

Sample Questions

The following sample questions are not inclusive and do not necessarily represent all of the types of questions that comprise the exams. The questions are not designed to assess an individual's readiness to take a certification exam.

SAS Viya Fundamentals of Programming

Question 1

Which statement is true about SAS Viya?

- A. It contains the SAS launcher server, which is the primary server for processing big data.
- B. It supports only single-threaded DATA step processing.
- C. It can employ multiple servers to execute programs.
- D. Its primary interface for submitting programs is the SAS Windowing Environment.

Correct answer: C

Question 2

You want to generate totals and averages by year for a very large Teradata table using SAS Viya programming methods.

What is the most efficient way to achieve this?

- A. Load the table into CAS memory and use a CAS procedure to summarize it.
- B. Summarize the data using a SAS in-database procedure.
- C. Create a SAS dataset copy of the table, load it into CAS memory and summarize with a CAS procedure.
- D. Read the table directly with a SAS summary procedure that executes on the Compute Server.

Correct answer: B

Question 3

The following SAS program is submitted:

```
cas listsessions;
```

What is the output to the log?

- A. A syntax error
- B. A list of CAS sessions associated with the current user
- C. A list of all active CAS sessions for all users
- D. A NOTE with information about the new CAS session **listsessions**

Correct answer: D

Question 4

When loading a data set into memory using PROC CASUTIL and the LOAD statement, what option will set the in-memory table's scope to GLOBAL?

Enter your answer in the space below:

Correct answer: promote

Question 5

Which PROC CASUTIL step suppresses error messages if the table is not found in-memory?

- A.

```
proc casutil;  
  droptable casdata="class" incaslib="casuser" quiet;  
quit;
```
- B.

```
proc casutil quiet;  
  droptable casdata="class" incaslib="casuser";  
quit;
```
- C.

```
proc casutil;  
  droptable casdata="class" incaslib="casuser" force;  
quit;
```
- D.

```
proc casutil force;  
  droptable casdata="class" incaslib="casuser";  
quit;
```

Correct answer: A

Question 6

The table **casuser.employees** is partitioned onto 3 CAS worker nodes.

Which SAS program will correctly accumulate a total of the **salary** variable and store it in the variable **totalSalary**?

- A.

```
data casuser.output (keep=totalSalary);  
  retain totalSalary;  
  set casuser.employees end=eof;  
  totalSalary = totalSalary + Salary;  
  if eof then output;  
run;
```
- B.

```
data casuser.output;  
  set casuser.employees end=eof;  
  subTotSalary + Salary;  
  if eof then output;  
run;
```

```
data casuser.output2 (keep= TotalSalary) /single=yes;
  set casuser.output end=eof;
  totalSalary + subTotSalary;
  if eof then output;
run;
```

```
C. data casuser.output (keep=totalSalary);
  set casuser.employees end=eof;
  subTotSalary + Salary;
  if eof then do;
    totalSalary + subTotSalary;
    output;
  end;
run;
```

```
D. data casuser.output (keep=subTotSalary) /single=yes;
  set casuser.employees;
  subTotSalary + Salary;
run;
```

```
data casuser.output2 (keep= TotalSalary) /single=yes;
  set casuser.output end=eof;
  totalSalary + subTotSalary;
  if eof then output;
run;
```

Correct answer: B

Question 7

Which DATA step function is supported in SAS?

- A. SYMGET
- B. CATX
- C. FILEREF
- D. RANUNI

Correct answer: B

Question 8

Which procedure can run in SAS?

- A. PROC SQL
- B. PROC GCHART
- C. PROC SGRENDER
- D. PROC MEANS

Correct answer: D

Question 9

The **regnm** format has been created and stored in an CAS format library.

Which program associates the format **regnm** with the **region** column in the **orders** table?

- A.

```
proc casutil;
  load data=work.orders casout="orders" outcaslib="public";
  format region regnm.;
quit;
```
- B.

```
proc casutil;
  load data=work.orders casout="orders" outcaslib="public"
  format=yes;
  format region regnm.;
quit;
```
- C.

```
proc casutil;
  format region regnm.;
  load data=work.orders casout="orders" outcaslib="public"
  format=yes;
quit;
```
- D.

```
proc casutil;
  format region regnm.;
  load data=work.orders casout="orders" outcaslib="public";
quit;
```

Correct answer: D

Question 10

Which statement about the CASL language is true?

- A. All CAS-enabled procedures are converted to CASL behind the scenes to run in CAS.
- B. CASL runs actions on both the SAS Compute Server and in CAS.
- C. Actions in CASL are grouped into PROCs, and optional information is provided with parameters.
- D. CASL code is submitted to the CAS server using PROC CASUTIL.

Correct answer: A