Review Quiz: Accessing Data

Your Score: 60% Your score indicates that you would benefit from reviewing topics in this lesson. Check the feedback below and when you are ready, take the quiz again.

✗ 1. Which data source could be read using a library?

      a. Microsoft Excel Workbook

      b. tab-delimited file

      c. comma-delimited file

      d. all of the above

Your answer: d
Correct answer: a

The XLSX engine can be used to read data in a Microsoft Excel workbook directly. Text, tab-delimited, and comma-delimited files are considered unstructured data and cannot be read directly with a LIBNAME engine.

✓ 2. What type of variable is **Salary** in the table below?

LastName	FirstName	JobTitle	Salary
TORRES	JAN	Pilot	50000
LANGKAM	SARAH	Mechanic	80000
SMITH	MARY	Mechanic	.
JONES	PHILLIP	Pilot	7750
TULLEKEN	NADIA		65000

      a. numeric

      b. character

      c. cannot tell from the data shown

      d. either numeric or character

Your answer: a
Correct answer: a

The values are all numeric and the missing value is a period, so Salary must be numeric. A missing value for a character column is a blank, not a period.

✓ 3. With the system option VALIDVARNAME=V7, which of the following variable names is valid?

    a. **4BirthDate**

    b. **$Cost**

    c. **_Items_**

    d. **Tax-Rate**

    e. all of the above

Your answer: c
Correct answer: c

The column name begins with a letter or underscore and the remaining characters are letters, numbers, or underscores.

✓ 4. Which of the following files is a permanent SAS file?

    a. **Work.PrdSale**

    b. **MySales**

    c. **Certxl.Quarter1**

    d. all of the above

Your answer: c
Correct answer: c

The **Quarter1** table is saved permanently in the **Certxl** library. If no library is specified, the default library is **Work**. Tables in the **Work** library are temporary and are deleted when the SAS session ends.

✓ 5. What is the default length of the **BillDate** column, which contains formatted SAS date values?

BillDate
6/13/2018
3/8/2018
9/12/2018

12/11/2018
9/7/2018

a. unknown

b. 8

c. 9

d. 10

Your answer: b
Correct answer: b

SAS date values are numeric. The default length for all numeric columns is 8.

✓

6. Which LIBNAME statement defines the **states** library to read SAS files in the **myfiles₩popstats** folder on the **C:** drive?

a. `libname states 'c:\myfiles\';`

b. `libname base states 'c:\myfiles\popstats';`

c. `libname states sas 'c:\myfiles\popstats';`

d. `libname states 'c:\myfiles\popstats';`

Your answer: d
Correct answer: d

The library name (**states**) follows the keyword LIBNAME. An engine is not provided after the library name, so the default Base SAS engine is used to read SAS tables in the popstats folder.

✗

7. When you specify an engine for a library, what are you specifying?

a. the file format for files that are stored in the library

b. the name of a folder or directory where files are stored

c. credentials to access protected files

d. instructions for creating temporary SAS files

Your answer: b
Correct answer: a

The engine provides instructions for reading a specific file format.

✗   8. Which option must be added to the PROC IMPORT statement to read a tab-delimited file?

```
proc import datafile="d:/mydata/tourism.tab"
             out=tourism replace;
run;
```

    a. TAB

    b. DBMS=TAB

    c. DLM=TAB

    d. DLM=" "

Your answer: c
Correct answer: b

The DBMS= option names the type of file. DBMS=TAB imports a tab-delimited file.

✓   9. Which statement about the CONTENTS procedure is false?

    a. PROC CONTENTS can be used to list all tables in a library.

    b. The PROC CONTENTS report includes the engine used to read the data.

    c. The PROC CONTENTS report displays all column attributes.

    d. PROC CONTENTS lists a sample of the first five rows from the data.

Your answer: d
Correct answer: d

PROC CONTENTS reports on table metadata. It does not list any data values in the report.

✗   10. Which of the following statements lists the contents of the **orion** library in a report and suppresses the full detailed report for each individual table?

    a. `proc contents data=orion;`

    b. `proc contents data=orion._all_;`

    c. `proc contents data=orion._all_ nods;`

    d. `proc contents data=orion / _all_ nods;`

Your answer: b

Correct answer: c

This statement lists all tables in the orion library and suppresses the full detailed descriptor portion for each table.

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