

Congratulations! You passed!

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1. How many steps does this program contain?

1 / 1 point

```
1 data national;  
2     set sashelp.baseball;  
3     BatAvg=nHits/nAtBat;  
4 run;  
5  
6 proc contents data=national;  
7 run;  
8  
9 proc print data=national;  
10 run;  
11  
12 proc means data=national;  
13     var BatAvg;  
14 run;
```

- ☐ eight
- ☐ two
- ☒ four
- ☐ one



Correct

There is one DATA step and three PROC steps for a total of four steps. RUN, QUIT, DATA, and PROC statements function as step boundaries, which determine when SAS statements take effect and indicate the end of the current step or the beginning of a new step.

2. Running a SAS program can create which of the following? Select all that apply.

1 / 1 point

☒ log

✓ **Correct**

Running a SAS program always produces a log.

Review **Demo: Programming with SAS Studio**.

☒ output data

✓ **Correct**

If your code creates output data, then running it will create data.

Review **Demo: Programming with SAS Studio**.

☒ results

✓ **Correct**

If your code creates results, then running it will produce results.

Review **Demo: Programming with SAS Studio**.

3. Which of the following is a SAS syntax requirement?

1 / 1 point

- ☐ Put only one statement on each line
- ☒ End each statement with a semicolon.
- ☐ Separate each step with a line space.
- ☐ Begin each statement in column one.

✓ **Correct**

Each statement in SAS ends in a semicolon.

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

1 / 1 point

- ☐ DATA
- ☒ PROC
- ☐ REPORT

☐ RUN

✓ **Correct**

PROC steps are typically used to process SAS data sets (that is, generate reports, graphs, and statistics).

5. Does this comment contain syntax errors?

1 / 1 point

```
1  /*
2  Report created for budget
3  presentation; revised October 15.
4  */
5  proc print data=work.newloan;
6  run;
7
```

- ☐ Yes. Every comment line must end with a semicolon.
- ☒ No. The comment is correctly specified.
- ☐ Yes. There is a semicolon in the middle of the comment.
- ☐ Yes. The comment is on more than one line.

✓ **Correct**

A block comment can contain semicolons and unbalanced quotation marks, can appear anywhere, and doesn't need a semicolon at the end.

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

1 / 1 point

```
1  proc print data=work.newsalesemps
2  run;
3
```

- ☐ a report of the **work.newsalesemps** data set
- ☒ an error message in the log
- ☐ an output table named **work.newsalesemps**

✓ **Correct**

There is a missing semicolon following the data set name. When this step runs, SAS interprets the word **run** as an option in the PROC PRINT statement (because of the missing semicolon). As a result, the PROC PRINT step will not execute and an error message will be displayed in the log.

7. What happens if you submit the following program?

1 / 1 point

```
1  porc print data=work.newsalesemps;  
2  run;  
3
```

- ☐ SAS does not execute the step.
- ☒ SAS assumes that PROC is misspelled and executes the step.

✓ **Correct**

The log indicates that SAS assumed that the keyword PROC was misspelled, corrected it temporarily, and executed the PROC step.

8. This program contains a syntax error because **National** is in different cases.

1 / 1 point

```
1  data national;  
2      set sashelp.baseball;  
3      BatAvg=nHits/nAtBat;  
4  run;  
5  
6  proc means data=NATIONAL;  
7      var BatAvg;  
8  run;  
9
```

- ☐ True
- ☒ False

✓ **Correct**

Case does not matter in unquoted values, so in this case, the data set name can be specified in any case.

9. How many statements does this program contain?

1 / 1 point

```
1  *Create a cars report;  
2  
3  title "European Cars Priced Over 30K";  
4  footnote "Internal Use Only";  
5  
6  proc print data=sashelp.cars;  
7      where Origin='Europe'  
8          and MSRP>30000;  
9      var Make Model Type  
10         Mpg_City Mpg_Highway;  
11  run;  
12
```

- ☐ five
- ☐ six
- ☒ seven
- ☐ eight



Correct

This program contains seven statements (seven semicolons): comment, TITLE, FOOTNOTE, PROC, WHERE (two lines), VAR (two lines), and RUN.