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Vendor: SASInstitute

Exam Code: A00-211

Exam Name: SAS Base Programming for SAS 9

Version: Demo

DEMO

QUESTION 1

The value 110700 is stored in a numeric variable named SALARY.

Which FORMAT statement displays the value as \$110,700.00 in a report?

- A. format salary comma11.2;
- B. format salary dollar8.2;
- C. format salary dollar11.2;
- D. format salary comma8.2 dollar8.2;

Correct Answer: C

QUESTION 2

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;
```

What are the values of the AMOUNT and WORD variables in SAS dataset work.new?

- A. amount word
4 FOUR
- B. amount word
4 NONE!!!
- C. amount word
7 FOUR
- D. amount word
7 SEVEN

Correct Answer: C

QUESTION 3

The following SAS program is submitted:

```
data test;
infile `file specification`;
input name $ amount@@;
run;
```

Which of the following is true?

- A. Two @@ together are the same as one c.
- B. Two @@ hold the data records until the bottom of the DATA step.
- C. Two @@ hold the raw data record across iterations of the DATA step.
- D. Two @@ are invalid syntax and will cause the program to fail to execute.

Correct Answer: C

QUESTION 4

Given the SAS data set PEPM.STUDENTS:

PERM.STUDENTS NAME AGE

----- Alfred 14

Alice13

Barbara13

Carol14

The following SAS program is submitted:

```
libname perm `SAS data library';
```

```
data students;
```

```
set perm.students;
```

```
file `file specification';
```

```
put name $15. @5 age 2.;
```

```
run;
```

What is written to the output raw data file?

- A. ----|----10---|----20---|----30
Alfred 14
Alice 13
Barbara 13
Carol 14
- B. ----|----10---|----20---|----30
Alfr14
Alic13
Barb13a
Carol 4
- C. ----|----10---|----20---|----30
Alfr14ed
Alic130
Barb13ara
Caro141
- D. ----|----10---|----20---|----30
Alfred14
Alice13
Barbara13
Carol14

Correct Answer: B

QUESTION 5

Which statement specifies that records 1 through 10 are to be read from the raw data file customer.txt?

- A. infile 'customer.txt' 1-10;
- B. input 'customer.txt' stop@10;
- C. infile 'customer.txt' obs=10;
- D. input 'customer.txt' stop=10;

Correct Answer: C

QUESTION 6

Which statement describes a characteristic of the SAS automatic variable `_ERROR_`?

- A. The `_ERROR_` variable maintains a count of the number of data errors in a DATA step.
- B. The `_ERROR_` variable is added to the program data vector and becomes part of the data set being created.
- C. The `_ERROR_` variable can be used in expressions in the DATA step.
- D. The `_ERROR_` variable contains the number of the observation that caused the data error.

Correct Answer: C

QUESTION 7

The following SAS program is submitted:

```
data WORK.DATE_INFO;  
  X='04jul2005'd;  
  DayOfMonth=day(x);  
  MonthOfYear=month(x);  
  Year=year(x);  
run;
```

What types of variables are `DayOfMonth`, `MonthOfYear`, and `Year`?

- A. `DayOfMonth`, `Year`, and `MonthOfYear` are character.
- B. `DayOfMonth`, `Year`, and `MonthOfYear` are numeric.
- C. `DayOfMonth` and `Year` are numeric. `MonthOfYear` is character.
- D. `DayOfMonth`, `Year`, and `MonthOfYear` are date values.

Correct Answer: B

QUESTION 8

The following output is created by the FREQUENCY procedure:

The FREQ Procedure

Table of region by product

| region | product | | | |
|-----------|---------|--------|---------|--------|
| Frequency | | | | |
| Percent | | | | |
| Row Pct | | | | |
| Col Pct | corn | cotton | oranges | Total |
| EAST | 2 | 1 | 1 | 4 |
| | 22.22 | 11.11 | 11.11 | 44.44 |
| | 50.00 | 25.00 | 25.00 | |
| | 50.00 | 33.33 | 50.00 | |
| SOUTH | 2 | 2 | 1 | 5 |
| | 22.22 | 22.22 | 11.11 | 55.56 |
| | 40.00 | 40.00 | 20.00 | |
| | 50.00 | 66.67 | 50.00 | |
| Total | 4 | 3 | 2 | 9 |
| | 44.44 | 33.33 | 22.22 | 100.00 |

Which TABLES option(s) would be used to eliminate the row and column counts and just see the frequencies and percents?

- A. norowcount nocolcount
- B. freq percent
- C. norow nocol
- D. nocounts

Correct Answer: C

QUESTION 9

The following SAS program is submitted:

