KillTest

품질은 좋고 서비스도 더욱 좋습니다

덤프

Exam : **A00-201**

Title : SAS base programming exam

Version : V3.66

1. The following SAS program is submitted:

proc means data = sasuser.houses std mean max;

      var sqfeet; run;

Which one of the following is needed to display the standard deviation with only two decimal places?

A. Add the option MAXDEC = 2　to the MEANS procedure statement.

B. Add the statement MAXDEC = 7.2; in the MEANS procedure step.

C. Add the statement FORMAT STD 7.2; in the MEANS procedure step.

D. Add the option FORMAT = 7.2 option to the MEANS procedure statement.

Answer: A

2. Which one of the following is true when SAS encounters a data error in a DATA step?

A. The DATA step stops executing at the point of the error, and no SAS data set is created.

B. A note is written to the SAS log explaining the error, and the DATA step continues to execute.

C. A note appears in the SAS log that the incorrect data record was saved to a separate SAS file for further examination.

D. The DATA step stops executing at the point of the error, and the resulting DATA set contains observations up to that point.

Answer: B

3. 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.

Which one of the following represents how many observations the WORK.TOTAL data set contains?

A. 5

B. 20

C. 100

D. 500

Answer: A

4. The following SAS program is submitted:

```
data work.retail;
        cost = '20000';
        total = .10 * cost;
run;
```

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

A. 2000

B. '2000'

C. . (missing numeric value)

D. ' ' (missing character value)

Answer: A

5. The following SAS program is submitted:

```
libname sasdata 'SAS-data-library';
data test;
        set sasdata.chemists;
        if jobcode = 'chem3'
            then description = 'Senior Chemist';
        else description = 'Unknown';
run;
```

A value for the variable JOBCODE is listed below:

JOBCODE

CHEM3

Which one of the following values does the variable DESCRIPTION contain?

A. chem3

B. Unknown

C. Senior Chemist

D. ' ' (missing character value)

Answer: B

6. 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

7. The following SAS program is submitted:

data work.flights;

      destination = 'CPH';

      select(destination);

            when('LHR') city = 'London';

            when('CPH') city = 'Copenhagen';

            otherwise;

      end;

run;

Which one of the following is the value of the CITY variable?

A. London

B. Copenh

C. Copenhagen

D. ' ' (missing character value)

Answer: B

8. The following SAS program is submitted and reads 100 records from a raw data file:

data work.total;

      infile 'file-specification' end = eof;

      input name $ salary;

      totsal + salary;

      <insert IF statement here>

run;

Which one of the following IF statements writes the last observation to the output data set?

A. if end = 0;

B. if eof = 0;

C. if end = 1;

D. if eof = 1;

Answer: D

9. Click the Exhibit button to view a listing of the SASUSER.HOUSES data set.

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;

title;

run;

The following ouput is created by the REPORT procedure:

style	price
CONDO	$79,700
RANCH	$68,575
SPLIT	$77,983
TWOSTORY	$62,550

Which one of the following DEFINE statements completes the above program and produces the above

output?

Obs	style	sqfeet	bedrooms	baths	street	price
1	RANCH	1250	2	1.0	Sheppard Avenue	$64,000
2	SPLIT	1190	1	1.0	Rand Street	$65,850
3	CONDO	1400	2	1.5	Market Street	$80,050
4	TWOSTORY	1810	4	3.0	Garris Street	$107,250
5	RANCH	1500	3	3.0	Kemble Avenue	$86,650
6	SPLIT	1615	4	3.0	West Drive	$94,450
7	SPLIT	1305	3	1.5	Graham Avenue	$73,650
8	CONDO	1390	3	2.5	Hampshire Avenue	$79,350
9	TWOSTORY	1040	2	1.0	Sanders Road	$55,850
10	CONDO	2105	4	2.5	Jeans Avenue	$127,150
11	RANCH	1535	3	3.0	State Highway	$89,100
12	TWOSTORY	1240	2	1.0	Fairbanks Circle	$69,250
13	RANCH	720	1	1.0	Nicholson Drive	$34,550
14	TWOSTORY	1745	4	2.5	Highland Road	$102,950
15	CONDO	1860	2	2.0	Arcata Avenue	$110,700

A. define style / order width = 9;

B. define style / group width = 9;

C. define style / across width = 9;

D. define style / display width = 9;

Answer: B

10. The following SAS program is submitted:

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?

A. FA

B. FA1

C. FA 1

D. ' ' (missing character value)

Answer: A

11. 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';   airplanetype = 'Small';

staff = 5;

end;

run;

D. data work.test;D.data work.test;

capacity = 150;

if 100 le capacity le 200 then;

airplanetype = 'Small';   airplanetype = 'Small';

staff = 5;

else;

airplanetype = 'Large';   airplanetype = 'Large';

staff = 10;

run;

Answer: B

12. The following SAS program is submitted:

  libname   rawdata1 'location of SAS data library';

filename rawdata2 'location of raw data file';

data work.testdata;

      infile <insert item here>;

      input sales1 sales2;

run;

Which one of the following is needed to complete the program correctly?

A. rawdata1

B. rawdata2

C. 'rawdata1'

D. 'rawdata2'

Answer: B

13. The following SAS SORT procedure step generates an output data set:

proc sort data = sasuser.houses out = report;

      by style;

run;

In which library is the output data set stored?

A. WORK

B. REPORT

C. HOUSES

D. SASUSER

Answer: A

14. A raw data record is shown below:

07Jan2002

Which one of the following informats would read this value and store it as a SAS date value?

A. date9.

B. ddmonyy9.

C. ddMMMyy9.

D. ddmmmyyyy9.

Answer: A

15. The following SAS DATA step is submitted:

libname temp 'SAS-data-library';

data temp.report;

     set sasuser.houses;

     newvar = price * 1.04;

run;

Which one of the following statements is true regarding the program above?

A. The program is reading from a temporary data set and writing to a temporary data set.

B. The program is reading from a temporary data set and writing to a permanent data set.

C. The program is reading from a permanent data set and writing to a temporary data set.

D. The program is reading from a permanent data set and writing to a permanent data set.

Answer: D

16. A raw data record is listed below:

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

Printing   750

The following SAS program is submitted:

data bonus;

     infile 'file-specification';

     input dept $ 1 - 11 number 13 - 15;

     <insert code here>

run;

Which one of the following SAS statements completes the program and results in a value of 'Printing750'

for the DEPARTMENT variable?

A. department = trim(dept) || number;

B. department = dept || input(number,3.);

C. department = trim(dept) || put(number,3.);

D. department = input(dept,11.) || input(number,3.);

Answer: C

17. The contents of two SAS data sets named EMPLOYEE and SALARY are listed below:

```
EMPLOYEE                SALARY
name    age             name    salary
Bruce   30              Bruce   40000
Dan     35              Bruce   35000
                        Dan     37000
                        Dan     .
```

The following SAS program is submitted:

data work.empsalary;

    merge work.employee (in = inemp)

              work.salary (in = insal);

    by name;

    if inemp and insal;

run;

How many observations will the data set WORK.EMPSALARY contain?

A. 2

B. 4

C. 5

D. 6

Answer: B

18. Which one of the following statements is true regarding the name of a SAS array?

A. It is saved with the data set.

B. It can be used in procedures.

C. It exists only for the duration of the DATA step.

D. It can be the same as the name of a variable in the data set.

Answer: C

19. The contents of the raw data file FURNITURE are listed below:

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

chair,,table

chair,couch,table

The following SAS program is submitted:

data stock;

      infile 'furniture' dsd;

      input item1 $ item2 $ item3 $;

run;

Which one of the following is the value of the variable named ITEM2 in the first observation of the output

data set?

