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QUESTION & ANSWER

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Exam : **A00-211**

Title : **SAS Base Programming for
SAS 9**

Version : **V9.02**

1.The following SAS program is submitted:

```
data work.flights;
destination='CPH'
select(destination);
when("° L H"j±)t "°=j ±Lon"o
when("° FR"j±)t "°=j±Fr ank"r
otherwise;
end;
run;
```

what are the length and value of the CITY variable?

- A. length of6, value of CPH
- B. length of9, value of CPH
- C. length of6, value of " (missing character value)
- D. length of9, value of " (missing character value)

Answer: C

2.Giben the SAS data set SASUSER.HOUSES:

| Obs | style | sqfeet | bedrooms | baths | street | price |
|-----|----------|--------|----------|-------|------------------|-----------|
| 1 | RANCH | 1250 | 2 | 1.0 | Sheppard Avenue | \$64,000 |
| 2 | SPLIT | 1190 | 1 | 1.0 | Rand Street | \$65,850 |
| 3 | CONDO | 1400 | 2 | 1.5 | Market Street | \$80,050 |
| 4 | TWOSTORY | 1810 | 4 | 3.0 | Garris Street | \$107,250 |
| 5 | RANCH | 1500 | 3 | 3.0 | Kemble Avenue | \$86,650 |
| 6 | SPLIT | 1615 | 4 | 3.0 | West Drive | \$94,450 |
| 7 | SPLIT | 1305 | 3 | 1.5 | Graham Avenue | \$73,650 |
| 8 | CONDO | 1390 | 3 | 2.5 | Hampshire Avenue | \$79,350 |
| 9 | TWOSTORY | 1040 | 2 | 1.0 | Sanders Road | \$55,850 |
| 10 | CONDO | 2105 | 4 | 2.5 | Jeans Avenue | \$127,150 |
| 11 | RANCH | 1535 | 3 | 3.0 | State Highway | \$89,100 |
| 12 | TWOSTORY | 1240 | 2 | 1.0 | Fairbanks Circle | \$69,250 |
| 13 | RANCH | 720 | 1 | 1.0 | Nicholson Drive | \$34,550 |
| 14 | TWOSTORY | 1745 | 4 | 2.5 | Highland Road | \$102,950 |
| 15 | CONDO | 1860 | 2 | 2.0 | Arcata Avenue | \$110,700 |

The following SAS program is submitted:

The following output is desired:

```
Style price
CONDO $78,700
TWOSTORY $62,550
```

Which DEFINE statement completes the program and produces the desired output?

- A. define style / width=9;
- B. define style / order width=9;
- C. define style / group width=9;
- D. define style /display width=9;

Answer: C

3.The following SAS program is submitted;

```
Libname temp'SAS' data library'
```

```
Data work .new;
```

```
Set temp.jobs;
```

```
Format newdate mmddyy10;  
Mdate=month(newdate);  
Ddate=weekday(newdate);  
run;  
proc print data= work new;  
run;
```

The variable NEWDATE contains the SAS date value for April 15 ,2005.

What output is produced if April 15 , 2005 falls on a Friday?

- A. Obs newdate mdate ddate
1 04/15/2005 APR 6
- B. Obs newdate mdate ddate
1 04/15/2005 46
- C. Obs newdate mdate ddate
1 04/15/2005 APR 7
- D. Obs newdate mdate ddate
1 04/15/2005 APR 47

Answer: B

4. Given the SAS data set ONE:

```
ONE  
XYZ  
1 A 27  
1A 33  
1B 45  
2A 52  
2B 69  
3B 70  
4A 82  
4C 91
```

The following SAS program is submitted:

```
data two;  
set one;  
bBy x y;  
if first.y;  
run;  
proc print data =two noobs;  
run;
```

Which report is produced?

- A. X Y Z
1A 27
1B 45
2A 52
2B 69

3B 70

4A 82

4C 91

B. X Y Z

1A 33

1B 45

2A 52

2B 69

3B 70

4A 82

4C 91

C. X Y Z

1B 45

2A 52

2B 69

3B 70

4A 82

4C 91

D. The PRINT procedure fails because the data set TWO is not created in the DATA step.

Answer: A

5. Given the raw data file YEARAMT:

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

```
1901 2
```

```
1905 1
```

```
1910 6
```

```
1925 .
```

```
1941 1
```

The following SAS program is submitted:

```
data coins;
```

```
infile 'yearamt';
```

```
input year quantity;
```

```
totquantity = totquantity + quantity;
```

```
- run;
```

What is the value of the variable TOTQUANTITY IN thesecond observaion?

A. 0

B. 1

C. 3

D. (missing numeric)

Answer:D

6. Given the Contents of the raw data file PRODUCT:

```
-----  
----|----10---|----20---|----30  
24613 $25.31
```

The following SAS program is submitted:
data inventory; infile 'product'; input idnum 5. @10 price; run;

What is the value of the PRICE variable?

- A. 25.31
- B. \$25.31
- C. (missing numeric value)
- D. No value is stored

Answer:C

7.Given the contents of the raw data file THPECOLOR:

```
----|----10---|----20---|----30  
daisyyellow
```

The following SAS program is submitted:
data flowers; infile 'typecolor'; input type \$ 1-5 +1 color \$;run;

What are the values of the variables TYPE and COLOR?

- A. thpe color daisyyellow
- B. type color daisyyellow
- C.type color daisyyellow "" (missi character value)
- D.No values are stored for the THPE and COLOR variables.

