SAS Viya Fundamentals of Programming

1. In SAS Viya, what is the purpose of the SAS Studio application?

A. To build machine learning models

B. To perform data visualization

C. To create interactive reports

D. To write and execute SAS programs

Answer(s): D

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2. Which SAS Viya component is responsible for distributed data processing?

A. SAS Data Preparation

B. SAS Cloud Analytic Services (CAS)

C. SAS Studio

D. SAS Visual Analytics

Answer(s): B

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3. Which CAS action is used to identify potential duplicate records in a CAS table?

A. cas.verify

B. cas.identify

C. cas.duplicate

D. cas.check

Answer(s): C

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4. In PROC CASUTIL, what does the LOAD FILE= statement do?

A. It loads the data from a CAS table to a file on the Compute Server.

B. It loads files from a file path on the CAS server to a CAS table.

C. It loads a file from a file path on the Compute Server to a CAS table.

D. It loads a file from a file location on the Compute Server to the CAS controller file system.

Answer(s): C

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5. Which CAS action is used to perform a join operation between two CAS tables based on a common key variable?

A. cas.merge

B. cas.combine

C. cas.link

D. cas.join

Answer(s): D

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6. Which CAS action is used to calculate the frequency distribution of a categorical variable in a CAS table?

A. cas.histogram

B. cas.distribution

C. cas.frequency

D. cas.tabulate

Answer(s): D

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7. Which statement is used to create a new variable in SAS Viya?

A. IF-THEN statement

B. RENAME statement

C. LENGTH statement

D. DROP statement

Answer(s): C

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8. What is the purpose of the LIBNAME statement in SAS Viya?

A. Defining a library or a location for SAS datasets

B. Declaring and initializing variables

C. Executing SQL queries

D. Controlling the flow of the program

Answer(s): A

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9. Which SAS Viya component provides self-service data preparation capabilities?

A. SAS Data Preparation

B. SAS Cloud Analytic Services (CAS)

C. SAS Studio

D. SAS Visual Analytics

Answer(s): A

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10. Which CAS action is used to recode the values of a categorical variable in a CAS table?

A. cas.transform

B. cas.remap

C. cas.modify

D. cas.recode

Answer(s): D

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11. Which data types are supported by CAS tables?

A. CHAR, DOUBLE, VARCHAR, BINARY

B. CHAR, DOUBLE, VARCHAR, INT64

C. CHAR, DOUBLE, DECIMAL, TIMESTAMP

D. CHAR, DOUBLE, VARBINARY, DECIMAL

Answer(s): B

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12. Given that this program:

A. simple.numRows result=x/table={caslib="casuser", name="cars"};print "Table casuser.cars has "
x.numrows "rows.";

B. simple.numRows results=x/table={caslib="casuser", name="cars"};print "Table casuser.cars has "
numrows[x] "rows.";

C. simple.numRows results=x/table={caslib="casuser", name="cars"};print "Table casuser.cars has "
x[numrows] "rows.";

D. simple.numRows result=x/table={caslib="casuser", name="cars"};print "Table casuser.cars has "
numrows.x "rows.";

Answer(s): A

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13. Which CAS action is used to perform aggregations and summary statistics in the DATA step?

A. FORMAT

B. SUMMARY

C. GROUP BY

D. COMPUTE

Answer(s): C

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14. Which program will display ODS output?

A. proc cas;table.fetch result=r / table={caslib="casuser" name="class"};quit;

B. proc cas;print casuser.class;quit;

C. proc mdsummary data=casuser.class;var height;output out=casuser.result;run;

D. proc cas;simple.summary / table={caslib="casuser" name="class"};quit;

Answer(s): D

15. Which CAS statement is used to load data from an external file into a CAS table?

A. CASLIB

B. CASIMPORT

C. CASDATA

D. CASTABLE

Answer(s): B

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16. Which statement is true for the table.copyTable action?

A. The casout= parameter is required, but the table= parameter is not required.

B. The table= parameter specifies the name of the table that you want to replace.

C. Both the table= and casout= parameters are required to use the copyTable action.

D. The table= parameter allows you to create calculated columns.

Answer(s): D

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17. Which CASL program segment correctly defines a source block to be run from a subsequent action?

A. source myCode;"data OutData;set casuser.cars;where make = 'Honda';run;"endsource;

B. source myCode;"data OutData;" ||"set casuser.cars;" ||"where make = 'Honda';" ||"run;"endsource;

C. source myCode;"data OutData;set casuser.cars;where ""make = 'Honda""";run;"endsource;

D. source myCode;data OutData;set casuser.cars;where make = 'Honda';run;endsource;

Answer(s): D

18. What are two valid data types for a CAS table column?

A. binary

B. varchar

C. decimal

D. varbinary

Answer(s): B,D

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19. Select the correct way to define formats and labels in a FedSQL CREATE TABLE statement.

A. Customer_Name char(35) having format $35. label "Customer Name"

B. Customer_Name char(35) format=$35. label='Customer Name'

C. Customer_Name char(35) having format $35. label 'Customer Name'

D. Customer_Name char(35) format=$35. label="Customer Name"

Answer(s): C

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20. What is the primary purpose of using the DATA step in CAS programming?

A. Creating plots and graphs

B. Importing and exporting data

C. Transforming and manipulating data

D. Performing complex statistical analyses

Answer(s): C