  NOCLOSE ;
  COLOR SCHEME 7
ENDIF

```

WP9 Screen Layout

```

67 *
68 *
69 *
70 *
71 *
72 *
73 *
74 *
75 *
76 *
77 *
78 *
79 *
80 *
81 *
82 *
83 *
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86 *
87 *
88 *
89 *
90 *
91 *
92 *
93 *
94 *

```

```

REGION 1
IF WVISIBLE("wp9")
  ACTIVATE WINDOW wp9 SAME
ELSE
  ACTIVATE WINDOW wp9 NOSHOW
ENDIF
@ 0,1 SAY mtext ;
  SIZE 4,73

IF NOT WVISIBLE("wp9")
  ACTIVATE WINDOW wp9
ENDIF

READ CYCLE MODAL

RELEASE WINDOW wp9

REGION 0
IF m.talkstat = "ON"
  SET TALK ON
ENDIF
IF m.compatstat = "ON"
  SET COMPATIBLE ON
ENDIF
*: EOF: WP9.AC1

```

```

1 *
2 *
3 *
4 *
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66 *

```

07/20/92	WPATS1.PRQ	09:52:21
----------	------------	----------


```

Author's Name
Copyright (c) 1992 Company Name
Address
City, Zip
Description:
This program was automatically generated by GENSCRM.

```


WPATS Setup Code - SECTION 1


```

REGION 1
PARAMETERS mlst, MESSAGE, mcriteria, msearch
IF PARAMETERS() = 0
    RETURN ""
ENDIF
IF PARAMETERS() < 2
    MESSAGE = "Select following candidate:"
ELSE
    MESSAGE = IIF(LEN(MESSAGE)>60, SUBSTR(MESSAGE,1,60), MESSAGE)
mcriter = IIF(PARAMETER() < 3, "", mcriteria)
msearch = IIF(PARAMETER() < 4, 2, msearch)
ENDIF
REGION 0
REGIONAL m.currarea, m.talkstat, m.compatat
IF SET("TALK") = "ON"
    SET TALK OFF
    m.talkstat = "ON"
ELSE
    m.talkstat = "OFF"
ENDIF
m.compatat = SET("COMPATIBLE")
SET COMPATIBLE FOXPLUS
m.currarea = SELECT()

```


Window definitions


```

IF NOT WEXIST("wpats")
    DEFINE WINDOW wpats ;
        FROM 10, 11 ;
        TO 23,70 ;
        FLOAT ;

```

```

67  * CLOSE ;
68  * SHADOW ;
69  * DOUBLE ;
70  * COLOR SCHEME 5
71  *
72  *
73  *
74  *
75  *
76  *
77  *
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130  *
131  *
132  *

```

WPATS Setup Code - SECTION 2

```

81  *
82  *
83  *
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86  *
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131  *
132  *

```

WPATS Screen Layout

```

81  *
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128  *
129  *
130  *
131  *
132  *

```

```

133 IF m.compatat = "ON"
134 SET COMPATIBLE ON
135 ENDIF
136
137
138
139
140
141
142
143
144
145
146
147
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194

```

WPATS Cleanup Code

```

*****
* This function return the result delimited by " "
*****
FUNCTION result
  PARAMETER mitem
  PRIVATE mpos
  mnew = .F.
  mpos = ASCAN(mlist, mitem)
  IF mpos > 0
    mfile = db(mlist[mpos+1], u, 1)
    IF UPPER(mfile) $ "SANS"
      mnew = .T.
    ENDIF
    mtemp = mlist[mpos] + u + mlist[mpos+1]
    mdata = getpatdata(mtemp)
    IF mnew
      mdata = savrec(mnew, mdata)
    ENDIF
  ELSE
    mdata = ""
  ENDIF
  RETURN mdata
*****
* This function call edit window
*****
PROCEDURE patedit
  PARAMETER mitem
  PRIVATE mpos
  mpos = ASCAN(mlist, mitem)
  IF mpos > 0
    mfile = db(mlist[mpos+1], u, 1)
    IF UPPER(mfile) $ "SANS"
      mnew = .T.
    ELSE
      mnew = .F.
    ENDIF
    mtemp = mlist[mpos] + u + mlist[mpos+1]
    mtext = getpatdata(mtemp)
    DEACTIVATE WINDOW wpats
    RELEASE WINDOW wpats
    mdata = wp2(mnew, mtext)
  ELSE
    mdata = ""
  ENDIF

```

```

195 ENDIF
196 RETURN mdata
197
198
199
200
201
202
203
204
205
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258

```

_q710151b2 mchoose VALID
 Function Origin: WPATS, Record Number: 3
 From Screen: mchoose
 Variable: VALID Clause
 Called By: List
 Object Type: 1
 Snippet Number: 1

_q710151j5 maction VALID
 Function Origin: WPATS, Record Number: 4
 From Screen: maction
 Variable: VALID Clause
 Called By: Push Button
 Object Type: 2
 Snippet Number: 2

```

*****
* Start the READ on the list box
FUNCTION _q710151b2      mchoose VALID
  REGION 1
  _CURSORJ = OBJNUM(mchoose)
*****
* SELECT: return the select item
* EDIT: Let the user edit the text and return
* New: Enter the new patient
* CANCEL: QUIT
*****
FUNCTION _q710151j5      maction VALID
  REGION 1
  DO CASE
  CASE maction = 1
    mpat = result(mchoose)
    CLEAR READ
  CASE maction = 2
    mpat = patedit(mchoose)
    CLEAR READ
  CASE maction = 3

```