Answer: B

8.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;  
totsal + salary;  
run;
```

Which IF statement writes the final observation to the output data set?

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

Answer: D

9.Given the raw data file FURNITURE:

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

```
chair,,table
```

```
chair,couch,table
```

The following SAS program is submitted:

```
data stock;
```

```
infile 'furniture' dsd;
```

```
input item1 $ item2 $ item3 $;
```

```
run;
```

What is the value of the variable ITEM2 in the first observation of the output data set?

- A. table
- B. , (comma)
- C. ,(missing numeric value)
- D. " " (missing character value)

Answer: D

10. The following SAS program is submitted:

```
data numrecords;
```

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

```
input @1 patient $15. relative $ 16-26 @;
```

```
if relative = 'children' then
```

```
input @54 diagnosis $15. @;
```

```
else if relative = 'parents' then
```

```
input @28 doctor $15. clinic $ 44-53
```

```
@54 diagnosis $15. @;
```

```
input age;
```

```
run;
```

How many raw data records are read during each iteration of the DATA step execution?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: A

11. The following SAS program is submitted:

```
data work.empsalary;
```

```
set work.people (in = inemp)
```

```
work.money (in = insal);
```

```
if insal and inemp;
```

```
run;
```

The SAS data set WORK.PEOPLE has 5 observations, and the data set WORK.MONEY has 7 observations.

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

- A. 0
- B. 5
- C. 7
- D. 12

Answer: A

12. Given the SAS data sets EMPLOYEE and SALARY:

EMPLOYEE
SALARY
name agename salary
Bruce 30 Bruce 40000
Dan 35 Bruce 35000
Dan 37000

The following SAS program is submitted:

```
data work.empsalary;  
merge work.employee (in = inemp)  
work.salary (in = insal);  
by name;  
if inemp and insal;  
run;
```

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

- A. 2
- B. 4
- C. 5
- D. 6

Answer: B

13. The data set WORK.REALESTATE has the variable LocalFee with a format of 9. and a variable CountryFee with a format of 7.2;

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.

Answers: C

14. The following SAS program is submitted:

```
data work .sets;
```

```
do until (prod gt 6);
```

```
prod +1 ;
```

```
end ;
```

```
run;
```

What is the value of the variable PROD in the output data set?

- A. 6
- B. 7
- C. 8
- D. (missing numeric)

Answer: B

15. Given the SAS data sets EMPLOYEE and SALARY:

EMPLOYEE
SALARY
name agename salary
Bruce 30 Bruce 25000
Dan 40 Bruce 35000
Dan 25000.

The following SAS program is submitted:

```
data work.empdata;  
  by fname;  
  totalsal + salary;  
run;
```

Which MERGE statement ly completes the program?

A. merge employee

```
  salary rename = fname = name;
```

B. merge employee

```
  salary rename = (name =fname );
```

C. merge employee

```
  salary (rename = (fname = name));
```

D. merge employee

```
  salary (rename = (name = fname));
```

Answer:D

16. Given the following raw data record:

07 jan 2005

Which INFOPMAT reads this data and stores it as SAS date value?

A. dmy9

B. date9

C. ddMMMyy9

D. ddmmmyyyy9

Answer: B

17. Given the contents of the SAS data set PERM.JAN_SALES:

```
PERM.JAN _ SALES
```

```
VARIABLE NAMETYPE
```

```
Idnum character variable
```

```
Sales_date numeric date value
```

A comma delimited raw data file needs to be created from the PERM.JAN_SALES data set .the

SALES_DATE values need to be in a MMDDYY10 from.

Which SAS program corretly creates this raw data file?

A.

```
libname perm 'SAS data library';  
data _null_;  
  set perm.jan_sales;  
  file 'file specification' dsd = ',';  
  put idnum sales_date : mmddyy10.;  
run;
```

B.

```
libname perm 'SAS data library';
data _null_;
set perm.jan_sales;
file 'file specification' dlm = ',';
put idnum sales_date : mmddyy10.;
run;
```

C.

```
libname perm 'SAS data library';
data _null_;
set perm.jan_sales;
file 'file specification';
put idnum sales_date : mmddyy10. ;
run;
```

D.

```
libname perm 'SAS data library';
data _null_;
set perm.jan_sales;
file 'file specification' csv;
put idnum sales_date : mmddyy10. ;
run;
```

Answer: B

18. The following SAS program is submitted:

```
data _null_;
set old ;
put sales 1 sales 2;
run;
```

where is the output written?

- A. to the SAS log
- B.to the SAS data set _NULL_
- C.to the SAS output window or to an output file
- D.to the raw data file that was most recently opened

Answer: A

19.The following SAS program is submitted:

```
options obs = 500;
proc print data = prdsales (firstobs = 100);
run;
options obs = max;
proc means data = prdsales (firstobs = 500);
run;
The data set PRDSALES contains 5000 observations.
```

How many boservation are processed by each procedure?

- A. 400 by PROC PRINT
4500 by PROC MEANS
- B. 401 by PROC PRINT
4501 by PROC MEANS
- C. 400 by PROC PRINT
0 by PROC MEANS
- D. 500 by PROC PRINT
5000 by PROC MEANS

Answer: B

20. Give the following raw data file:

```
----|----10---|----20---|----30  
John McCloskey, 35, 71  
June Rosette, 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' dsd;  
input name $ age height;  
if age LE 10;  
run;
```

What is the result?

- A. The WORK.HOMEWORK data set is created and contains 1 observation.
- B. The WORK.HOMEWORK data set is created and contains 2 observation.
- C. The WORK.HOMEWORK data set is created and contains 3 observation.
- D. The WORK.HOMEWORK data set is not created .The program fails to execute due to errors.

Answer: B