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SAS Base Programming for SAS 9

SAS Institute A00-211

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Topic Break Down

Topic	No. of Questions
Topic 1, Volume A	99
Topic 2, Volume B	171
Total	270

Given the contents of the raw data file EMPLOYEE:

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

Alan 19/2/2004 ACCT

Rob 22/5/2004 MKTG

MaryJane 14/3/2004 EDUC

The following SAS program is submitted: data emps; infile 'employee'; input@1 name$

@15 date

@25 department$; run;

Which INFORMAT correctly completes the program?

A. date9.

B. ddmmyyyy9.

C. ddmmyy10.

D. ddmmyyyy10.

ANSWER: C

The following SAS program is submitted:

data combine; prefix='505'; middle='6465 '; end='09090'; ; run;

Which statement successfully completes the program so that TOTAL has a value of 505-646509090?

A. total = cat('-', prefix, middle, end);

B. total = catx('-', prefix, middle, end);

C. total = prefix !!'-'!! middle ''!!'-'!! end;

D. total = prefix!!'-'!! left(middle)!!'-'!! end;

ANSWER: B

QUESTION NO: 3

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 NO: 4

Given the SAS data set PRICES:

PRICES

prodid price

K12S 5.10 producttype

NETWORK sales

15 returns

2

B132S 2.34 HARDWARE 300 10

R18KY21.29 SOFTWARE 25 5

3KL8BY 6.37 HARDWARE 125 15

DY65DW 5.60 HARDWARE 45 5 DGTY23 4.55 HARDWARE 67 2 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 NO: 5

The following SAS program is submitted:

libname temp 'SAS data library'; data work.new; set temp.jobs; format newdate mmddw10.; 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. Obsnewdate mdate ddate 104/15/2005 APR 6

B. Obs newdate mdate ddate 104/15/2005 4 6

C. Obs newdate mdate ddate 104/15/2005 APR 7

D. Obs newdate mdate ddate
104/15/2005 4 7

ANSWER: B

QUESTION NO: 6

The following SAS program is submitted:

data work.total;

set work.salary(keep = department wagerate); by department; if first.department then payroll = 0; payroll + wagerate; if last.department run;

The SAS data set WORK.SALARY, currently ordered by DEPARTMENT, contains 100 observations for each of 5 departments. What is the result?

A. The WORK.TOTAL data set contains 5 observations.

B. The WORKTDTAL data set contains 100 observations.

C. The WORKTOTAL data set contains 500 observations.

D. The program fails to execute due to errors.

ANSWER: A

QUESTION NO: 7

Given the SAS data set WORKAWARDS:

WORK.AWARDS

FNAME POINTS MONTH

---------- ----------- ----------Amy 2 4

Amy 1 7

Gerard 3 3 Wang 3 3

Wang 1 12 Wang 1 8

The following SAS program is submitted:

proc sort data = work.awards; by descending fname points; run;

How are the observations sorted?

A. ENAME POINTS MONTH
Wang 3 3
Wang 1 12 Wang 1 8
Gerard 3 3
Amy 2 4
Amy 1 7

B. ENAME POINTS MONTH
Amy 2 4
Amy 1 7
Gerard 3 3
Wang 3 3
Wang 1 8
Wang 1 12

C. ENAME POINTS MONTH Wang 3 3
Wang 1 8
Wang 1 12 Gerard 3 3
Amy 2 4
Amy 1 7

D. ENAME POINTS MONTH
Wang 1 12
Wang 1 8
Wang 3 3
Gerard 3 3

Amy 1 7

Amy 2 4

ANSWER: A

QUESTION NO: 8

A SAS PRINT procedure output of the WORK.LEVELS data set is listed below:

Obs name level

1 Frank 1

2 Joan 2

3 Sui 2

4 Jose 3 5 Burt 4 6 Kelly .

7 Juan 1

The following SAS program is submitted:

data work.expertise; set work.levels; if level = . then expertise = 'Unknown'; else if level = 1 then expertise = 'Low'; else if level = 2 or 3 then expertise = 'Medium'; else expertise = 'High'; run;

Which of the following values does the variable EXPERTISE contain?

A. Low, Medium, and High only

B. Low, Medium, and Unknown only

C. Low, Medium, High, and Unknown only

D. Low, Medium, High, Unknown, and ' ' (missing character value)

ANSWER: B

QUESTION NO: 9

The SAS data set EMPLOYEE_INFO is listed below:

IDNumber Expenses

2542 100.00

3612 133.15

2198 234.34

2198 111.12

The following SAS program is submitted:

proc sort data = employee_info; run;

Which one of the following BY statements completes the program and sorts the data sequentially by descending expense values within each descending IDNUMBER value?

A. by descending IDNumber Expenses;

B. by (IDNumber Expenses) descending;

C. by IDNumber descending Expenses descending;

D. by descending IDNumber descending Expenses;

ANSWER: D

QUESTION NO: 10

The following SAS program is submitted:

data test; set sasuser.employees; if 2 le years_service le 10 then amount = 1000; else amount = 0;

amount_per_year = years_service / amount run;

What is the value of the variable AMOUNT_PER_YEAR if an employee has been with the company for one year?

A. 0

B. 0.001

C. 1

D. . (missing numeric value)

ANSWER: D

QUESTION NO: 11

Given the following raw data record:

07Jan2005

Which INFORMAT reads this raw data and stores it as a SAS date value?

A. dmy9.

B. date9.

C. ddMMMyy9.

D. ddmmmyyyy9.

QUESTION NO: 12

The SAS data set named WORK.TEST is listed below:

capacity airplanetype staff 150 Large 10

Which one of the following SAS programs created this data set?

A. data work.test; capacity = 150;
if 100 le capacity le 200 then airplanetype = 'Large' and staff = 10; else airplanetype = 'Small' and staff = 5; run;

B. data work.test; capacity = 150;
if 100 le capacity le 200 then do;
airplanetype = 'Large'; staff = 10; end; else do;
airplanetype = 'Small'; staff = 5; end; run;

C. data work.test; capacity = 150;
if 100 le capacity le 200 then do;
airplanetype = 'Large'; staff = 10; else do;
airplanetype = 'Small'; staff = 5; end; run;

D. data work.test; capacity = 150;
if 100 le capacity le 200 then; airplanetype = 'Small'; staff = 5; else;
airplanetype = 'Large'; staff = 10; run;

QUESTION NO: 13

The following SAS program is submitted:

data work.month;

date = put('13mar2000'd,ddmmyy10.); run;

Which one of the following represents the type and length of the variable DATE in the output data set?

A. numeric, 8 bytes

B. numeric, 10 bytes

C. character, 8 bytes

D. character, 10 bytes

ANSWER: D

The following SAS program is submitted, creating the SAS data set ONE:

data one;

infile 'file specification'; input num chars$;

run;

ONE

NUM CHAR

------- ---------

1 23

3 23

1 77

The following SAS program is submitted:

proc print data = one; where char = 23; run;

What is output?

A. NUM CHAR
1 77
2

B. NUM CHAR
1 23
3 23

C. NUM CHAR
1 23
3 23
1 77

D. No output is generated.

ANSWER: D

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

```
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:

Analysis Variable : Height

Sex	Age	N 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

Which statement below was modified or added to generate the results above?

A. var Height / nobs min max mean maxdec=1;

B. proc means data=SASHELP.CLASS maxdec=1 ;

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

D. output nobs min max mean maxdec=1;

ANSWER: C