Queens College, CUNY
Computer Science 212

Lab 3

Aim: To become familiar with Java variables, operators, conditional and
      iteration statements.

1. Open an editor of your choice and type in the following Java program shell:

    ```java
    public class Lab3 {
        public static void main(String[] args) {

        }
    }
    ```

2. Declare two local variables inside the *main* method of type *float* called *fahrenheit*
    and another called *centigrade*. Compile the program (making sure, of course,
    that it compiled with no errors.)

3. Write a statement to assign *farenheit* a value of 98.6

4. The formula to convert Fahrenheit to Centigrade is
          c = 5/9 (f-32)
    Code this statement in your program.
    Provide output statements that display to the console what *Fahrenheit* and
    converted *centigrade* degrees are.

5. Now put in a *for* loop that will print the centigrade values of the numbers
    0.0, 5.0, 10.0, 15.0, …, 40.0

6. After the *for* loop, put in a while loop that does the same output as part 5.

    Show your work to your lab teacher.