

## Recitation I Practice

Follow the directions below.

1. Log into cs.bridgewater.edu.
2. Change your working directory to your **csci101** directory.
3. Make a directory named **r2** in your **csci101** directory.
4. Change your working directory to your **csci101/r2** directory.
5. In your **csci101/r2** directory, create a program in a file named **Practice.java** that satisfies the Program Requirements shown below.
6. Repeat the following until your program is complete and works properly.
  - Compile your program.
  - Debug your program until it compiles without error.
  - Run your program.
  - Test your program.
  - Debug and Edit your program if your program's output is not what you expect.

### Program Requirements

1. Print to the screen the string **Recitation Practice 2**.
2. Print to the screen the string -----.
3. Ask the user to enter a temperature in Fahrenheit.
4. Read in the value from the keyboard into a variable that can hold a decimal value and is named **fahrenheit**.
5. Convert the value to Celsius and store the value in a variable named **celsius**.
6. Print "in Celsius: " followed by the value in the variable **celsius**.
7. Ask the user to enter the radius of a circle.
8. Read in the value from the keyboard into a variable that can hold a decimal value and that is named **radius**.
9. Compute the area of the circle and store the value in a variable named **area**.
10. Print "Area of circle: " followed by the value in the variable **area**.
11. Ask the user to enter three grades.
12. Read the values from the keyboard into variables that can hold integers and that are named **grade1**, **grade2**, and **grade3**.
13. Compute the mean average of the three grades and store the value in a variable named **mean**.
14. Print "Mean: " followed by the value in the variable **mean**.