

Solution to Exercise 9: Keeping track of data entry time

Key Point(s)

- The amount of time required to enter a record is critical for making a budget, and payment can be objectively made.

Task:

- o Start with the *A_EX08 QES-REC-CHK* files, save them as *A_EX09 QES-REC-CHK* and revise them accordingly. Don't just retype the above, try to consider the logic of it!
- o Make two *NOENTER* fields, one that calculates the data entry time for the first entry (that will not change by revisiting the records) and another field that calculates the cumulative time resulting from one or more re-visits of the record
- o Enter some data to check the functionality.

Solution

The *A_EX09.QES* file:

This is the questionnaire for the laboratory register

labcode	Laboratory code	<input type="text"/>	
idcode	Laboratory identifier	<input type="text"/>	
regexct	Exact registration date	<input type="text"/>	Set to 01/01/1800 if any unknown
regappr	Approximate registration date	<input type="text"/>	Set to 01/01/1800 if year unknown
regqual	Quality of registration date	<input type="text"/>	
seconds	Number of seconds for record	<input type="text"/>	
cumsecs	Cumulative number of seconds	<input type="text"/>	
labname	Laboratory name	<input type="text"/>	
regdd	Day of registration	<input type="text"/>	Enter 99 if not recorded
regmm	Month of registration	<input type="text"/>	Enter 99 if not recorded
regyy	Year of registration	<input type="text"/>	Enter 9999 if not recorded
serno	Laboratory serial number	<input type="text"/>	Assign 9001,9002,... if not unique (write note (F5))
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_EX09.CHK* file (only the pertinent parts):

...

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BEFORE FILE
  DEFINE regddTemp ##
  DEFINE regmmTemp ##
  DEFINE regyyTemp ####
  DEFINE StartTime #####.#####
END

BEFORE RECORD
  StartTime=NOW
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
  IF seconds=. THEN
    seconds=(NOW-StartTime)*86400
  ENDIF
  IF cumsecs=. THEN
    cumsecs=(NOW-StartTime)*86400
  ELSE
    cumsecs=cumsecs+(NOW-StartTime)*86400
  ENDIF
END

labcode
  NOENTER
END

...

```

A completed record

This is the questionnaire for the laboratory register

labcode	Laboratory code	<input type="text" value="ML_J"/>	
idcode	Laboratory identifier	<input type="text" value="ML_J-2004-1234"/>	
regexct	Exact registration date	<input type="text" value="12/06/2004"/>	Set to 01/01/1800 if any unknown
regappr	Approximate registration date	<input type="text" value="12/06/2004"/>	Set to 01/01/1800 if year unknown
regqual	Quality of registration date	<input type="text" value="3"/>	
seconds	Number of seconds for record	<input type="text" value="43"/>	
cumsecs	Cumulative number of seconds	<input type="text" value="58"/>	
labname	Laboratory name	<input type="text" value="Awuna"/>	
regdd	Day of registration	<input type="text" value="12"/>	Enter 99 if not recorded
regmm	Month of registration	<input type="text" value="6"/>	Enter 99 if not recorded
regyy	Year of registration	<input type="text" value="2004"/>	Enter 9999 if not recorded
serno	Laboratory serial number	<input type="text" value="1234"/>	Assign 9001,9002,... if not unique (write note (F5))
sex	Examinee's sex	<input type="text" value="2"/>	
age	Examinee's age in years	<input type="text" value="22"/>	Enter 999 if not recorded
reason	Examination reason	<input type="text" value="0"/>	
res1	Result of specimen 1	<input type="text" value="1.0"/>	
res2	Result of specimen 2	<input type="text" value="0.7"/>	
res3	Result of specimen 3	<input type="text" value="9.0"/>	