SAS Institute

A00-282
SAS Certified Professional - Clinical Trials Programming Using SAS 9.4

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The following question will ask you to provide a line of missing code. The following program is submitted to output observations from data set ONE that have more than one record per patient.

```
proc sort data=one out=two;
  by subjid;
run;
data two;
  set two;
 <insert code here>
  if (first.subjid ne 1 or last.subjid ne 1) then output ;
run ;
```

Please enter the line of code that will correctly complete the program
Note:-Case is ignored. Do not add leading or trailing spaces to your answer.
Response:

A. BYSUBJID;
BYSUBJID;
B. id;
PTON run;
C. BYSUBJID;
D. BYSUBJID;
run;

Answer: C

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

Answer: A

Question: 3

Vital Signs are a component of which SDTM class?
Response:

A. Findings
B. Interventions
C. Events
D. Special Purpose

Answer: A

Question: 4

You are using SAS software to create reports that will be output in a Rich Text Format so that it may be read by Microsoft Word. The report will span multiple pages and you want to display a '(Continued)' text at the end of each page when a table spans multiple pages.
Which statement can you add to the SAS program to ensure the inclusion of the '(Continued)' text?
Response:

A. ods rtf file='report.rtf';
B. ods tagsets.rtf file='report.rtf';
C. ods tagsets.rtf file='report.rtf' break='Continued';
D. ods file open='report.rtf' type=rtf break='(Continued)';

Question: 5

The following SAS program is submitted:
proc univariate date=work.STUDY;
by VISIT;
class REGION TREAT
var HBA1C GLUCOS;
run;
You want to store all calculated means and standard deviations in one SAS data set. Which statement must be added to the program?
Response:

A. output mean std;
B. ods output mean=m1 m2 std=s1 s2;
C. output out=WORK.RESULTS mean=m1 m2 std=s1 s2;
D. ods output out=WORK.RESULTS mean=m1 m2 std=s1 s2;

Answer: C

Question: 6

The following SAS program is submitted:
%let member1-Demog;
%let member2=Adverse;
%let Root=member;
%let Suffix=2;
%put &&&Root&Suffix;
What is written to the SAS log?
Response:

A. &member2
B. Adverse
C. &&&Root&Suffix
D. WARNING: Apparent symbolic reference ROOT2 not resolved.

Answer: B

Question: 7

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 trt trt*day;
C. by trt day;
D. id trt day;

Answer: B

Question: 8

What is the main focus of Good Clinical Practices (GCP)?
Response:

A. harmonized data collection
B. standard analysis practices
C. protection of subjects
D. standard monitoring practices

Answer: C

Question: 9

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: C

Question: 10

What is the primary purpose of programming validation?
Response:

A. Ensure that the output from both the original program and the validation program match.
B. Efficiently ensure any logic errors are discovered early in the programming process.
C. Justify the means used to accomplish the outcome of a program and ensure its accurate representation of the original data.

D. Document all specifications pertaining to programmed output and ensure all were reviewed during the programming process.

Answer: C