```
data WORK.AUTHORS;
array Favorites{3} $ 8 ('Shakespeare','Hemingway','McCaffrey');
run;
```

What is the value of the second variable in the dataset WORK.AUTHORS?

- A. Hemingway
- B. Hemingwa
- C. '' (a missing value)
- D. The program contains errors. No variables are created.

Correct Answer: B

QUESTION 10

The data set WORK.REALESTATE has the variable LocalFee with a format of 9. and a variable CountryFee with a format of 7.;

The following SAS program is submitted:

```
data WORK.FEE_STRUCTURE;
  format LocalFee CountryFee percent7.2;
  set WORK.REALESTATE;
  LocalFee=LocalFee/100;
  CountryFee=CountryFee/100;
run;
```

What are the formats of the variables LOCALFEE and COUNTRYFEE in the output dataset?

- A. LocalFee has format of 9. and CountryFee has a format of 7.
- B. LocalFee has format of 9. and CountryFee has a format of percent7.2
- C. Both LocalFee and CountryFee have a format of percent7.2
- D. The data step fails execution; there is no format for LocalFee.

Correct Answer: C

QUESTION 11

Consider the following data step:

```
data WORK.TEST;
  set SASHELP.CLASS(obs=5);
  retain City 'Beverly Hills';
  State='California';
run;
```

The computed variables City and State have their values assigned using two different methods, a RETAIN statement and an Assignment statement. Which statement regarding this program is true?

- A. The RETAIN statement is fine, but the value of City will be truncated to 8 bytes as the LENGTH statement has been omitted.
- B. Both the RETAIN and assignment statement are being used to initialize new variables and are equally efficient. Method used is a matter of programmer preference.
- C. The assignment statement is fine, but the value of City will be truncated to 8 bytes as the LENGTH statement has been omitted.
- D. City's value will be assigned one time, State's value 5 times.

Correct Answer: D

QUESTION 12

The following SAS program is submitted:

```
data work.new;
length word $7;
amount = 7;
if amount = 5 then word = 'CAT';
else if amount = 7 then word = 'DOG';
else word = 'NONE!!!';
amount = 5;
```

run;

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

- A. amount word
5 DOG
- B. amount word
5 CAT
- C. amount word
7 DOG
- D. amount word
7 '' (missing character value)

Correct Answer: A

QUESTION 13

The following SAS program is submitted:

```
data work.pieces;
```

```
do while (n lt 6);
```

```
n + 1;
```

```
end;
```

```
run;
```

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

- A. 4
- B. 5
- C. 6
- D. 7

Correct Answer: C

QUESTION 14

The following SAS program is submitted:

```
data work.test;
```

```
Title = 'A Tale of Two Cities, Charles J. Dickens';
```

```
Word = scan(title,3,' ');
```

```
run;
```

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

- A. T
- B. of
- C. Dickens
- D. '' (missing character value)

Correct Answer: B

QUESTION 15

The following SAS program is submitted:

```
data work.test;  
First = 'Ipswich, England';  
City_Country = substr(First,1,7)!!', !!!'England';  
run;
```

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

- A. 6
- B. 7
- C. 17
- D. 25

Correct Answer: D

QUESTION 16

Which one of the following SAS statements renames two variables?

- A. set work.dept1
work.dept2(rename = (jcode = jobcode)
(sal = salary));
- B. set work.dept1
work.dept2(rename = (jcode = jobcode
sal = salary));
- C. set work.dept1
work.dept2(rename = jcode = jobcode
sal = salary);
- D. set work.dept1
work.dept2(rename = (jcode jobcode)
(sal salary));

Correct Answer: B

QUESTION 17

The SAS data set WORK.AWARDS is listed below:

fname points

Amy 2

Amy 1

Gerard 3

Wang 3

Wang 1

Wang 2

The following SAS program is submitted:

