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# SAS Institute

A00-211  
SAS Certified Base Programmer for SAS

## Questions & Answers PDF

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### Question: 1

The SAS data set SASUSER.HOUSES contains a variable PRICE which has been assigned a permanent label of "Asking Price". Which SAS program temporarily replaces the label "Asking Price" with the label "Sale Price" in the output?

- A. proc print data = sasuser.houses; label price = "Sale Price"; run;
- B. proc print data = sasuser.houses label; label price "Sale Price"; run;
- C. proc print data = sasuser.houses label; label price = "Sale Price"; run;
- D. proc print data = sasuser.houses; price = "Sale Price"; run;

**Answer: C**

### Question: 2

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 WORKPEOPLE has 5 observations, and the data set WORKMONEY has 7 observations. How many observations will the data set WORK.EMPSALARY contain?

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

**Answer: A**

### Question: 3

The following SAS program is submitted:

```
data work.accounting;  
set work.dept1 work.dept2;  
jobcode = 'FA1';  
length jobcode $ 8;  
run;
```

A character variable named JOBCODE is contained in both the WORK.DEPT1 and WORK.DEPT2 SAS data sets. The variable JOBCODE has a length of 5 in the WORK.DEPT1 data set and a length of 7 in the WORK.DEPT2 data set. What is the length of the variable JOBCODE in the output data set?

- A. 3
- B. 5
- C. 7
- D. 8

**Answer: B**

### Question: 4

Given the SAS data set SASDATA TWO:

SASDATA TWO

XY

----

52

31

56

The following SAS program is submitted:

```
data sasuser.one two sasdata.three;
```

```
set sasdata two;
```

```
if x = 5 then output sasuser.one;
```

```
else output sasdata two;
```

```
run;
```

What is the result?

- A. data set SASUSER.ONE has 5 observationsdata set SASUSER.TWO has 5 observationsdata set WORK.OTHER has 3 observations
- B. data set SASUSER.ONE has 2 observationsdata set SASUSER.TWO has 2 observationsdata set WORK.OTHER has 1 observations
- C. data set SASUSER.ONE has 2 observationsdata set SASUSER.TWO has 2 observationsdata set WORK.OTHER has 5 observations
- D. No data sets are output.The DATA step fails execution due to syntax errors.

**Answer: D**

### Question: 5

The following SAS program is submitted:

```
footnote1 'Sales Report for Last Month';
```

```
footnote2 'Selected Products Only';
```

```
footnote3 'All Regions';
```

```
footnote4 'All Figures in Thousands of Dollars';
```

```
proc print data = sasuser.shoes;
```

```
footnote2 'All Products';
```

run;

Which footnote(s) is/are displayed in the report?

- A. All Products
- B. Sales Report for Last Month All Products
- C. All Products All Regions All Figures in Thousands of Dollars
- D. Sales Report for Last Month All Products All Regions All Figures in Thousands of Dollars

**Answer: B**

### Question: 6

Given the raw data record DEPT:

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

Printing 750

The following SAS program is submitted:

```
data bonus;
```

```
infile 'dept';
```

```
inputdept$ 1-11 number 13- 15;
```

```
<insert statement here>
```

```
run;
```

Which SAS statement completes the program and results in a value of 'Printing750' for the DEPARTMENT variable?

- A. department = dept || number;
- B. department = left(dept) || number;
- C. department = trim(dept) || number;
- D. department=trim(dept)||put(number,3.);

**Answer: D**

### Question: 7

The following SAS program is submitted:

```
data one;
```

```
address1 = '214 London Way';
```

```
run;
```

```
data one;
```

```
set one;
```

```
address = tranwrd(address1, 'Way', 'Drive'); run;
```

What are the length and value of the variable ADDRESS?

- A. Length is 14; value is '214 London Dri'.
- B. Length is 14; value is '214 London Way'.

- C. Length is 16; value is '214 London Drive'.  
D. Length is 200; value is '214 London Drive'.

**Answer: D**

### Question: 8

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**

### Question: 9

The SAS data sets WORK.EMPLOYEE and WORK.SALARY are shown below:

WORK.EMPLOYEE WORK.SALARY

fname age name salary

Bruce 30 Bruce 25000

Dan 40 Bruce 35000

Dan 25000

The following SAS program is submitted:

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

Which one of the following statements completes the merge of the two data sets by the FNAME variable?