A. table

B. ,table

C. .   (missing numeric value)

D. ' ' (missing character value)

Answer: D

20. The contents of the raw data file CALENDAR are listed below:

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

01012000

The following SAS program is submitted:

data test;

      infile 'calendar';

      input @1 date mmddyy10.;

      if date = '01012000'd then event = 'January 1st';

run;

Which one of the following is the value of the EVENT variable?

A. 01012000

B. January 1st

C. . (missing numeric value)

D. The value can not be determined as the program fails to execute due to errors.

Answer: D

21. The following SAS program is submitted:

data work.report;

      set work.sales_info;

      if qtr(sales_date) ge 3;

run;

The SAS data set WORK.SALES_INFO has one observation for each month in the year 2000 and the

variable SALES_DATE which contains a SAS date value for each of the twelve months.

How many of the original twelve observations in WORK.SALES_INFO are written to the WORK.REPORT

data set?

A. 2

B. 3

C. 6

D. 9

Answer: C

22. The following SAS program is submitted:

data work.one;

    x = 3;

    y = 2;

    z = x ** y;

run;

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

A. 6

B. 9

C. . (missing numeric value)

D. The program fails to execute due to errors.

Answer: B

23. The following SAS program is submitted:

proc format;

    value score   1 - 50 = 'Fail'

                    51 - 100 = 'Pass';

run;

proc report data = work.courses nowd;

    column exam;

    define exam / display format = score.;

run;

The variable EXAM has a value of 50.5.

How will the EXAM variable value be displayed in the REPORT procedure output?

A. Fail

B. Pass

C. 50.5

D. . (missing numeric value)

Answer: C

24. The following SAS program is submitted:

data work.test;

     array agents{4} $ 12 sales1 - sales4;

run;

Which one of the following represents the variables that are contained in the output data set?

A. SALES1, SALES2, SALES3, SALES4

B. AGENTS1, AGENTS2, AGENTS3, AGENTS4

C. None, the DATA step fails because the ARRAY statement can reference only numeric data.

D. None, the DATA step fails because the ARRAY statement can reference only pre-existing variables.

Answer: A

25. The contents of the raw data file PRODUCT are listed below:

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

24613 $25.31

The following SAS program is submitted:

data inventory;

     infile 'product';

     input idnum 5. @10 price;

run;

Which one of the following is the value of the PRICE variable?

A. 25.31

B. $25.31

C. . (missing numeric value)

D. No value is stored as the program fails to execute due to errors.

Answer: C

26. The following SAS program is submitted:

data work.test;

     First = 'Ipswich, England';

     City = substr(First,1,7);

     City_Country = City!!', '!!'England';

run;

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

A. Ipswich!!

B. Ipswich, England

C. Ipswich, 'England'

D. Ipswich   , England

Answer: D

27. The following SAS program is submitted:

data numrecords;

      infile 'file-specification';

      input @1 patient $15.

            relative $ 16-26 @;

      if relative = 'children' then

         input @54 diagnosis $15. @;

    else if relative = 'parents' then

         input @28 doctor $15.

             clinic $ 44-53

             @54 diagnosis $15. @;

      input age;

run;

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

A. 1

B. 2

C. 3

D. 4

Answer: A

28. 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 WORK.PEOPLE has 5 observations, and the data set WORK.MONEY has 7 observations.

How many observations will the data set WORK.EMPSALARY contain?

A. 0

B. 5

C. 7

D. 12

Answer: A

29. The contents of the raw data file SIZE are listed below:

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

72 95

The following SAS program is submitted:

data test;

      infile 'size';

      input @1 height 2. @4 weight 2;

run;

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

A. 2

B. 72

C. 95

D. .   (missing numeric value)

Answer: A

30. The observations in the SAS data set WORK.TEST are ordered by the values of the variable SALARY.

The following SAS program is submitted:

proc sort data = work.test out = work.testsorted;

      by name;

run;

Which one of the following is the result of the SAS program?

A. The data set WORK.TEST is stored in ascending order by values of the NAME variable.

B. The data set WORK.TEST is stored in descending order by values of the NAME variable.

C. The data set WORK.TESTSORTED is stored in ascending order by values of the NAME variable.

D. The data set WORK.TESTSORTED is stored in descending order by values of the NAME variable.

Answer: C

31. The following SAS program is submitted:

data allobs;

      set sasdata.origin (firstobs = 75 obs = 499);

run;

The SAS data set SASDATA.ORIGIN contains 1000 observations.

How many observations does the ALLOBS data set contain?

A. 424

B. 425

C. 499

D. 1000

Answer: B

32. A raw data file is listed below:

----|----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?

A. 0

B. 2

C. 3

D. No data set is created as the program fails to execute due to errors.

Answer: C

33. The following SAS program is submitted:

<insert ODS statement here>

proc means data = sasuser.shoes;

      where product in ('Sandal' , 'Slipper' , 'Boot');

run;

Which one of the following ODS statements completes the program and sends the report to an HTML file?

A. ods html = 'sales.html';

B. ods file = 'sales.html';

C. ods file html = 'sales.html';

D. ods html file = 'sales.html';

Answer: D

34. The following SAS program is submitted:

data _null_;

     set old (keep = prod sales1 sales2);

     file 'file-specification';

     put sales1 sales2;

run;

Which one of the following default delimiters separates the fields in the raw data file created?

A. :   (colon)

B. (space)

C. ,   (comma)

D. ;   (semicolon)

Answer: B

35. The following SAS program is submitted:

data _null_;

     set old;

     put sales1 sales2;

run;

Where is the output written?

A. the SAS log

B. the raw data file that was opened last

C. the SAS output window or an output file

D. the data set mentioned in the DATA statement

Answer: A

36. When the following SAS program is submitted, the data set SASDATA.PRDSALES contains 5000
observations:

libname sasdata 'SAS-data-library';

options obs = 500;

proc print data = sasdata.prdsales (firstobs = 100);

run;

options obs = max;

proc means data = sasdata.prdsales (firstobs = 500);

run;

How many observations are processed by each procedure?

A. 400 for PROC PRINT

4500 for PROC MEANS

B. 401   for PROC PRINT

4501 for PROC MEANS

C. 401 for PROC PRINT

4500 for PROC MEANS

D. 500 for PROC PRINT

5000 for PROC MEANS

Answer: B

37. Which one of the following ODS statement options terminates output being written to an HTML file?

A. END

B. QUIT

C. STOP

D. CLOSE

Answer: D

38. A raw data file is listed below:

RANCH,1250,2,1,Sheppard Avenue,"$64,000"

SPLIT,1190,1,1,Rand Street,"$65,850"

CONDO,1400,2,1.5,Market Street,"80,050"

TWOSTORY,1810,4,3,Garris Street,"$107,250"

RANCH,1500,3,3,Kemble Avenue,"$86,650"

SPLIT,1615,4,3,West Drive,"94,450"

SPLIT,1305,3,1.5,Graham Avenue,"$73,650"

The following SAS program is submitted using the raw data file as input:

data work.condo_ranch;

      infile 'file-specification' dsd;

      input style $ @;

      if style = 'CONDO' or style = 'RANCH' then

          input sqfeet bedrooms baths street $ price : dollar10.;

run;

How many observations does the WORK.CONDO_RANCH data set contain?

