SAS Institute

A00-281
SAS Certified Clinical Trials Programming Using SAS 9 - Accelerated Version

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Question: 1

This question will ask you to provide a line of missing code. Given the data set WORK.STUDYDATA with the following variable list:

#	Variable	Type	Len	Label
2	DAY	Char	8	Study Day
3	DIABP	Num	8	Diastolic Blood Pressure
1	TRT	Char	8	Treatment

The following SAS program is submitted:

```
proc means data=WORK.STUDYDATA noprint;
<insert code here>
class TRT DAY;
var DIABP;
output out=WORK.DIAOUT mean=meandp;
run;
```

WORK.DIAOUT should contain:

- the mean diastolic blood pressure values for every day by treatment group
- the overall mean diastolic blood pressure for each treatment group

Which statement correctly completes the program to meet these requirements?

Response:

A. where trt or trt*day;
B. types trttrt*day;
C. by trt day;
D. id trt day;

Answer: B

Question: 2

The following SAS program is submitted:

```
proc sort data=SASUSER.VISIT out=PSORT;
by code descending date cost;
run;
```

Which statement is true regarding the submitted program?

Response:

A. The descending option applies to the variable CODE.
B. The variable CODE is sorted by ascending order.
C. The PSORT data set is stored in the SASUSER library.
D. The descending option applies to the DATE and COST variables.

Answer: D

Question: 3

Given the following data set:

subjid	trt	result	dtime	age
1		CR	0	56
2	A	PD	1	52
3	B	PR	1	47
4	B	CR	2	29
5	1	SD	1	39
6	C	SD	3	21
7	C	PD	2	90
1	A	CR	0	43
3	B	PD	1	56

The following output was generated from PROC PRINT.

Obs	subjid	trt	result	dtime	age
1	1		CR	0	56
2	2	A	PD	1	52
3	3	B	PR	1	47
4	4	B	CR	2	29
5	5	1	SD	1	39
6	6	C	SD	3	21
7	7	C	PD	2	90

Which program was used to prepare the data for this PROC PRINT output?
Response:

A. proc sort data=one out=two;
bysubjid;
run;
B. proc sort data=one out=two nodupkey;
bysubjid;
run;
C. proc sort data=one out=two nodup;
bysubjid;
run;
D. proc sort data=one out=two nodupkey;
bysubjidtrt;

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```
run;
```

Answer: B

Question: 4

This question will ask you to provide a line of missing code. The following SAS program is submitted:

```
proc format ;
valuedayfmt  1='Sunday'
             2='Monday'
             3='Tuesday'
             4='Wednesday'
             5='Thursday'
             6='Friday'
             7='Saturday';
run;
proc report data=diary;
column subject day var1 var2;
<insert code here>
run;
```

In the DIARY data set, the format DAYFMT is assigned to the variable DAY. Which statement will cause variable DAY to be printed in its unformatted order?
Response:

A. define day / order 'Day';
B. define day / order order=data 'Day';
C. define day / order noprint 'Day';
D. define day / order order=internal 'Day';

Answer: D

Question: 5

Given the following data at WORK DEMO:

PTID	Sex	Age	Height	Weight
457892	M	14	69.0	112.5
464389	F	13	56.5	84.0
478865	F	13	65.3	98.0
483476	F	14	62.8	102.5
493847	M	14	63.5	102.5
500029	M	12	57.3	83.0
513842	F	12	59.8	84.5
515151	F	15	62.5	112.5
522396	M	13	62.5	84.0
534787	M	12	59.0	99.5
536777	F	11	51.3	50.5
546823	F	14	64.3	90.0
556677	F	12	56.3	77.0
565699	F	15	66.5	112.0
578222	M	16	72.0	150.0
635445	M	12	64.8	128.0

Which SAS program prints only the first 5 males in this order from the data set?
Response:

A. proc sort data=WORK.DEMO out=out;
by sex;
run;
proc print data= out (obs=5);
run;
B. proc print data=WORK.DEMO(obs=5);
where Sex='M';
run;
C. proc print data=WORK.DEMO(where=(sex='M'));
whereobs<=5;
run;
D. proc sort data=WORK.DEMO out=out;
by sex descending;
run;
proc print data= out (obs=5) ;
run;

Answer: B

Question: 6

Which SAS program will apply the data set label 'Demographics' to the data set named DEMO?
Response:

A. data demo (label='Demographics');
set demo;
run;
B. data demo;
set demo (label='Demographics');

run;
C. data demo (label 'Demographics') ;
set demo;
run;
D. data demo; set demo;
label demo= 'Demographics' ;
run;

Answer: A

Question: 7

The following output is displayed:

Table of GENDER by ANSWER

GENDER ANSWER

Frequency|	1|	2|	8|	Total
1 |	12 |	22 |	5 |	39
2 |	22 |	8 |	3 |	33
Total	34	30	8	72

Frequency Missing = 4

Which SAS program created this output?
Response:

A. procfreq data=WORK.TESTDATA;
tables gender * answer / nocolnorownopercent;
run;
B. procfreq data=WORK.TESTDATA;
tables answer * gender / nocolnorownopercent;
run;
C. procfreq data=WORK.TESTDATA;
tables gender * answer / nocolnorownopercent missing;
run;
D. procfreq data=WORK.TESTDATA;
tables answer * gender / nocolnorownopercent missing;
run;

Answer: A

Question: 8

Given the following data set WORK.DEMO:

PTID Sex Age Height Weight
689574 M 15 80.0 115.5
423698 F 14 65.5 90.0
758964 F 12 60.3 87.0
493847 F 14 62.8 98.5
653347 M 14 63.5 102.5
500029 M 12 57.3 83.0
513842 F 12 59.8 84.5
515151 F 15 62.5 112.5
522396 M 13 62.5 84.0
534787 M 12 59.0 99.5
875642 F 11 51.3 50.5
879653 F 15 75.3 105.0
542369 F 12 56.3 77.0
698754 F 11 50.5 70.0
656423 M 16 72.0 150.0
785412 M 12 67.8 121.0
785698 M 16 72.0 110.0
763284 M 11 57.5 85.0
968743 M 14 60.5 85.0
457826 M 18 74.0 165.0
The following SAS program is submitted:
proc print data=WORK.DEMO(firstobs=5 obs=10);
where Sex='M';
run;
How many observations will be displayed?
Response:

A. 4
B. 6
C. 7
D. 8

Answer: B

Question: 9

Which statement correctly adds a label to the data set?
Response:

A. DATA two Label="Subjects having duplicate observations";
set one;
run;
B. DATA two;

Label="Subjects having duplicate observations";
set one;
run;
C. DATA two;
set one;
Label dataset="Subjects having duplicate observations";
run;
D. DATA two(Label="Subjects having duplicate observations") ;
set one;
run;

Answer: D

Question: 10

Given the following data set:

SUBJID	GENDER	AGE	TRT
4	M	63	3
4	M	63	1
5	F	72	4
1	F	45	1
3	M	57	2
2	F	39	1
3	M	57	2

The following output data set was produced:

SUBJID	GENDER	AGE	TRT
3	M	57	1
3	M	57	1
4	M	63	2
4	M	63	0
5	F	72	3

Which SAS program produced this output?
Response:

A. proc sort data=one(where=(age>50)) out=two;
bysubjid;
run;
B. proc sort data=one(if=(age>50)) out=two;
bysubjid;
run;
C. proc sort data=one out=two;
where=(age>50) ;
bysubjid;
run;
D. proc sort data=one out=two;
if age>50;
bysubjid;

run;

Answer: A

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