- A. merge work.employee work.salary (fname = name);  
B. merge work.employee work.salary (name = fname);  
C. merge work.employee work.salary (rename = (fname = name));  
D. merge work.employee work.salary (rename = (name = fname));

**Answer: D**

### Question: 10

Which program displays a listing of all data sets in the SASUSER library?

- A. proc contents lib = sasuser.all; run;
- B. proc contents data = sasuser.all; run;
- C. proc contents lib = sasuser.\_all\_; run;
- D. proc contents data = sasuser.\_all\_; run;

**Answer: D**

### Question: 11

The following SAS program is submitted:

```
proc sort data = work.employee;  
by descending fname;  
proc sort data = work.salary;  
by descending fname;  
data work.empdata;  
merge work.employee  
work.salary;  
by fname;  
run;
```

Why does the program fail to execute?

- A. The SORT procedures contain invalid syntax.
- B. The merged data sets are not permanent SAS data sets.
- C. The RUN statement was omitted after each of the SORT procedures.
- D. The data sets were not merged in the order by which they were sorted.

**Answer: D**

### Question: 12

The following SAS program is submitted:

```
data work.sales;  
do year = 1 to 5;  
do month=1 to 12;  
x+1;  
output
```

end;  
end;  
run;  
How many observations are written the WORK SALES data set?

- A. 0
- B. 1
- C. 5
- D. 60

**Answer: D**

### Question: 13

Given the following raw data record:

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

son Travis,

The following output is desired:

Obs relation firstname

1 son Travis

Which SAS program correctly reads in the raw data?

- A. data family ( dlm = ',' ); infile 'tile specification'; input relation \$ firstname \$; run;
- B. options dlm = ','; data family; infile 'file specification'; input relation \$ firstname \$; run;
- C. data family; infile 'file specification' dlm = ','; input relation \$ firstname \$; run;
- D. data family; infile 'file specification'; input relation \$ firstname \$ / dim = ','; run;

**Answer: C**

### Question: 14

Given the SAS data set AGES:

AGES

AGE

-----

The variable AGE contains character values. The following SAS program is submitted:

data subset;

set ages;

where age > 12;

run;

How many observations are written out to the data set SUBSET?

- A. 0
- B. 1

- C. 2
- D. 3

**Answer: A**

### Question: 15

Given the SAS data set PRICES:

PRICES

prodid price

K12S5.10producttype

NETWORKsales

15returns

2

B132S 2.34HARDWARE30010

R18KY21.29SOFTWARE255

3KL8BY 6.37HARDWARE12515

DY65DW 5.60HARDWARE455

DGTY23 4.55HARDWARE672

The following SAS program is submitted:

data hware inter soft;

set prices (keep = producttype price);

if price le 5.00;

if producttype = 'HARDWARE' then output HWARE;

else if producttype = 'NETWORK' then output INTER;

else if producttype = 'SOFTWARE' then output SOFT;

run;

How many observations does the HWARE data set contain?

- A. 0
- B. 2
- C. 3
- D. 4

**Answer: B**

### Question: 16

The following SAS program is submitted:

data work.accounting;

set work.department;

length jobcode \$ 12;

jobcode='FAL';

run;



---

The WORK.DEPARTMENT data set contains a character variable named JOBCODE with a length of 5. What is the result?

- A. The length of the variable JOBCODE is 3.
- B. The length of the variable JOBCODE is 5.
- C. The length of the variable JOSBODE is 12.
- D. The program fails to execute due to errors.

**Answer: B**

### Question: 17

Which ODS statement option terminates output being written to an HTML file?

- A. END
- B. QUIT
- C. STOP
- D. CLOSE

**Answer: D**

### Question: 18

The SAS data set PETS is sorted by the variables TYPE and BREED.

The following SAS program is submitted:

```
proc print data = pets;  
var type breed;  
sum number;  
run;
```

What is the result?

- A. The SUM statement produces only a grand total of NUMBER.
- B. The SUM statement produces only subtotals of NUMBER for each value of TYPE.
- C. The SUM statement produces both a grand total of NUMBER and subtotals of NUMBER for each value of TYPE.
- D. Nothing is produced by the SUM statement; the program fails to execute.