A. 0

B. 3

C. 5

D. 7

Answer: D

39. The following SAS program is submitted:

data work.totalsales;

     set work.monthlysales(keep = year product sales);

    retain monthsales {12} ;

    array monthsales {12} ;

      do i = 1 to 12;

         monthsales{i} = sales;

      end;

   cnt + 1;

   monthsales{cnt} = sales;

run;

The data set named WORK.MONTHLYSALES has one observation per month for each of five years for a total of 60 observations.

Which one of the following is the result of the above program?

A. The program fails execution due to data errors.

B. The program fails execution due to syntax errors.

C. The program runs with warnings and creates the WORK.TOTALSALES data set with 60 observations.

D. The program runs without errors or warnings and creates the WORK.TOTALSALES data set with 60 observations.

Answer: B

40. Which one of the following SAS procedures displays the data portion of a SAS data set?

A. PRINT

B. FSLIST

C. CONTENTS

D. DATASETS

Answer: A

41. The following SAS DATA step is submitted:

data work.accounting;

   set work.department;

   length jobcode $ 12;

run;

The WORK.DEPARTMENT SAS data set contains a character variable named JOBCODE with a length of 5.

Which one of the following is the length of the variable JOBCODE in the output data set?

A. 5

B. 8

C. 12

D. The length can not be determined as the program fails to execute due to errors.

Answer: A

42. The following SAS program is submitted:

data work.january;

      set work.allmonths (keep = product month num_sold cost);

      if month = 'Jan' then output work.january;

      sales = cost * num_sold;

      keep = product sales;

run;

Which variables does the WORK.JANUARY data set contain?

A. PRODUCT and SALES only

B. PRODUCT, MONTH, NUM_SOLD and COST only

C. PRODUCT, SALES, MONTH, NUM_SOLD and COST only

D. An incomplete output data set is created due to syntax errors.

Answer: D

43. Which one of the following SAS system options displays the time on a report?

A. TIME

B. DATE

C. TODAY

D. DATETIME

Answer: B

44. Which one of the following is true of the SUM statement in a SAS DATA step program?

A. It is only valid in conjunction with a SUM function.

B. It is not valid with the SET, MERGE and UPDATE statements.

C. It adds the value of an expression to an accumulator variable and ignores missing values.

D. It does not retain the accumulator variable value from one iteration of the SAS DATA step to the next.

Answer: C

45. The following SAS program is submitted:

proc sort data = sasuser.houses out = houses;

     by style;

run;

proc print data = houses;

      <insert statement(s) here>

run;

Click on the Exhibit button to view the report produced.

Which of the following SAS statement(s) create(s) the report?

style	bedrooms	baths	price
CONDO	2	1.5	80050
	3	2.5	79350
	4	2.5	127150
	2	2.0	110700
RANCH	2	1.0	64000
	3	3.0	86650
	3	1.0	89100
	1	1.0	34550
SPLIT	1	1.0	65850
	4	3.0	94450
	3	1.5	73650
TWOSTORY	4	3.0	107250
	2	1.0	55850
	2	1.0	69250
	4	2.5	102950

A. id style;

B. id style;

var style bedrooms baths price;

C. id style;

by style;

var bedrooms baths price;

D. id style;

by style;

var style bedrooms baths price;

Answer: C

46. Which one of the following SAS statements correctly computes the average of four numerical values?

A. average = mean(num1 - num4);

B. average = mean(of num1 - num4);

C. average = mean(of num1 to num4);

D. average = mean(num1 num2 num3 num4);

Answer: B

47. 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;

      <insert MERGE statement here>

      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

48. The following SAS program is submitted:

data work.pieces;

      do while (n lt 6);

          n + 1; end;

run;

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

A. 4

B. 5

C. 6

D. 7

Answer: C

49. The contents of the SAS data set PERM.JAN_SALES are listed below:

VARIABLE NAME	TYPE
idnum	character variable
sales_date	numeric date value

A comma delimited raw data file needs to be created from the PERM.JAN_SALES data set. The SALES_DATE values need to be in a MMDDYY10 form.

Which one of the following SAS DATA steps correctly creates this raw data file?

A. libname perm 'SAS-data-library';

data _null_;

set perm.jan_sales;

file 'file-specification' dsd = ',';

put idnum sales_date : mmddyy10.;

run;

B. libname perm 'SAS-data-library';

data _null_;

set perm.jan_sales;

file 'file-specification' dlm = ',';

put idnum sales_date : mmddyy10.;

run;

C. libname perm 'SAS-data-library';

data _null_;

set perm.jan_sales;

file 'file-specification';

put idnum sales_date : mmddyy10. dlm = ',';

run;

D. libname perm 'SAS-data-library';

data _null_;

set perm.jan_sales;

file 'file-specification';

put idnum sales_date : mmddyy10. dsd = ',';   put idnum sales_date : mmddyy10. dsd = ',';

run;

Answer: B

50. The contents of the raw data file AMOUNT are listed below:

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

$1,234

The following SAS program is submitted:

data test;

        infile 'amount';

        input @1 salary 6.;

run;

Which one of the following is the value of the SALARY variable?

A. 1234

B. 1,234

C. $1,234

D. . (missing numeric value)

Answer: D

51. The SAS data set SASUSER.HOUSES contains a variable PRICE which has been assigned a permanent label of "Asking Price".

Which one of the following SAS programs 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 label = "Sale Price";

run;

Answer: C

52. The following SAS program is submitted:

data work.accounting;

        set work.dept1 work.dept2;

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.

Which one of the following is the length of the variable JOBCODE in the output data set?

A. 5

B. 7

C. 8

D. 12

Answer: A

53. Which one of the following statements is true regarding the SAS automatic _ERROR_ variable?

A. The _ERROR_ variable contains the values 'ON' or 'OFF'.

B. The _ERROR_ variable contains the values 'TRUE' or 'FALSE'.

C. The _ERROR_ variable is automatically stored in the resulting SAS data set.

D. The _ERROR_ variable can be used in expressions or calculations in the DATA step.

Answer: D

54. The following SAS program is submitted:

data work.sales;

      do year = 1 to 5;

            do month = 1 to 12;

                  x + 1;

       end;

run;

Which one of the following represents how many observations are written to the WORK.SALES data set?

A. 0

B. 1

C. 5

D. 60

Answer: B

55. The SAS data set WORK.AWARDS is listed below:

```
fname     points
Amy           2
Amy           1
Gerard        3
Wang          3
Wang          1
Wang          2
```

The following SAS program is submitted:

proc sort data = work.awards;

      by descending fname points;

run;

Which one of the following represents how the observations are sorted?

A. Wang　　3

Gerard　3

Wang　　2

Amy　　2

Wang　　1

Amy　　1

B. Wang　　3

Wang　　2

Wang　　1

Gerard　3

Amy　　2

Amy　　1

C. Wang　　3

Wang　　1

Wang　　2

Gerard　3

Amy　　2

Amy　　1

D. Wang　　1D.Wang　　1

Wang　　2

Wang　　3

Gerard　3

Amy　　1

Amy　　2

Answer: D

56. The following SAS program is submitted:

proc contents data = sasuser.airplanes;

run;

Which one of the following is produced as output?

