

## Solution to Exercise 7: Using an external file for Labelblocks

### 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 *Make the QES file A\_EX07\_NAMECODE.QES*
- o *Import the text file A\_EX07\_NAMECODE.TXT which creates the A\_EX07\_NAMECODE.REC file*
- o *Make the two fields in the Check file A\_EX07\_NAMECODE.CHK Key fields*
- o *Edit the A\_EX07.QES file*
- o *Export the A\_EX05F.REC file to A\_EX07.REC*
- o *Open the A\_EX07.REC file to adjust its structure from the newer A\_EX07.QES file, then close it*
- o *Edit the A\_EX07.CHK file to:*
  - Use the file A\_EX07\_NAMECODE.REC instead of a Labelblock for the Fields identifying the laboratory*
  - Create an identifier IDCODE from the three fields LABCODE, the year of REGDATE, and SERNO*
- o *Update the A\_EX07.REC file with LABNAME (and the three fields calculated) for all 15 records*
- o *Finalize the A\_EX07.CHK file to make IDCODE instead of SERNO the KEY UNIQUE*

### Solution

The A\_EX07\_NAMECODE.QES file:

```
name _____
code _____
```

The A\_EX07\_NAMECODE.CHK file:

```
name
  MUSTENTER
  key 1
END
```

```
code
  MUSTENTER
```

key 2  
END

The A\_EX07.QES file:

This is the questionnaire for the laboratory register

idcode	Laboratory identifier	<input type="text"/>	
labcode	Laboratory code	<input type="text"/>	
labname	Laboratory name	<input type="text"/>	
serno	Laboratory serial number	<input type="text"/>	Write note (F5) if alternate required
regdate	Registration date	<input type="text"/>	Enter 01/01/1800 if not recorded
sex	Examinee's sex	<input type="text"/>	
age	Examinee's age in years	<input type="text"/>	Enter 999 if not recorded
reason	Examination reason	<input type="text"/>	
res1	Result of specimen 1	<input type="text"/>	
res2	Result of specimen 2	<input type="text"/>	
res3	Result of specimen 3	<input type="text"/>	

The A\_EX07.CHK file:

```
LABELBLOCK
  LABEL label_sex
    1 Female
    2 Male
    9 "No sex recorded"
  END
  LABEL label_reason
    0 Diagnosis
    8 "Follow-up, month not stated"
    9 "Reason not stated"
    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"
  END
  LABEL label_result
    0.0 Negative
    1.0 "1+ positive"
    2.0 "2+ positive"
    3.0 "3+ positive"
    4.0 "4+ positive"
    9.0 "No result recorded"
    5.0 "Positive, not quantified"
    6.0 "Scanty, not quantified"
    0.1 "Scanty, 1 AFB per 100 fields"
    0.2 "Scanty, 2 AFB per 100 fields"
    0.3 "Scanty, 3 AFB per 100 fields"
```

```

    0.4 "Scanty, 4 AFB per 100 fields"
    0.5 "Scanty, 5 AFB per 100 fields"
    0.6 "Scanty, 6 AFB per 100 fields"
    0.7 "Scanty, 7 AFB per 100 fields"
    0.8 "Scanty, 8 AFB per 100 fields"
    0.9 "Scanty, 9 AFB per 100 fields"
END
END

labcode
  NOENTER
END

idcode
  NOENTER
  KEY UNIQUE
END

labname
  COMMENT LEGAL a_ex07_namecode.rec SHOW
  MUSTENTER
  TYPE COMMENT labcode
END

serno
  MUSTENTER
END

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

```
res2
COMMENT LEGAL USE label_result SHOW
MUSTENTER
TYPE COMMENT
END
```

```
res3
COMMENT LEGAL USE label_result SHOW
MUSTENTER
TYPE COMMENT
END
```

```
AFTER RECORD
IF idcode=. THEN
HELP "Core information missing:\n      LABNAME, SERNO, and REGDATE\n must
all be available" TYPE=WARNING
GOTO labname
ENDIF
END
```