**Answer: A**

### Question: 19

The following SAS program is submitted:

```
data work.passengers;
if OrigPassengers = . then'
OrigPassengers = 100;
TransPassengers = 100;
OrigPassengers = .;
TotalPassengers = sum (OrigPassengers, TransPassengers) +0;
run;
```

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

- A. 0
- B. 100
- C. 200
- D. (missing numeric value)

**Answer: B**

### Question: 20

Given the SAS data set PRICES:

```
PRICES
Prodid priceproducttypesalesreturns
K1255.10NETWORK152
B132S 2.34HARDWARE30010
R18KY2 1.29SOFTWARE255
3KL8BY 6.37HARDWARE12515
DY65DW 5.60HARDWARE455
DGTY23 4.55HARDWARE672
```

The following SAS program is submitted:

```
data hware inter cheap;
set prices(keep = producttype price);
if producttype = 'HARDWARE' then output hware; else if producttype = 'NETWORK' then output
inter; if price le 5.00;
run;
if producttype = 'HARDWARE' then output hware; else if producttype = 'NETWORK' then output
inter; if price le 5.00;
run;
```

How many observations does the HWARE data set contain?

- A. 0
- B. 2
- C. 3
- D. 4

**Answer: D**

## Question: 21

The following SAS program is submitted:

```
data WORK.SALES;
  do Year=1 to 5;
    do Month=1 to 12;
      X + 1;
    end;
  end;
run;
```

How many observations are written to the WORK.SALES data set?

- A. 0
- B. 1
- C. 5
- D. 60

**Answer: B**

## Question: 22

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;
  drop i;
run;
```

The program fails execution due to syntax errors. What is the cause of the syntax error?

- A. The variable MONTHSALES does not exist.
- B. An array cannot be referenced on a KEEP data set option.
- C. The KEEP= data set option should be (KEEP = MONTHSALES).
- D. The KEEP= data set option should be the statement KEEP MONTHSALES{12}.

**Answer: B**

## Question: 23

Given the SAS data set EMPLOYEES:  
EMPLOYEES

NAME SALARY

-----

Innis60000

Jolli50000

Ellis55000

Liu45000

The following SAS program is submitted:

```
proc print data = employees; where name like '_i%';
```

```
run;
```

What is contained in the output?

- A. Liu only
- B. Innis and Ellis only
- C. Innis, Ellis, and Liu only
- D. Innis, Jolli, Ellis, and Liu

**Answer: A**

## Question: 24

Given the SAS data set ONE:

ONE

ObsDte

-----

109JAN2005

212JAN2005

The following SAS program is submitted:

```
data two;
```

```
set one;
```

```
day = <insert expression here>;
```

```
format dte date9.;
```

```
run;
```

The data set TWO is created:

TWO

ObsDteDay

109JAN20051

12JAN20054

Which expression successfully completed the program and created the variable DAY?

- A. day(dte)
- B. weekday(dte)
- C. dayofweek(dte)
- D. datdif(dte,'01jan2005'd,'act/act')

**Answer: B**

## Question: 25

Read the table:

Given the SAS data set SASUSER.HOUSES:

Obs style bedrooms baths prices sqfeet street

1 CONDO 21.58 0050 1200 MAIN

2 CONDO 32.57 9350 1300 ELM

3 CONDO 42.51 2715 01400 OAK

4 CONDO 22.01 10700 1100 FIFTH

5 TWOSTORY 43.01 0725 02100 SECOND

6 TWOSTORY 21.05 5650 1600 WEST

7 TWOSTORY 21.06 9250 1450 NORTH

6 TWOSTORY 42.51 0295 02000 SOUTH

The following SAS program is submitted:

```
proc report data = sasuser.houses nowd headline;
```

```
column style price;
```

```
where price lt 100000;
```

```
<insert DEFINE statement here>
```

```
define price / mean width = 9 format = dollar12.;
```

```
title;
```

```
run;
```

The following output is desired:

```
style price
```

```
-----
```

```
CONDO $79,700
```

```
TWOSTORY $62,550
```

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

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

**Answer: C**



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