

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

(3)

```
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?

```
Num    Char
---    ---
1      23
```

0

```
Num    Char
---    ---
1      23
1      77
```

1

```
Num Char --- ----- 1 23 3 23 1 77
```

No output is generated

3

### 186 The following SAS program is submitted:

(4)

```
data work.test;
set work.staff (keep = jansales febsales marsales);
array diff_sales{3} difsales1 - difsales3;
array monthly{3} jansales febsales marsales;
run;
```

What new variables are created?

JANSALES, FEBSALES and MARSALES	0
MONTHLY1, MONTHLY2 and MONTHLY3	1
DIFSALES1, DIFSALES2 and DIFSALES3	2
DIFF_SALES1, DIFF_SALES2 and DIFF_SALES3	3

**56** You have acquired an existing program from a coworker which uses a macro. It is not immediately clear to you what this macro is doing. Which OPTION can be used to put the SAS statements generated by the macro execution into the LOG? (4)

<input type="radio"/> MPRINT	0
<input type="radio"/> SYMBOLGEN	1
<input type="radio"/> MLOGIC	2
<input type="radio"/> MRECALL	3

48 The following SAS program is submitted:

(4)

```
data WORK.DATE;  
    x="01Jan1960"d;  
run;
```

Which value does variable X contain?

<input type="radio"/>	the numeric value 0	0
<input type="radio"/>	the character value "01Jan1960"	1
<input type="radio"/>	the date value 01011960	2
<input type="radio"/>	the code contains a syntax error and does not execute.	3

359 The following SAS program is submitted:

(4)

```
data WORK.INFO;  
  infile 'DATAFILE.TXT';  
  input  @1 Company $20. @25 State $2. @;  
  if State=' ' then input @30 City Year;  
  input NumEmployees;  
run;
```

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

1	0
2	1
3	2
4	3

### 123 How can you tell whether you have specified an invalid option in a SAS program?

(4)

<input type="checkbox"/>	A log message indicates an error in a statement that seems to be valid.	0
<input type="checkbox"/>	A log message indicates that an option is not valid or not recognized.	1
<input type="checkbox"/>	The message "PROC running" or "DATA step running" appears at the top of the active window.	2
<input type="checkbox"/>	You can't tell until you view the output from the program.	3

## 29 Given the following data set DEMOG:

(4)

SITE	PATID	DOB	SEXCD	RACECD	TRTMNT
1	1	11/25/1946	2	1	1
1	2	11/01/1972	1	1	2
1	3	10/13/1969	2	1	1
1	4	05/18/1958	2	1	2
1	10	05/24/1999	2	1	1
2	1	03/15/1974	1	2	1
2	2	01/04/1983	2	1	2
2	3	12/22/1963	1	1	1
2	4	12/28/1976	1	9	2
2	5	10/04/1958	1	1	1
2	10	07/05/1969	1	2	2

Which selection below would be considered hard-coding?

if sexcd eq 1 then sex = "Male" ; else if sexcd eq 2 then sex = "Female" ;	0
if site eq 1 then sexcd = 2 ; else if site eq 2 then sexcd = 1 ;	1
if site eq 1 and sexcd ne 2 then check = 1 ; else if site eq 2 and sexcd ne 1 then check = 2 ;	2
birthdt = input(dob, mmddyy10.) ;	3

305 The following SAS program is submitted:

(4)

```
data work.staff;  
JobCategory = 'FA';  
JobLevel = '1';  
JobCategory = JobCategory || JobLevel;  
run;
```

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

FA	0
FA1	1
FA 1	2
' ' (missing character value)	3



318 A raw data file is listed below:

(4)

```
-----10-----20-----30
John   McCloskey  35  71
June   Rosesette  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?

<input type="radio"/>	0	0
<input type="radio"/>	2	1
<input type="radio"/>	3	2
<input type="radio"/>	No data set is created as the program fails to execute due to errors.	3

340 The following SAS program is submitted:

(4)

```
proc print data = sasuser.houses;  
run;  
proc means data = sasuser.shoes;  
run;
```

Which one of the following OPTIONS statements resets the page number to 1 for the second report?

<input type="radio"/> options pageno = 1;	0
<input type="radio"/> options pagenum = 1;	1
<input type="radio"/> options reset pageno = 1;	2
<input type="radio"/> options reset pagenum = 1;	3

199 Read the table The following SAS program is submitted:

(4)

```
procfreq data = sales;
<insert TABLES statement here>
run;
```

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 22.22 50.00 50.00	1 11.11 25.00 33.33	1 11.11 25.00 50.00	4 44.44
SOUTH	2 22.22 40.00 50.00	2 22.22 40.00 66.67	1 11.11 20.00 50.00	5 55.56
Total	4 44.44	3 33.33	2 22.22	9 100.00

Which TABLES statement(s) completed the program and produced the output?

<input type="checkbox"/> tables region product;	0
<input type="checkbox"/> tables region * product;	1
<input type="checkbox"/> tables product * region;	2
<input type="checkbox"/> tables product; tables region;	3

237 The following code was modified to generate the results further below:

(4)

```
proc format;
  value agegrp
    low-12 ='Pre-Teen'
    13-high = 'Teen';
run;
proc means data=SASHELP.CLASS;
  var Height;
  class Sex Age;
  format Age agegrp.;
run;
```

The following results were generated to display only specific statistics and limit the decimals with the modification: Which statement below was modified or added to generate the results above:

Analysis Variable : Height		N			
Sex	Age	Obs	Minimum	Maximum	Mean
F	Pre-Teen	3	51.3	59.8	55.8
	Teen	6	56.5	66.5	63.0
M	Pre-Teen	4	57.3	64.8	59.7
	Teen	6	62.5	72.0	66.8

var Height / nobs min max mean maxdec=1;

0

proc means data=SASHELP.CLASS maxdec=1 ;

1

proc means data=SASHELP.CLASS min max mean maxdec=1;

2

output nobs min max mean maxdec=1;

3