```

259      mpat = patnew()
260      CLEAR READ
261      CASE maction = 4
262      DO moresearch WITH mcriter, mlst
263      _JUROBJ = OBJNUM(mchoose)
264      mpat = ""
265      SHOW GETS
266      SHOW GET maction, 4 disabled
267      CASE maction = 5
268      mpat = ""
269      CLEAR READ
270      ENDCASE
271      RETURN mpat
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300

```

Function Origin:	Read Level When
From Screen:	MPATS
Called By:	READ Statement
Snippet Number:	3

```

FUNCTION _q710L5txd    && Read Level When
*
* When Code from screen: MPATS
*
#REGION 1
DO CASE
CASE msearch = 0
SHOW GET maction enabled
CASE msearch = 1
SHOW GET maction, 4 disabled
CASE msearch = 2
SHOW GET maction, 1 disabled
CASE msearch = 4
SHOW GET maction, 4 disabled
ENDCASE
*: EOF: MPATS.ACT

```

```

1 *****
2 Procedure file: C:\CAMD\WORK\YESNO.PRG
3
4 System: COMPUTER ASSISTED MEDICAL DIAGNOSIS
5 Author: ROY DOBBINS and HOA LY
6 Copyright (c) 1992, NAVAL HEALTH RESEARCH CENTER
7 Last modified: 11/26/91 2:50
8
9 Set by: STREPORT (procedure in DEMO.PRG)
10 : _OPORVE7X() (function in BACKUP.SPR)
11 : _OPORVEV4() (function in BACKUP.SPR)
12 : _OPORVD7U5() (function in RESTORE.SPR)
13
14 *****
15 Documented 10/14/92 at 10:52 FoxDoc version 2.10
16 *****
17 *
18 * 11/26/91 YESNO.PRG 02:50:49 *
19 *
20 *****
21 * Adam Green
22 *
23 * Copyright (c) 1991 Adam Green Seminars
24 * One Fenwick Hall
25 * Boston, MA 02174
26 *
27 * Description:
28 * This program was automatically generated by GENSCRN.
29 *
30 *****
31 *
32 *
33 *
34 *****
35 *
36 * YESNO Setup Code - SECTION 1
37 *
38 *****
39 *
40 *
41 REGION 1
42 PARAMETERS MESSAGE, OK, CANCEL
43 PRIVATE ALL
44
45 *HLL, If message was empty print a plain window just only need respon
46
47 >> ee
48 IF PARAMETERS() = 0
49 * Default to plain prompts
50 m.message = "H"
51 ENDIF
52
53 * Ok and Cancel are used for prompts in the push buttons
54 IF PARAMETERS() = 1
55 * Default to normal prompts
56 m.ok = "OK"
57 m.cancel = "Cancel"
58 ENDIF
59
60 * Truncate any message longer than 50 characters
61 IF LEN( m.message ) > 50
62 * The message is centered in an ASAY
63 m.message = SUBSTR( m.message, 1, 50 )
64 ENDIF
65
66 PUSH KEY CLEAR

```

```

66 REGION 0
67 REGIONAL m.currearea, m.talkstat, m.compatat
68
69 IF SET("TALK") = "ON"
70 SET TALK OFF
71 m.talkstat = "ON"
72 ELSE
73 m.talkstat = "OFF"
74 ENDIF
75 m.compatat = SET("COMPATIBLE")
76 SET COMPATIBLE FOXPLUS
77
78 *****
79 *
80 * Window definitions
81 *
82 *
83 *
84 *****
85
86 IF NOT EXIST("yesno")
87 DEFINE WINDOW yesno ;
88 FROM INT((SRON()-7)/2),INT((SCOL()-48)/2) ;
89 TO INT((SRON()-7)/2)+6,INT((SCOL()-48)/2)+17 ;
90 FLOAT ;
91 NOCLOSE ;
92 SHADOW ;
93 DOUBLE ;
94 COLOR SCHEME 5
95 ENDIF
96
97 *****
98 *
99 * YESNO Screen Layout
100 *
101 *
102 *
103 *****
104
105 REGION 1
106 IF ACTIVABLE("yesno")
107 ACTIVATE WINDOW yesno SAME
108 ELSE
109 ACTIVATE WINDOW yesno NOSHOW
110 ENDIF
111 @ 1,2 SAY PADCC( m.message, 40 ) ;
112 @ SIZE 1,41
113 @ 3,8 GET m.answer ;
114 PICTURE "PHT \\\<OK;\<Cancel" ;
115 SIZE 1,12,5 ;
116 DEFAULT 1
117
118 IF NOT WVISIBLE("yesno")
119 ACTIVATE WINDOW yesno
120 ENDIF
121
122 READ CYCLE MODAL
123
124 RELEASE WINDOW yesno
125
126 REGION 0
127 IF m.talkstat = "ON"
128 SET TALK ON
129 ENDIF
130 IF m.compatat = "NON"
131 SET COMPATIBLE ON

```

```

132  ENDIF
133
134  *
135  * *****
136  * YESNO Cleanup Code *****
137  *
138  *
139  * *****
140  *
141  #REGION 1
142  POP KEY
143
144  * Convert the numeric value of m.answer from 1|2 to .T.|.F.
145  * If the user selected OK and didn't exit with Escape
146  IF m.answer = 1 AND LASTKEY() <> 27
147     RETURN .T.
148  ELSE
149     * Cancel or Escape returns false
150     RETURN .F.
151  ENDIF
152  * EOF: YESNO.ACT
153
154

```

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
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