

## Solution to Exercise 5: Using an external file for Label blocks

### Key Point(s):

- An external file for Labelblocks is more efficient when the list of values is very large and would result in a very long check file.

### Tasks:

- o *Finalize all to make an update A\_EX05.QES / REC / CHK triplet*
- o *Ensure that the file A\_EX05\_NAMECODE.REC serves properly as the new label block*

### Solution

The A\_EX05\_NAMECODE.QES file:

```
labname Laboratory name _____
labcode Laboratory code ____
```

The A\_EX05\_NAMECODE.CHK file:

```
labname
  KEY 1
END
```

```
labcode
  KEY 2
END
```

The A\_EX05.QES file:

This is the questionnaire for the laboratory register

```
labcode      Code of the laboratory 
idcode       Unique identifier 

labname      Name of the laboratory 
serno       Laboratory serial number  Enter 9001, 9002, ... if serial number is not unique and write data entry note (F5)
regdate     Registration date  Enter 01/01/1800 if missing
sex         Examinee's sex 
age         Examinee's age in years  Enter 999 if missing
reason      Examination reason 
res1        Result of specimen 1 
res1sc      Result of specimen 1 scanty 
res2        Result of specimen 2 
res2sc      Result of specimen 2 scanty 
res3        Result of specimen 3 
res3sc      Result of specimen 3 scanty 
```

The A\_EX05.CHK file:

```
LABELBLOCK
  LABEL label_sex
    1 Female
    2 Male
    9 "Sex not recorded"
  END
  LABEL label_reason
    0 Diagnosis
    1 "Follow-up at 1 month"
    2 "Follow-up at 2 months"
    3 "Follow-up at 3 months"
    4 "Follow-up at 4 months"
    5 "Follow-up at 5 months"
    6 "Follow-up at 6 months"
    7 "Follow-up at 7 months or later"
    8 "Follow-up, month not stated"
    9 "Reason not recorded"
  END
  LABEL label_result
    0 Negative
    1 "1+ positive"
    2 "2+ positive"
    3 "3+ positive"
    4 "Positive, not quantified"
    5 "Scanty, not quantified"
    6 "Scanty, quantified"
    9 "Result not recorded"
  END
  LABEL label_scanty
    0 "Not applicable"
    1 "1 AFB per 100 OIF"
    2 "2 AFB per 100 OIF"
    3 "3 AFB per 100 OIF"
    4 "4 AFB per 100 OIF"
    5 "5 AFB per 100 OIF"
    6 "6 AFB per 100 OIF"
    7 "7 AFB per 100 OIF"
    8 "8 AFB per 100 OIF"
    9 "9 AFB per 100 OIF"
  END
END

BEFORE FILE
  DEFINE sernoTemp ____ GLOBAL
END

AFTER RECORD
  IF idcode=. THEN
    HELP "You cannot save a record without an identifier\n Please enter
all required information" TYPE=WARNING
    GOTO labname
  ENDIF
END

labcode
  NOENTER
END

idcode
```

```

KEY UNIQUE
NOENTER
END

labname
COMMENT LEGAL a_ex05_namecode.rec SHOW
MUSTENTER
TYPE COMMENT labcode
END

serno
MUSTENTER
AFTER ENTRY
    sernoTemp=serno
    IF serno<1000 THEN
        sernoTemp="0"+serno
    ENDIF
    IF serno<100 THEN
        sernoTemp="00"+serno
    ENDIF
    IF serno<10 THEN
        sernoTemp="000"+serno
    ENDIF
END
END

regdate
RANGE 01/01/2000 31/12/2005
LEGAL
    01/01/1800
END
MUSTENTER
AFTER ENTRY
    idcode=labcode+"-"+year(regdate)+"-"+sernoTemp
END
END

sex
COMMENT LEGAL USE label_sex SHOW
MUSTENTER
TYPE COMMENT
END

age
RANGE 0 125
LEGAL
    999
END
MUSTENTER
END

reason
COMMENT LEGAL USE label_reason SHOW
MUSTENTER
TYPE COMMENT
END

res1
COMMENT LEGAL USE label_result SHOW
MUSTENTER
TYPE COMMENT

```

```

AFTER ENTRY
  IF res1<>6 THEN
    res1sc=0
    GOTO res2
  ENDIF
END
END

res1sc
COMMENT LEGAL USE label_scanty SHOW
MUSTENTER
TYPE COMMENT
AFTER ENTRY
  IF (res1=6) AND (res1sc=0) THEN
    HELP "Values of res1 and res1sc not compatible. Please verify"
    GOTO res1
  ENDIF
END
END

res2
COMMENT LEGAL USE label_result SHOW
MUSTENTER
TYPE COMMENT
AFTER ENTRY
  IF res2<>6 THEN
    res2sc=0
    GOTO res3
  ENDIF
END
END

res2sc
COMMENT LEGAL USE label_scanty SHOW
MUSTENTER
TYPE COMMENT
AFTER ENTRY
  IF (res2=6) AND (res2sc=0) THEN
    HELP "Values of res2 and res2sc not compatible. Please verify"
    GOTO res2
  ENDIF
END
END

res3
COMMENT LEGAL USE label_result SHOW
MUSTENTER
TYPE COMMENT
AFTER ENTRY
  IF res3<>6 THEN
    res3sc=0
    GOTO WRITE
  ENDIF
END
END

res3sc
COMMENT LEGAL USE label_scanty SHOW
MUSTENTER
TYPE COMMENT
AFTER ENTRY

```

```
IF (res3=6) AND (res3sc=0) THEN
  HELP "Values of res3 and res3sc not compatible. Please verify"
  GOTO res3
ENDIF
END
END
```