A. the data portion of every data set in the SASUSER library

B. the data portion of the data set SASUSER.AIRPLANES only

C. the descriptor portion of every data set in the SASUSER library

D. the descriptor portion of the data set SASUSER.AIRPLANES only

Answer: D

57. The following SAS program is submitted:

data work.company;

    set work.dept1(keep = jobcode)

    work.dept2(rename = (jcode = jobcode));

run;

Which one of the following is the result?

A. The variable JCODE is written to the output data set.

B. The variable JOBCODE is written to the output data set.

C. Neither variable JCODE nor JOBCODE is written to the output data set.

D. The program fails to execute due to errors.

Answer: B

58. The following SAS program is submitted:

data work.test;

    Author = 'Christie, Agatha';

    First = substr(scan(author,2,' ,'),1,1);

run;

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

A. A

B. C

C. Agatha

D. ' ' (missing character value)

Answer: A

59. Which one of the following SAS DATA steps saves the temporary data set named MYDATA as a permanent data set?

A. libname sasdata 'SAS-data-library';

data sasdata.mydata;

copy mydata;

run;

B. libname sasdata 'SAS-data-library';

data sasdata.mydata;

keep mydata;

run;

C. libname sasdata 'SAS-data-library';

data sasdata.mydata;

save mydata;

run;

D. libname sasdata 'SAS-data-library';

data sasdata.mydata;

set mydata;

run;

Answer: D

60. The following SAS program is submitted:

data work.new;

    mon   = 3;

    day   = 23;

    year = 2000;

    date = mdy(mon,day,year);

run;

Which one of the following is the value of the DATE variable?

A. a character string with the value '23mar2000'

B. a character string with the value '03/23/2000'

C. a numeric value of 14692, which represents the SAS date value for March 23, 2000

D. a numeric value of 3232000, which represents the SAS date value for March 23, 2000

Answer: C

61. The following SAS program is submitted:

proc report data = sasuser.houses nowd headline headskip;

    column style price;

    where price < 100000;

    <insert code here>

    title;

run;

Click the Exhibit button to view the output from the REPORT procedure.

Assuming that the PRICE variable is numeric, which one of the following completes the program and produces the output displayed in the exhibit?

Style	Price
RANCH	$64,000
SPLIT	$65,850
CONDO	$80,050
RANCH	$86,650
SPLIT	$94,450
SPLIT	$73,650
CONDO	$79,350
TWOSTORY	$55,850
RANCH	$89,100
TWOSTORY	$69,250
RANCH	$34,550

A. define style / group 'Style';

define price / mean 'Price' format = dollar9.;

B. define style / display 'Style';

define price / across 'Price' format = dollar9.;

C. define style / display 'Style';

define price / sum 'Price' format = dollar9.;

D. define style / order 'Style';

define price / mean 'Price' format = dollar9.;

Answer: C

62. A raw data file is listed below:

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

squash 1.10

apples 2.25

juice   1.69

The following SAS program is submitted using the raw data file above:

data groceries;

      infile 'file-specification';

      input item $ cost;

      <insert statement(s) here>

run;

Which one of the following completes the program and produces a grand total for all COST values?

A. grandtot = sum cost;

B. grandtot = sum(grandtot,cost);

C. retain grandtot 0;

grandtot = sum(grandtot,cost);

D. grandtot = sum(grandtot,cost);

output grandtot;

Answer: C

63. Unless specified, which variables and data values are used to calculate statistics in the MEANS procedure?

A. non-missing numeric variable values only

B. missing numeric variable values and non-missing numeric variable values only

C. non-missing character variables and non-missing numeric variable values only

D. missing character variables, non-missing character variables, missing numeric variable values, and non-missing numeric variable values

Answer: A

6 4. The following SAS program is submitted:

proc print data = sasuser.houses;

run;

<insert OPTIONS statement here>

proc means data = sasuser.shoes;

run;

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

A. options pageno = 1;

B. options pagenum = 1;

C. options reset pageno = 1;

D. options reset pagenum = 1;

Answer: A

65. The contents of the raw data file EMPLOYEE are listed below:

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

Ruth   39 11

Jose   32 22

Sue   30 33

John   40 44

The following SAS program is submitted:

data test;

    infile 'employee';

    input employee_name $ 1-4;

    if employee_name = 'Sue' then input age 7-8;

else input idnum 10-11;

run;

Which one of the following values does the variable AGE contain when the name of the employee is "Sue"?

A. 30

B. 33

C. 40

D. . (missing numeric value)

Answer: C

66. The SAS data set BANKS is listed below:

BANKS

name	rate
FirstCapital	0.0718
DirectBank	0.0721
VirtualDirect	0.0728

The following SAS program is submitted:

data newbank;

    do year = 1 to 3;

        set banks;

        capital + 5000;

    end;

run;

Which one of the following represents how many observations and variables will exist in the SAS data set NEWBANK?

A. 0 observations and 0 variables

B. 1 observations and   4 variables

C. 3 observations and 3 variables

D. 9 observations and 2 variables

Answer: B

67. The following SAS program is submitted:

data work.passengers;

    if OrigPassengers = . then

      OrigPassengers = 100;

    TransPassengers = 100;

    OrigPassengers = .;

NonPaying = 10;

TotalPassengers = sum (OrigPassengers, TransPassengers);

run;

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

A. 100

B. 110

C. 200

D. . (missing numeric value)

Answer: A

68. 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;

      <insert BY statement here>

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

69. The following SAS program is submitted:

data test;

    set sasuser.employees;

    if 2 le years_service le 10 then

        amount = 1000;

    else if years_service gt 10 then

        amount = 2000;

    else

        amount = 0;

amount_per_year = years_service / amount;

run;

Which one of the following values does the variable AMOUNT_PER_YEAR contain if an employee has been with the company for one year?

A. 0

B. 1000

C. 2000

D. . (missing numeric value)

Answer: D

70. Which one of the following is true of the RETAIN statement in a SAS DATA step program?

A. It can be used to assign an initial value to _N_ .

B. It is only valid in conjunction with a SUM function.

C. It has no effect on variables read with the SET, MERGE and UPDATE statements.

D. It adds the value of an expression to an accumulator variable and ignores missing values.

Answer: C

71. The following SAS program is submitted:

libname   rawdata1 'location of SAS data library';

filename rawdata2 'location of raw data file';

data work.testdata;

        infile <insert item here>;

        input sales1 sales2;

run;

Which one of the following is needed to complete the program correctly?

A. rawdata1

B. rawdata2

C. 'rawdata1'

D. 'rawdata2'

Answer: B

72. The following SAS program is submitted:data work.passengers;

data work.passengers;

        if OrigPassengers = . then

            OrigPassengers = 100;

        TransPassengers = 100;

OrigPassengers = .;

NonPaying = 10;

TotalPassengers = OrigPassengers + TransPassengers;

run;

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

A. 100

B. 110

C. 200

D. . (missing numeric value)

Answer: D

73. The SAS data set named COMPANY.PRICES is listed below:

```
COMPANY.PRICES
prodid      price    producttype   sales   returns
K12S        5.10     NETWORK         15        2
B132S       2.34     HARDWARE       300       10
R18KY2      1.29     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:

libname company 'SAS-data-library';

data hware inter soft;

    set company.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. 4

D. 6

Answer: B

74. Click the Exhibit button to view the output of a FREQ procedure.

The variable STYLE has a permanent label of "Style of homes" and the variable BEDROOMS has a

permanent label of "Number of bedrooms".

Which one of the following SAS programs produced the output shown in the exhibit?

