



Exercises 2

1. Submitting a Program

- a. With the Program Editor window active, include a SAS program.
 - Windows and UNIX: Select **File** ⇒ **Open** and select the program `'c02ex1.sas'` or issue the command: `include 'c02ex1.sas'`
- b. Submit the program for execution. Based on the report in the Output window, how many observations and variables are in the `work.airports` data set?
- c. Examine the Log window. Based on the log notes, how many observations and variables are in the `work.airports` data set?
- d. Clear the Log and Output windows.

2. Filling in the Blanks

- e. SAS statements usually begin with a _____.
- f. Every SAS statement ends with a _____.
- g. Character variable values can be up to _____ characters long and use _____ byte(s) of storage per character.
- h. A SAS variable name has _____ to _____ characters and begins with a _____ or an _____.
- i. By default, numeric variables are stored in _____ bytes of storage.
- j. The internally stored SAS date value for January 1, 1960, is _____.
- k. A missing character value is displayed as a _____.
- n. A missing numeric value is displayed as a _____.

3. Naming the Pairs

- o. What are the two kinds of steps?
- p. What are the two portions of every SAS data set?
- q. What are the two types of variables?
- r. What are the two major parts of SAS output?



Exercises

4. Identifying as True or False

- s. If a SAS program produces output, then the program ran correctly and there is no need to check the SAS log.
- t. Omitting a semicolon never causes errors.

5. Correcting the Syntax of the SAS Program

```
data europeflight;  
  infile 'testdata.dat';  
  input @1 Flt-Num $3. @18 Destination $3. ;  
proc print data=europe  
run;
```

6. Correcting Errors

- a. With the Program Editor window active, include the SAS program **c02ex7**.
 - Windows and UNIX: Select **File** ⇒ **Open** and select the program **'c02ex7.sas'** or issue the command: **include 'c02ex7.sas'**
 - z/OS (OS/390): Issue the command:
include '.prog1.sascode(c02ex7)'
- b. Submit the program.
- c. Use the SAS log notes to identify the error, correct the error, and resubmit the program.