```
proc sort data = work.awards;  
by descending fname points;  
run;
```

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

- A. Wang 3
Gerard 3
Wang 2
Amy 2
Wang 1
Amy 1
- B. Wang 3
Wang 2
Wang 1
Gerard 3
Amy 2
Amy 1
- C. Wang 3
Wang 1
Wang 2
Gerard 3
Amy 2
Amy 1
- D. Wang 1
Wang 2
Wang 3
Gerard 3
Amy 1
Amy 2

Correct Answer: D

QUESTION 18

A raw data file is listed below:

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

John McCloskey 35 71

June Rossette 10 43

Tineke Jones 9 37

The following SAS program is submitted using the raw data file as input:

```
data work.homework;  
infile 'file-specification';  
input name $ age height;  
if age LE 10;  
run;
```

How many observations will the WORK.HOMEWORK data set contain?

- A. 0
- B. 2
- C. 3
- D. No data set is created as the program fails to execute due to errors.

Correct Answer: C

QUESTION 19

The following SAS program is submitted:

```
data work.report;  
set work.sales_info;  
if qtr(sales_date) ge 3;  
run;
```

The SAS data set WORK.SALES_INFO has one observation for each month in the year 2000 and the variable SALES_DATE which contains a SAS date value for each of the twelve months.

How many of the original twelve observations in WORK.SALES_INFO are written to the WORK.REPORT data set?

- A. 2
- B. 3
- C. 6
- D. 9

Correct Answer: C

QUESTION 20

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 21

The following SAS program is submitted and reads 100 records from a raw data file:

```
data work.total;  
infile 'file-specification' end = eof;  
input name $ salary;  
totalsal + salary;  
run;
```

Which one of the following IF statements writes the last observation to the output data set?

- A. if end = 0;
- B. if eof = 0;
- C. if end = 1;
- D. if eof = 1;

Correct Answer: D

QUESTION 22

Which one of the following is true when SAS encounters a data error in a DATA step?

- A. The DATA step stops executing at the point of the error, and no SAS data set is created.
- B. A note is written to the SAS log explaining the error, and the DATA step continues to execute.
- C. A note appears in the SAS log that the incorrect data record was saved to a separate SAS file for further examination.
- D. The DATA step stops executing at the point of the error, and the resulting DATA set contains observations up to that point.

Correct Answer: B

QUESTION 23

The following SAS program is submitted:

```
data WORK.TEST;  
  set WORK.PILOTS;  
  if Jobcode='Pilot2' then Description='Senior Pilot';  
  else Description='Unknown';  
run;
```

If the value for the variable Jobcode is: PILOT2, what is the value of the variable Description?

- A. '' (missing character value)
- B. Unknown
- C. Senior Pilot
- D. SENIOR PILOT

Correct Answer: B

QUESTION 24

The following SAS program is submitted:

```
data WORK.RETAIL;  
  Cost=$20,000;  
  Discount=.10*Cost;  
run;
```

What is the result?

- A. The value of the variable Discount in the output data set is 2000. No messages are written to the SAS log.
- B. The value of the variable Discount in the output data set is 2000. A note that conversion has taken place is written to the SAS log.
- C. The value of the variable Discount in the output data set is missing. A note in the SAS log refers to invalid numeric data.
- D. The variable Discount in the output data set is set to zero. No messages are written to the SAS log.

Correct Answer: C

QUESTION 25

The SAS data set WORK.ONE contains a numeric variable named Num and a character variable named Char:

WORK.ONE

| Num | Char |
|-----|------|
| 1 | 23 |
| 3 | 23 |
| 1 | 77 |

The following SAS program is submitted:

```
proc print data=WORK.ONE;  
  where Num='1';  
run;
```

What is output?

A.

| Num | Char |
|-----|------|
| 1 | 23 |

B.

| Num | Char |
|-----|------|
| 1 | 23 |
| 1 | 77 |

C.

| Num | Char |
|-----|------|
| 1 | 23 |
| 3 | 23 |
| 1 | 77 |

D. No output is generated.

Correct Answer: D

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