

Base SAS Exercise Questions

1. What is the name of the input data set in the program below?

```
data work.us;  
set orion.sales;  
where Country='US';  
run;
```

- A. work.us
- B. orion.sales
- C. country
- D. sales

2. The data set orion.sales contains nine variables. Given this DATA step, how many variables does the descriptor portion of work.comp contain?

```
data work.comp;  
    set orion.sales;  
    drop Gender Salary Birth_Date;  
run;
```

- A. Six
- B. Seven
- C. Nine

3. Which procedure can be used to view the permanent labels and formats stored in a data set?

- A. PROC PRINT
- B. PROC FORMAT
- C. PROC CONTENTS
- D. PROC UNIVARIATE

4. Which of the following determines the length of a new variable at compile time?

- A. Input Statement
- B. Assignment Statement
- C. Length Statement
- D. All of the above

5. Which of the following are correct PROC statements?

- A. PROC contents
- B. PROC means
- C. PROC freq
- D. All of the above

6. Which of the following keywords is used to define the variables in SAS Dataset?

- A. Assign
- B. Create
- C. Input
- D. Data

7. The following SAS program is submitted:

```
libname rawdata1 'location of SAS data library';  
filename rawdata2 'location of raw data file';  
data work.testdata;  
infile  
input sales1 sales2;  
run;
```

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

- A. rawdata1
- B. rawdata2
- C. 'rawdata1'
- D. 'rawdata2'

8. How many of the following statistics that PROC MEANS computes as default statistics?

- Standard deviation
 - Range
 - Count
 - Minimum value
 - Variance
 - Mode
- A. 2
 - B. 3
 - C. 4
 - D. None of the above

9. You have executed following SAS DATA step as on Monday, April 01, 2000:

```
data joiners;  
set joinee;  
join_date = today();  
run;
```

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

- A. This will be a character string with the value '04/01/2000'
- B. This will be a character string with the value 'Monday, April 01, 2000'
- C. This will be a numeric value 14701, representing the SAS date for April 01, 2000
- D. This will be a numeric value 04252000, representing the SAS date for April 01, 2000

10. You have submitted the SAS DATA step as below:

```
libname temp 'SAS-data-library';  
data temp.employee;  
set sasuser.employer;  
totalsal = 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.

11. You have submitted the following SAS SORT procedure step generates an output data set.

```
proc sort data = sasuser.employer out = employee;  
by style;  
run;
```

In which library is the output data set stored?

- A. WORK
- B. REPORT
- C. HOUSES
- D. SASUSER

12. Which of the following statements are used to read delimited raw data file and create an SAS data set?

- A. DATA and SET
- B. DATA, SET and INFILE
- C. DATA, SET and INPUT
- D. DATA, INFILE and INPUT

13. Which of the following is a valid name for a character format?

- A. Country
- B. \$ctry
- C. \$country
- D. _country

14. Which of the following steps is typically used to generate reports and graphs?

- A. Proc
- B. Data
- C. Report
- D. Run

15. What result would you expect from submitting this step?

```
proc print data=work.newsalesemps  
run;
```

- A. An HTML report of the work.newsalesemps data set
- B. An error message in the log
- C. LISTING report of the work.newsalesemps data set
- D. The creation of a temporary data set called work.newsalesemps

16. What happens if you submit the following program?

```
porc print data=work.newsalesemps;  
run;
```

- A. SAS does not execute the step.
- B. It displays an error message
- C. It displays no error
- D. SAS assumes that the keyword PROC is misspelled and executes the PROC PRINT step.

17. Which of the following librefs is valid?

- A. Orionstar
- B. orion/01
- C. or_01
- D. 1_or_a

18. 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));

19. 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. ddmmyyyy9.

20. What does data _null_ mean?
data _null_ ;

This statement produces:

- A. no SAS dataset
- B. a SAS dataset named null
- C. a SAS dataset named _null_
- D. the largest possible dataset

21. 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.

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.

23. 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.

24. 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.

25. Which of the following is not an error identified during the compilation phase?

- A. Quotation marks are unbalanced
- B. No RUN statement in the step
- C. An option is invalid
- D. Semicolons are missing in statements

26. Given the following SAS error log

```
44 data WORK.OUTPUT;
45 set SASHELP.CLASS;
46 BMI=(Weight*703)/Height**2;
47 where bmi ge 20;
ERROR: Variable bmi is not on file
SASHELP.CLASS.
48 run;
```

Which of the following step, you will take to correct it?

- A. Replace the WHERE statement with an IF statement
- B. Change the ** in the BMI formula to a single *
- C. Change bmi to BMI in the WHERE statement

27. A HTML file consists of a SAS report. Select one of the given ODS statement options that can be used for specifying the HTML file name?

- A. HTMLFILE=
- B. FILE=
- C. HTML=
- D. OUT=

28. A report of SAS presently follows over two pages as it is big for the dimension of the specified display. Answer one of the following options give below that what action will be used for changing the dimension of the display in order to fit the report on the page?

- A. Increasing the LINENO option value
- B. Increase the PAGESIZE option value
- C. Decrease LINESIZE option value
- D. Decrease the PAGENO option value

Question Context Q29 – Q30.

Below are the two tables:

Employee

name	age
Ankit	25
Faizan	24
Kunal	31
Sunil	30

Salary

name	salary
Kunal	60000
Kunal	55000
Sunil	37000
Sunil	34000

29. How many variables would be in table "AV" after executing the below SAS program?

```
data AV;  
  merge Employee Salary;  
  by name;  
  totalsal + salary;  
run;
```

- A. 3
- B. 4
- C. 5

30. After executing below SAS program, how many observations would be AV dataset?

```
data AV;  
  merge employee (in=ine) salary(in=ins);  
  by name;  
run;
```

- A. 4
- B. 2
- C. 1
- D. 6