

# Project One

Due @ 11:55 PM on Sunday 1/19/2014

## Objective:

1. Become familiar with basic Java system I/O
2. Become familiar with project submission process
3. Become familiar with our computing infrastructure

## Description:

Create a program that converts temperature from Celsius to Fahrenheit unit

## Background:

- Utilize the conversion formula  $f = (9/5) * c + 32.0$  to convert degrees Celsius to degree Fahrenheit.
- Write a Java code that accepts an input from the user (a double number) as degree Celsius to convert it to Degree Fahrenheit.

## Your program:

- When the program runs, it should first print its name, e.g., **Temperature Converter**
- The program should next prompt the user to enter a value in **Celsius**.
- The program then prints the result in **Fahrenheit** with a proper message, and quit.
- Your source code must conform to the following style:
  - There must be a header that contains:
    - (1) your name as author,
    - (2) the date the program was written,
    - (3) the version number of the program, and
    - (4) a short description of the purpose of the program. The @author and @version keywords must be entered exactly as shown below.

/\*\*

\* @author Your name \*

\* @version 1.2, 15 January 2014 \*

\* Description ..... \*

\* \*

\*/

- The source code must be intended properly and contain comments that describe the important parts of the program.

### **Test cases and example output :**

Test your code with  $c = -30.43$ ,  $c = 0$ ,  $c = -12.567$ .

### **Program submission:**

Upload a copy of your source code to the CSCE 146 dropbox at <https://dropbox.cse.sc.edu>