```
                        The FREQ Procedure

                        Style of homes

                                     Cumulative    Cumulative
    style      Frequency    Percent   Frequency     Percent

    CONDO          4        26.67         4          26.67
    RANCH          4        26.67         8          53.33
    SPLIT          3        20.00        11          73.33
    TWOSTORY       4        26.67        15         100.00


                       Number of bedrooms

                                     Cumulative    Cumulative
    bedrooms   Frequency    Percent   Frequency     Percent

       1           2        13.33         2          13.33
       2           5        33.33         7          46.67
       3           4        26.67        11          73.33
       4           4        26.67        15         100.00
```

A. proc freq data = sasuser.houses;

tables style and bedrooms;

run;

B. proc freq data = sasuser.houses;

tables style * bedrooms;

run;

C. proc freq data = sasuser.houses;

tables style , bedrooms;

run;

D. proc freq data = sasuser.houses;

tables style;

tables bedrooms;

run;

Answer: D

75. The contents of the raw data file EMPLOYEE are listed below:

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

Ruth   39 11

Jose   32 22

Sue   30 33

John   40 44

The following SAS program is submitted:

data test;

      infile 'employee';

      input employee_name $ 1-4;

      if employee_name = 'Ruth' then input idnum 10-11;

      else input age 7-8;

run;

Which one of the following values does the variable IDNUM contain when the name of the employee is "Ruth"?

A. 11

B. 22

C. 32

D. . (missing numeric value)

Answer: B

76. The following SAS program is submitted and reads 100 records from a raw data file:

data work.total;

      infile 'file-specification' end = eof;

      input name $ salary;

      totsal + salary;

      <insert IF statement here>

run;

Which one of the following IF statements writes the last observation to the output data set?

A. if end = 0;

B. if eof = 0;

C. if end = 1;

D. if eof = 1;

Answer: D

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

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?

Obs	name	level
1	Frank	1
2	Joan	2
3	Sui	2
4	Jose	3
5	Burt	4
6	Kelly	.
7	Juan	1

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

78. A raw data file is listed below:

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

1901 2

1905 1

1910 6

1925 .

1941 1

The following SAS program is submitted and references the raw data file above:

data coins;

      infile 'file-specification';

      input year quantity;

      <insert statement(s) here>

run;

Which one of the following completes the program and produces a non-missing value for the variable

TOTQUANTITY in the last observation of the output data set?

A. totquantity + quantity;

B. totquantity = sum(totquantity + quantity);

C. totquantity 0;

sum totquantity;

D. retain totquantity 0;

totquantity = totquantity + quantity;

Answer: A

79. 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;

        <insert BY statement here>

run;

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

A. by Expenses IDNumber;

B. by IDNumber Expenses;

C. by ascending (IDNumber Expenses);

D. by ascending IDNumber ascending Expenses;

Answer: B

80. The contents of the raw data file TEAM are listed below:

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

Janice   10

Henri   11

Michael   11

Susan   12

The following SAS program is submitted:

data group;

        infile 'team';

        input name $15. age 2.;

        file 'file-specification';

        put name $15. +5 age 2.;

run;

Which one of the following describes the output created?

A. a raw data file only

B. a SAS data set named GROUP only

C. a SAS data set named GROUP and a raw data file

D. No output is generated as the program fails to execute due to errors.

Answer: C

81. 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';   airplanetype = 'Small';

staff = 5;

end;

run;

D. data work.test;D.data work.test;

capacity = 150;

if 100 le capacity le 200 then;

airplanetype = 'Small';   airplanetype = 'Small';

staff = 5;

else;

airplanetype = 'Large';   airplanetype = 'Large';

staff = 10;

run;

Answer: B

82. The contents of the raw data file AMOUNT are listed below:

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

$1,234

The following SAS program is submitted:

data test;

      infile 'amount';

      input @1 salary 6.;

      if _error_ then description = 'Problems';

      else description = 'No Problems';

run;

Which one of the following is the value of the DESCRIPTION variable?

A. Problems

B. No Problems

C. ' '   (missing character value)

D. The value can not be determined as the program fails to execute due to errors.

Answer: A

83. The following SAS program is submitted:

data work.month; d

ate = input('13mar2000',date9.);

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, 9 bytes

C. character, 8 bytes

D. character, 9 bytes

Answer: A

84. The following SAS program is submitted:

data work.clients;

    calls = 6;

    do while (calls le 6);

        calls + 1;

    end;

run;

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

A. 4

B. 5

C. 6

D. 7

Answer: D

85. 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 named WORK.SALARY contains 10 observations for each department, currently ordered by DEPARTMENT.

Which one of the following is true regarding the program above?

A. The BY statement in the DATA step causes a syntax error.

B. FIRST.DEPARTMENT and LAST.DEPARTMENT are variables in the WORK.TOTAL data set.

C. The values of the variable PAYROLL represent the total for each department in the WORK.SALARY data set.

D. The values of the variable PAYROLL represent a total for all values of WAGERATE in the WORK.SALARY data set.

Answer: C

86. Which one of the following SAS system options prevents the page number from appearing on a report?

A. NONUM

B. NOPAGE

C. NONUMBER

D. NOPAGENUM

Answer: C

87. The following SAS program is submitted:

<insert ODS statement here>

proc means data = sasuser.shoes;

      where product in ('Sandal' , 'Slipper' , 'Boot');

run;

Which one of the following ODS statements completes the program and sends the report to an HTML file?

A. ods html = 'sales.html';

B. ods file = 'sales.html';

C. ods file html = 'sales.html';

D. ods html file = 'sales.html';

Answer: D

88. The following SAS DATA step executes on Monday, April 25, 2000:

data newstaff;

      set staff;

      start_date = today();

run;

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

A. a character string with the value '04/25/2000'

B. a character string with the value 'Monday, April 25, 2000'

C. the numeric value 14725, representing the SAS date for April 25, 2000

D. the numeric value 04252000, representing the SAS date for April 25, 2000

Answer: C

89. The value 110700 is stored in a numeric variable.

Which one of the following SAS formats is used to display the value as $110,700.00 in a report?

A. comma8.2

B. comma11.2

C. dollar8.2

D. dollar11.2

Answer: D

90. A raw data record is listed below:

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

on,Travis,

The following output is desired:

relation	firstname
son	Travis

Which one of the following SAS programs reads the data correctly?

A. data family / dlm = ',';

infile 'file-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 $ / dlm = ',';

run;

Answer: C

91. A realtor has two customers. One customer wants to view a list of homes selling for less than $60,000.   The other customer wants to view a list of homes selling for greater than $100,000.

Assuming the PRICE variable is numeric, which one of the following PRINT procedure steps will select all

desired observations?

A. proc print data = sasuser.houses;

where price lt 60000;

where price gt 100000;

run;

B. proc print data = sasuser.houses;

where price lt 60000 or price gt 100000;

run;

C. proc print data = sasuser.houses;

where price lt 60000 and price gt 100000;

run;

D. proc print data = sasuser.houses;

where price lt 60000 or where price gt 100000;

run;

Answer: B

92. 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;

Which one of the following statements explains why the program failed execution?

A. The SORT procedures contain invalid syntax.

B. The merged data sets are not permanent SAS data sets.

C. The data sets were not merged in the order by which they were sorted.

D. The RUN statements were omitted after each of the SORT procedures.

Answer: C

93. The following SAS program is submitted:

data _null_;

      set old;

put sales1 sales2;

run;

Where is the output written?

A. the SAS log

B. the raw data file that was opened last

C. the SAS output window or an output file

D. the data set mentioned in the DATA statement

Answer: A

94. The following SAS program is submitted:

proc freq data = sales;

       <insert TABLES statement here>

run;

Click the Exhibit button to view the output from the FREQ procedure.

Which one of the following statements completes the program and produces the output?

The FREQ Procedure

Table of Region by Product

Region	Product			
Frequency Percent Row Pct Col Pct	Boot	Sandal	Slipper	Total
Africa	8 12.70 33.33 38.10	8 12.70 33.33 38.10	8 12.70 33.33 38.10	24 38.10
Asia	2 3.17 33.33 9.52	2 3.17 33.33 9.52	2 3.17 33.33 9.52	6 9.52
Canada	5 7.94 33.33 23.81	5 7.94 33.33 23.81	5 7.94 33.33 23.81	15 23.81
Pacific	6 9.52 33.33 28.57	6 9.52 33.33 28.57	6 9.52 33.33 28.57	18 28.57
Total	21 33.33	21 33.33	21 33.33	63 100.00

A. tables region product;

B. tables region * product;

C. tables product region;

D. tables product * region;

Answer: B

95. The following SAS program is submitted:

data work.products;

     Product_Number = 5461;

     Item = '1001';

     Item_Reference = Item||'/'||Product_Number;

run;

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

A. 1001/5461

B. 1001/   5461

C. . (missing numeric value)

D. The value can not be determined as the program fails to execute due to errors.

Answer: B

96. 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 one of the following contains the footnote text that is 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

97. The following SAS SORT procedure step generates an output data set:

proc sort data = sasuser.houses out = report;

      by style;

run;

In which library is the output data set stored?

A. WORK

B. REPORT

C. HOUSES

D. SASUSER

Answer: A

98. Click the Exhibit button to view two reports. Assume permanent variable labels have been assigned.

The following SAS program is submitted and produces the first report:

proc report data = sasuser.shoes nowd;

      column region subsidiary sales;

      define subsidiary / display;

      define region / group;

      define sales / sum;

run;

Which one of the following corrects the program above to produce the second report shown in the exhibit?

