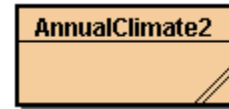# Assessment Instructions

Instructions: Modify the AnnualClimate1 class to convert Fahrenheit to Celsius and inches to centimeters. The output should be precisely formatted.

Note: This is a two-part assessment. You should have completed the menu in the last lesson, as well as displaying the temperature in Fahrenheit and the precipitation in inches.

1. Create a new project called Weather Data in the Unit06 Assessments folder.
2. Create a class called AnnualClimate2 in the newly created folder.
3. Copy the previous program and paste it into the new class. Be sure to change the class name.
4. Convert the temperature to Celsius and the precipitation to centimeters. Remember, the menu gives you the option to display the results in either set of units.
5. Display the data in both columns to one decimal place.
6. Calculate the average of each column.
7. When you complete this assessment and turn it in for a grade, your instructor will paste in data from a different location to test your program. So, you should also test the program with an alternate set of data as a precaution. Leave both sets in the source code, but comment out one location.

Expected Output: When your program runs correctly, the output should resemble the following screen shot.

```
BlueJ:  Terminal Window - 6.01 Weather Data

Options

Choose the temperature scale (F = Fahrenheit, C = Celsius): F
Choose the precipitation scale (i = inches, c = centimeters): i



                     Climate Data
              Location: Tallahassee, Florida


              Temperature F      Precipitaion in.
*************************************************
Jan.              51.8                 5.4
Feb.              54.8                 4.6
Mar.              61.1                 6.5
Apr.              66.4                 3.6
May               74.4                 5.0
Jun.              80.4                 6.9
Jul.              82.4                 8.0
Aug.              82.1                 7.0
Sep.              78.9                 5.0
Oct.              69.1                 3.3
Nov.              60.4                 3.9
Dec.              53.7                 4.1
*************************************************
         Average: 67.5       Annual: 63.3
```