**Required Exam**

Candidates who earn this credential will have earned a passing score on the SAS Base Programming for SAS 9 exam. This exam is administered by SAS and Pearson VUE.

* 60-65 multiple-choice and short-answer questions (must achieve score of 70% correct to pass)
* 110 minutes to complete exam
* Use exam ID **A00-211**; required when registering with Pearson VUE.
* This exam is based on SAS 9.4

**Exam topics include:**

Accessing Data

* Use FORMATTED and LIST input to read raw data files.
* Use INFILE statement options to control processing when reading raw data files.
* Use various components of an INPUT statement to process raw data files including column and line pointer controls, and trailing @ controls.
* Combine SAS data sets.
* Access an Excel workbook.

Creating Data Structures

* Create temporary and permanent SAS data sets.
* Create and manipulate SAS date values.
* Export data to create standard and comma-delimited raw data files.
* Control which observations and variables in a SAS data set are processed and output.

Managing Data

* Investigate SAS data libraries using base SAS utility procedures.
* Sort observations in a SAS data set.
* Conditionally execute SAS statements.
* Use assignment statements in the DATA step.
* Modify variable attributes using options and statements in the DATA step.
* Accumulate sub-totals and totals using DATA step statements.
* Use SAS functions to manipulate character data, numeric data, and SAS date values.
* Use SAS functions to convert character data to numeric and vice versa.
* Process data using DO LOOPS.
* Process data using SAS arrays.
* Validate and clean data.

Generating Reports

* Generate list reports using the PRINT procedure.
* Generate summary reports and frequency tables using base SAS procedures.
* Enhance reports through the use of user-defined formats, titles, footnotes and SAS System reporting.
* Generate reports using ODS statements.

Handling Errors

* Identify and resolve programming logic errors.
* Recognize and correct syntax errors.
* Examine and resolve data errors.

**70题corrected answer**

29.The following SAS program issumbitted:

data WORK.INFO;

     infile 'DATAFILE.TXT';

     input @1 Company 20.@25*State*2. @;

     if State=' ' then input @30 Year;

     else input @30 City Year;

     input NumEmployees;

run;

How many raw data records areread during each iteration of the DATA step?

     A. 1

     B. 2

     C. 3

     D. 4

原始答案A, 正确答案应该是B. 在if/else的input statement之后没有"@", 因此后面NumEmployees的input会从后面一行数据读取. 所以每次data循环会读取2行数据.

45.The following SAS program issubmitted:

ods csvall file='c:\test.cvs';

proc print data=WORK.ONE;

     var Name Score Grade;

     by IdNumber;

run;

ods csvall close;

What is produced as output?

     A. A file named test.cvs that can only beopened in Excel.

     B. A text file named test.cvs that can beopened in Excel or in any text editor.

     C. A text file named test.cvs that canonly be opened in a text editor.

     D. A file named test.cvs that can only beopened by SAS.

原始答案C, 个人觉得答案应该是B, 输出文件是一个逗号分割符的文本文件, 虽然文件名用的是cvs而不是csv, 但是不影响Excel的读取, 比如选择打开方式后就可以在Excel中打开. 所以应该选B.