```
                  Output we are getting

     Region                  Subsidiary      Total Sales
     Asia                    Bangkok             $1,996
                             Bangkok             $3,033
                             Bangkok             $3,230
                             Bangkok             $3,019
                             Bangkok             $5,389
                             Seoul              $60,712
                             Seoul              $11,754
                             Seoul             $116,333
                             Seoul               $4,978
                             Seoul             $149,013
                             Seoul                 $937
                             Seoul              $20,448
                             Seoul              $78,234
                             Tokyo               $1,155

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

                   Output we want!

     Region                  Subsidiary      Total Sales
     Asia                    Bangkok            $16,667
                             Seoul             $442,409
                             Tokyo               $1,155
```

A. Define the variable SUBSIDIARY with a SUM usage.

B. Define the variable SUBSIDIARY with a GROUP usage.

C. Define the variable SUBSIDIARY with an ORDER usage.

D. Define the variable SUBSIDIARY with an ACROSS usage.

Answer: B

99. The following SAS program is submitted:

data work.sets;

   do until (prod gt 6);

      prod + 1;

   end;

run;

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

A. 5

B. 6

C. 7

D. 8

Answer: C

100. Which one of the following ODS statement options terminates output being written to an HTML file?

A. END

B. QUIT

C. STOP

D. CLOSE

Answer: D

101. The following SAS program is submitted:

proc datasets lib = sasuser;

         contents data = class varnum;

quit;

Which one of the following is the purpose of the VARNUM option?

A. to print a list of variable names

B. to print the total number of variables

C. to print a list of the variables in alphabetic order

D. to print a list of the variables in the order they were created

Answer: D

102. The contents of the SAS data set named PERM.STUDENTS are listed below:

