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SAS base programming exam

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QUESTION 1

The value 110700 is stored in a numeric variable.

Which one of the following SAS formats is used to display the value as $110,700.00 in a report?

A. comma8.2

B. comma11.2

C. dollar8.2

D. dollar11.2

Correct Answer: D

QUESTION 2

The following SAS program is submitted:

data work.one;

x = 3;

y = 2;

z = x **y;

run;

Which one of the following is the value of the variable Z in the output data set?

A. 6

B. 9

C. .(missing numeric value)

D. The program fails to execute due to errors.

Correct Answer: B

QUESTION 3

The following SAS SORT procedure step generates an output data set

proc sort data = sasuser.houses out = report;

by style;

run;

In which library is the output data set stored?

A. WORK

B. REPORT

C. HOUSES

D. SASUSER

Correct Answer: A

QUESTION 4

The following SAS program is submitted:

data work.sets;

do until (prod gt 6);

prod + 1;

end;

run;

Which one of the following is the value of the variable PROD in the output data set?

A. 5

B. 6

C. 7

D. 6

Correct Answer: C

QUESTION 5

The following SAS program is submitted: I

ibname company `SAS-data-library\\';

proc sort data = company.payroll;

by EmployeeIDNumber;

run;

Write access has been granted to the COMPANY library.

Which one of the following represents how the observations are sorted?

A. COMPANY.PAYROLL is recreated in sorted order by EmployeeIDNumber.

B. COMPANY.PAYROLL is stored in original order, and a new data set PAYROLL is created in sorted order by EmployeeIDNumber.

C. COMPANYPAYROLL is stored in original order, and a new data set COMPANY.PAYROLLSORTED is created in sorted order by EmployeeIDNumber.

D. COMPANY.PAYROLL is recreated in sorted order by EmployeeIDNumber, and a new data set PAYROLL is created in sorted order by Emp loyeeIDNumber.

Correct Answer: A

QUESTION 6

The following SAS program is submitted;

data work.test;

First = `lpswich, England\\';

City = substr(First,1,7);

City_Country = City!!\\' , `!!`England\\';

run;

Which one of the following is the value of the variable CITY_COUNTRY in the output data set?

A. lpswich!!

B. lpswich, England

C. lpswich, `England\\'

D. lpswich , England

Correct Answer: D

QUESTION 7

Which one of the following statements is true regarding the SAS automatic _ERROR_ variable?

A. The _ERROR_ variable contains the values `ON\\' or `OFF\\'.

B. The _ERROR_ variable contains the values `TRUE\\' or `FALSE\\'.

C. The _ERROR_ variable is automatically stored in the resulting SAS data set.

D. The _ERROR_ variable can be used in expressions or calculations in the DATA step.

Correct Answer: D

QUESTION 8

The following SAS program is submitted:

data work.totalsales;

set work.monthlysales(keep = year product sales);

retain monthsales {12};

array monthsales {12};

do i = 1 to 12;

monthsales{i} = sales;

end;

cnt + 1;

monthsales{cnt} = sales;

run;

The data set named WORK.MONTHLYSALES has one observation per month for each of five years for a total of 60 observations.

Which one of the following is the result of the above program?

A. The program fails execution due to data errors.

B. The program fails execution due to syntax errors.

C. The program runs with warnings and creates the WORK.TOTALSALES data set with 60 observations.

D. The program runs without errors or warnings and creates the WORK.TOTALSALES data set with 60 observations.

Correct Answer: B

QUESTION 9

The following SAS program is submitted:

proc means data = sasuser.houses std mean max; var sqfeet run;

Which one of the following is needed to display the standard deviation with only two decimal places?

A. Add the option MAXDEC = 2 to the MEANS procedure statement.

B. Add the statement MAXDEC = 7.2; in the MEANS procedure step.

C. Add the statement FORMAT STD 7.2; in the MEANS procedure step.

D. Add the option FORMAT = 7.2 option to the MEANS procedure statement.

Correct Answer: A

QUESTION 10

The following SAS program is submitted:

data work.totalsales (keep = monthsales{12});

set work.monthlysales (keep = year product sales); array monthsales {12} ;

do i=1 to 12;

monthsales{i} = sales;

end;

run;

The data set named WORK.MONTHLYSALES has one observation per month for each of five years for a total of 60 observations.

Which one of the following is the result of the above program?

A. The program fails execution due to data errors.

B. The program fails execution due to syntax errors.

C. The program executes with warnings and creates the WORK.TOTALSALES data set.

D. The program executes without errors or warnings and creates the WORKTOTALSALES data set.

Correct Answer: B

QUESTION 11

The following SAS program is submitted:

data work.clients;

calls = 6;

do while (calls le 6);

calls + 1;

end;

run;

Which one of the following is the value of the variable CALLS in the output data set?

A. 4

B. 5

C. 6

D. 7

Correct Answer: D

QUESTION 12

A SAS program is submitted and the following SAS log is produced:

2 data gt100;

3 set ia.airplanes

4 if mpg gt 100 then output

22 202

ERROR: File WORK.IF.DATA does not exist.

ERROR: File WORK.MPG.DATA does not exist.

ERROR: File WORK.GT.DATA does not exist.

ERROR: File WORK.THEN.DATA does not exist.

ERROR: File WORK.OUTPUT DATA does not exist.

ERROR 22-322: Syntax error, expecting one of the following: a name, a quoted string, (,;, END, KEY, KEYS, NOBS, OPEN, POINT,_DATA_,_LAST_, NULL_

ERROR 202-322: The option or parameter is not recognized and will be ignored.

5 run;

The IA libref was previously assigned in this SAS session.

Which one of the following corrects the errors in the LOG?

A. Delete the word THEN on the IF statement.

B. Add a semicolon at the end of the SET statement.

C. Place quotes around the value on the IF statement.

D. Add an END statement to conclude the IF statement.

Correct Answer: B

QUESTION 13

The following SAS program is submitted:

data work.new;

length word $7;

amount = 4;

if amount = 4 then word = `FOUR\\';

else if amount = 7 then word = `SEVEN\\';

else word = `NONE!!!\\';

amount = 7;

run;

Which one of the following represents the values of the AMOUNT and WORD variables?

A. amount word 7 FOUR

B. amount word 7 FOUR

C. amount word 4 FOUR

D. amount word 4 " "

Correct Answer: A

QUESTION 14

The following SAS program is submitted:

data_null_;

set old;

put sales 1 sales2;

run;

Where is the output written?

A. the SAS log

B. the raw data file that was opened last

C. the SAS output window or an output file

D. the data set mentioned in the DATA statement

Correct Answer: A

QUESTION 15

The contents of the raw data file EMPLOYEE are listed below:

----|----10----|----20----|----30

Ruth 39 11

Jose 32 22

Sue 30 33

John 4044

The following SAS program is submitted:

data test;

infile `employee\\';

input employee_name $ 1-4;

if employee_name = `Sue\\' then input age 7-8;

else input idnum 10-11;

run;

Which one of the following values does the variable AGE contain when the name of the employee is "Sue"?

A. 30

B. 33

C. 40

D. (missing numeric value)

Correct Answer: B