```
name         age
Alfred        14
Alice         13
Barbara       13
Carol         14
```

The following SAS program is submitted using the PERM.STUDENTS data set as input:

libname perm 'SAS-data-library';

data students;

      set perm.students;

      file 'file-specification';

      put name $15. @5 age 2.;

run;

Which one of the following represents the values written to the output raw data file?

A. ----|----10---|----20---|----30

Alfred   14

Alice   13

Barbara   13

Carol   14

B. ----|----10---|----20---|----30

Alfr14

Alic13

Barb13a

Caro14

C. ----|----10---|----20---|----30

Alfr14ed

Alic13e

Barb13ara

Caro14l

D. ----|----10---|----20---|----30D.----|----10---|----20---|----30

Alfred   14

Alice   13

Barbara   13

Carol   14

Answer: B

103. The following SAS program is submitted:

libname sasdata 'SAS-data-library';

data test;

    set sasdata.chemists;

    if jobcode = 'Chem2'

       then description = 'Senior Chemist';

    else description = 'Unknown';

run;

A value for the variable JOBCODE is listed below:

JOBCODE

chem2

Which one of the following values does the variable DESCRIPTION contain?

A. Chem2

B. Unknown

C. Senior Chemist

D. ' '   (missing character value)

Answer: B

104. A SAS program is submitted and the following SAS log is produced:

 2   data gt100;

 3   set ia.airplanes

 4   if mpg gt 100 then output;

                      22   202

ERROR: File WORK.IF.DATA does not exist.

ERROR: File WORK.MPG.DATA does not exist.

ERROR: File WORK.GT.DATA does not exist.

ERROR: File WORK.THEN.DATA does not exist.

ERROR: File WORK.OUTPUT.DATA does not exist.

ERROR 22-322: Syntax error, expecting one of the following: a name, a quoted string, (, ;, END, KEY, KEYS, NOBS, OPEN, POINT, _DATA_, _LAST_, _NULL_.

ERROR 202-322: The option or parameter is not recognized and will be   ignored.

5   run;

The IA libref was previously assigned in this SAS session.

Which one of the following corrects the errors in the LOG?

A. Delete the word THEN on the IF statement.

B. Add a semicolon at the end of the SET statement.

C. Place quotes around the value on the IF statement.

D. Add an END statement   to conclude the IF statement.

Answer: B

105. The contents of the raw data file PRODUCT are listed below:

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

24613 $25.31

The following SAS program is submitted:

data inventory;

     infile 'product';

     input idnum 5. @10 price;

run;

Which one of the following is the value of the PRICE variable?

A. 25.31

B. $25.31

C. . (missing numeric value)

D. No value is stored as the program fails to execute due to errors.

Answer: C

106. The following SAS program is submitted:

data revenue;

     set year_1;

     var1 = mdy(1,15,1960);

run;

Which one of the following values does the variable named VAR1 contain?

A. 14

B. 15

C. 1151960

D. '1/15/1960'

Answer: A

107. A raw data file is listed below:

RANCH,1250,2,1,Sheppard Avenue,"$64,000"

SPLIT,1190,1,1,Rand Street,"$65,850"

CONDO,1400,2,1.5,Market Street,"80,050"

TWOSTORY,1810,4,3,Garris Street,"$107,250"

RANCH,1500,3,3,Kemble Avenue,"$86,650"

SPLIT,1615,4,3,West Drive,"94,450"

SPLIT,1305,3,1.5,Graham Avenue,"$73,650"

The following SAS program is submitted using the raw data file as input:

data work.condo_ranch;

     infile 'file-specification' dsd;

     input style $ @;

     if style = 'CONDO' or style = 'RANCH';

    input sqfeet bedrooms baths street $ price : dollar10.;

run;

How many observations will the output data set contain?

A. 0

B. 3

C. 5

D. 7

Answer: B

108. 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 WORK.PEOPLE has 5 observations, and the data set WORK.MONEY has 7 observations. How many observations will the data set WORK.EMPSALARY contain?

A. 0

B. 5

C. 7

D. 12

Answer: A

109. A raw data record is listed below:

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

1999/10/25

The following SAS program is submitted:

data projectduration;

    infile 'file-specification';

input date $ 1 - 10;

<insert statement here>

run;

Which one of the following statements completes the program above and computes the duration of the project in days as of today's date?

A. duration = today( ) - put(date,ddmmyy10.);

B. duration = today( ) - put(date,yymmdd10.);

C. duration = today( ) - input(date,ddmmyy10.);

D. duration = today( ) - input(date,yymmdd10.);

Answer: D

110. In the following SAS program, the input data files are sorted by the NAMES variable:

libname temp 'SAS-data-library';

data temp.sales;

merge temp.sales

work.receipt;

by names;

run;

Which one of the following results occurs when this program is submitted?

A. The program executes successfully and a temporary SAS data set is created.

B. The program executes successfully and a permanent SAS data set is created.

C. The program fails execution because the same SAS data set is referenced for both read and write operations.

D. The program fails execution because the SAS data sets on the MERGE statement are in two different libraries.

Answer: B

111. When the following SAS program is submitted, the data set SASDATA.PRDSALES contains 5000 observations:

libname sasdata 'SAS-data-library';

options obs = 500;

proc print data = sasdata.prdsales (firstobs = 100);

run;

options obs = max;

proc means data = sasdata.prdsales (firstobs = 500);

run;

How many observations are processed by each procedure?

A. 400 for PROC PRINT

4500 for PROC MEANS

B. 401   for PROC PRINT

4501 for PROC MEANS

C. 401 for PROC PRINT

4500 for PROC MEANS

D. 500 for PROC PRINT

5000 for PROC MEANS

Answer: B

112. The following SAS program is submitted:

data work.test;

     First = 'Ipswich, England';

     City_Country = substr(First,1,7)!!', '!!'England';

  run;

Which one of the following is the length of the variable CITY_COUNTRY in the output data set?

A. 6

B. 7

C. 17

D. 25

Answer: D

113. The following SAS program is submitted:

data work.january;

      set work.allmonths (keep = product month num_sold cost);

      if month = 'Jan' then output work.january;

      sales = cost * num_sold;

      keep = product sales;

run;

Which variables does the WORK.JANUARY data set contain?

A. PRODUCT and SALES only

B. PRODUCT, MONTH, NUM_SOLD and COST only

C. PRODUCT, SALES, MONTH, NUM_SOLD and COST only

D. An incomplete output data set is created due to syntax errors.

Answer: D

114. On which portion(s) of a SAS data set does the PRINT procedure report?

A. the data portion only

B. the descriptor portion only

C. the descriptor portion and the data portion

D. neither the data portion nor the descriptor portion

Answer: A

115. The following SAS program is submitted:

data numrecords;

  infile 'file-specification';

  input @1 patient $15.

     relative $ 16-26 @;

  if relative = 'children' then

   input @54 diagnosis $15. @;

  else if relative = 'parents' then

    input @28 doctor $15.

      clinic $ 44-53

      @54 diagnosis $15. @;

   input age;

run;

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

A. 1

B. 2

C. 3

D. 4

Answer: A

116. The following SAS program is submitted:

data stats;

  set revenue;

  array weekly{5} mon tue wed thu fri;

  <insert DO statement here>

    total = weekly{i}   * .25;

    output;

  end;

run;

Which one of the following DO statements completes the program and processes the elements of the WEEKLY array?

A. do i = 1 to 5;

B. do weekly{i} = 1 to 5;

C. do i = mon tue wed thu fri;

D. A DO loop cannot be used because the variables referenced do not end in a digit.

Answer: A

117. The following SAS program is submitted:

data work.flights;

    destination = 'cph';

    select(destination);

        when('LHR') city = 'London';

        when('CPH') city = 'Copenhagen';

      otherwise city = 'Other';

    end;

run;

Which one of the following is the value of the CITY variable?

A. Other

B. Copenh

C. Copenhagen

D. ' ' (missing character value)

Answer: A

118. The following SAS program is submitted:

proc report data = work.houses nowd;

    column style price;

    where price < 100000;

    <insert DEFINE statements here>

    title;

run;

Click the Exhibit button to view the output from the REPORT procedure.

Assume permanent variable labels have been assigned. Which one of the following completes the program and produces the output displayed in the exhibit?

style	price
CONDO	80,050
	79,350
RANCH	64,000
	86,650
	89,100
	34,550
SPLIT	65,850
	94,450
	73,650
TWOSTORY	55,850
	69,250

A. define style / display width = 9;

define price / sum format = comma9. width = 10;

B. define style / width = 9;

define price / sum format = comma9. width = 10;

C. define style / group width = 9;

define price / sum format = comma9. width = 10;

D. define style / order width = 9;

define price / sum format = comma9. width = 10;

Answer: D

119. The following SAS DATA step is submitted:

data sasdata.atlanta

       sasdata.boston

       work.portland

       work.phoenix;

  set company.prdsales;

  if region = 'NE' then output boston;

  if region = 'SE' then output atlanta;

  if region = 'SW' then output phoenix;

  if region = 'NW' then output portland;

run;

Which one of the following is true regarding the output data sets?

A. No library references are required.

B. The data sets listed on all the IF statements require a library reference.

C. The data sets listed in the last two IF statements require a library reference.

D. The data sets listed in the first two IF statements require a library reference.

Answer: D

120. Which one of the following SAS statements renames two variables?

A. set work.dept1

work.dept2(rename = (jcode = jobcode)

(sal = salary));

B. set work.dept1

work.dept2(rename = (jcode = jobcode

sal = salary));

C. set work.dept1

work.dept2(rename = jcode = jobcode

sal = salary);

D. set work.dept1

work.dept2(rename = (jcode jobcode)

(sal salary));

Answer: B

121. 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;

run;

The data set named WORK.MONTHLYSALES has one observation per month for each of five years for a total of 60 observations.

Which one of the following is the result of the above program?

A. The program fails execution due to data errors.

B. The program fails execution due to syntax errors.

C. The program executes with warnings and creates the WORK.TOTALSALES data set.

D. The program executes without errors or warnings and creates the WORK.TOTALSALES data set.

Answer: B

122. The following SAS program is submitted:

libname temp 'SAS-data-library';

data work.new;

      set temp.jobs;

```
        format newdate mmddyy10.;

        qdate = qtr(newdate);

        ddate = weekday(newdate);

run;

proc print data = work.new;

run;
```

The variable NEWDATE contains the SAS date value for April 15, 2000.

What output is produced if April 15, 2000 falls on a Saturday?

A. Obs   newdate   qdate   ddate

1   APR152000   2   6

B. Obs   newdate   qdate   ddate

1   04/15/2000   2   6

C. Obs   newdate   qdate   ddate

1   APR152000   2   7

D. Obs   newdate   qdate   ddate

1   04/15/2000   2   7

Answer: D

123. The following SAS program is submitted:

```
data work.test;

        Title = 'A Tale of Two Cities, Charles J. Dickens';

        Word = scan(title,3,' ,');

run;
```

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

A. T

B. of

C. Dickens

D. ' ' (missing character value)

Answer: B

124. The following SAS program is submitted:

```
options pageno = 1;

proc print data = sasuser.houses;

run;

proc means data = sasuser.shoes;

run;
```

The report created by the PRINT procedure step generates 5 pages of output. What is the page number on the first page of the report generated by the MEANS procedure step?

A. 1

B. 2

C. 5

D. 6

Answer: D

125. The following SAS program is submitted:

data work.one;

    x = 3;

    y = 2;

    z = x ** y;

run;

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

A. 6

B. 9

C. . (missing numeric value)

D. The program fails to execute due to errors.

Answer: B

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

The following SAS program is submitted:

data work.empdata;

    merge work.employee

            work.salary;

    by fname;

    totsal + salary;

run;

How many variables are output to the WORK.EMPDATA data set?

WORK.EMPLOYEE		WORK.SALARY	
fname	age	fname	salary
Bruce	30	Bruce	25000
Dan	40	Bruce	35000
		Dan	25000

A. 3

B. 4

C. 5

D. No variables are output to the data set as the program fails to execute due to errors.

Answer: B

127. The following SAS program is submitted:

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?

A. FA

B. FA1

C. FA 1

D. ' ' (missing character value)

Answer: A

128. The SAS data set BANKS is listed below:

BANKS

name	rate
FirstCapital	0.0718
DirectBank	0.0721
VirtualDirect	0.0728

The following SAS program is submitted:

data newbank;

    do year = 1 to 3;

        set banks;

        capital + 5000;

    end;

run;

Which one of the following represents how many observations and variables will exist in the SAS data set

NEWBANK?

A. 0 observations and 0 variables

B. 1 observations and   4 variables

C. 3 observations and 3 variables

D. 9 observations and 2 variables

Answer: B

129. The contents of the raw data file NAMENUM are listed below:

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

  Joe xx

The following SAS program is submitted:

data test;

      infile 'namenum';

      input name $ number;

run;

Which one of the following is the value of the NUMBER variable?

A. xx

B. Joe

C. . (missing numeric value)

D. The value can not be determined as the program fails to execute due to errors.

Answer: C

130. The following SAS program is submitted:

libname sasdata 'SAS-data-library';

data test;

    set sasdata.chemists (keep = job_code);

    if job_code = 'chem3'

        then description = 'Senior Chemist';

run;

The variable JOB_CODE is a character variable with a length of 6 bytes.

Which one of the following is the length of the variable DESCRIPTION in the output data set?

A. 6 bytes

B. 8 bytes

C. 14 bytes

D. 200 bytes

Answer: C

131. The following SAS program is submitted:

data work.test;

    set work.staff (keep = jansales febsales marsales);

    array diff_sales{3} difsales1 - difsales3;

    array monthly{3} jansales febsales marsales;

run;

Which one of the following represents the new variables that are created?

A. JANSALES, FEBSALES and MARSALES

B. MONTHLY1, MONTHLY2 and MONTHLY3

C. DIFSALES1, DIFSALES2 and DIFSALES3

D. DIFF_SALES1, DIFF_SALES2 and DIFF_SALES3

Answer: C

132. The following SAS program is submitted:

data work.accounting;

        set work.dept1 work.dept2;

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.

Which one of the following is the length of the variable JOBCODE in the output data set?

A. 5

B. 7

C. 8

D. 12

Answer: A

133. The SASDATA.BANKS data set has five observations when the following SAS program is submitted:

libname sasdata 'SAS-data-library';

data allobs;

     set sasdata.banks;

      capital=0;

      do year = 2000 to 2020 by 5;

            capital + ((capital+2000) * rate);

            output;

      end;

run;

How many observations will the ALLOBS data set contain?

A. 5

B. 15

C. 20

D. 25

Answer: D

134. The following SAS program is submitted:

data work.test;

      Author = 'Agatha Christie';

      First = substr(scan(author,1,' ,'),1,1);

run;

Which one of the following is the length of the variable FIRST in the output data set?

A. 1

B. 6

C. 15

D. 200

Answer: D

135. The following SAS program is submitted: l

ibname company 'SAS-data-library';

proc sort data = company.payroll;

     by EmployeeIDNumber;

run;

Write access has been granted to the COMPANY library.

Which one of the following represents how the observations are sorted?

A. COMPANY.PAYROLL is recreated in sorted order by EmployeeIDNumber.

B. COMPANY.PAYROLL is stored in original order, and a new data set PAYROLL is created in sorted order by EmployeeIDNumber.

C. COMPANY.PAYROLL is stored in original order, and a new data set COMPANY.PAYROLLSORTED is created in sorted order by EmployeeIDNumber.

D. COMPANY.PAYROLL is recreated in sorted order by EmployeeIDNumber, and a new data set PAYROLL is created in sorted order by EmployeeIDNumber.

Answer: A

136. The SAS data set QTR1_REVENUE is listed below:

destination	revenue
YYZ	53634
FRA	62129
FRA	75962
RDU	76254
YYZ	82174

The following SAS program is submitted:

proc sort data = qtr1_revenue;

> by destination descending revenue;

run;

Which one of the following represents the first observation in the output data set?

○ A.	destination	revenue
	YYZ	82174
○ B.	destination	revenue
	YYZ	53634
○ C.	destination	revenue
	FRA	62129
○ D.	destination	revenue
	FRA	75962

Answer: D

137.he following SAS program is submitted:

data work.new;

> length word $7;

> amount = 4;

> if amount = 4 then word = 'FOUR';

> else if amount = 7 then word = 'SEVEN';

> else word = 'NONE!!!';

> amount = 7;

run;

Which one of the following represents the values of the AMOUNT and WORD variables?

○ A.	amount	word
	7	FOUR
○ B.	amount	word
	7	SEVEN
○ C.	amount	word
	4	FOUR
○ D.	amount	word
	4	' ' (missing character value)

Answer: A

138.he contents of the raw data file TYPECOLOR are listed below:

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

daisyyellow

The following SAS program is submitted:

data flowers;

    infile 'typecolor';

    input type $ 1-5 +1 color $;

run;

Which one of the following represents the values of the variables TYPE and COLOR?

```
O A.    type            color
        daisy           yellow

O B.    type            color
        daisy           ellow

O C.    type            color
        daisyyellow   (missing character value)

O D.    No values are stored as the program fails to execute due to syntax errors.
```

Answer: B

139.The contents of the raw data file TYPECOLOR are listed below:

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

daisyyellow

The following SAS program is submitted:

data flowers;

    infile 'typecolor';

    input type $ 1-5 +1 color $;

run;

Which one of the following represents the values of the variables TYPE and COLOR?

```
O A.    type            color
        daisy           yellow

O B.    type            color
        daisy           ellow

O C.    type            color
        daisyyellow   (missing character value)

O D.    No values are stored as the program fails to execute due to syntax errors.
```

Answer: B

140.The following SAS program is submitted:

data work.new;

    length word $7;

    amount = 7;

if amount = 5 then word = 'CAT';

else if amount = 7 then word = 'DOG';

else word = 'NONE!!!';

amount = 5;

run;

Which one of the following represents the values of the AMOUNT and WORD variables?</t>

A.

amount	word
5	DOG

B.

amount	word
5	CAT

C.

amount	word
7	DOG

D.

amount	word
7	' ' (missing character value)

Answer: A