CS 120 Project 2

Due 11:59 PM Wednesday February 15

Project 2

- Implement a program that can produce a table of Fahrenheit and Celsius temperatures. The program should prompt the user to enter the starting Fahrenheit temperature, the number of rows in the table and the increment to add to the temperature for each row. All the user input will be ints. The output should be a table with columns for Fahrenheit and Celsius. The Celsius temperature shown be printed with 3 digits after the decimal point. See the next slide for sample output. You can assume the input is syntactically correct.

Example Execution
User input shown in bold

```
Enter the starting Fahrenheit temperature: 32
Enter the increment to add for each row: 20
Enter the number of rows: 10
  Fahrenheit   Celsius
          32     0.000
          52    11.111
          72    22.222
          92    33.333
         112    44.444
         132    55.556
         152    66.667
         172    77.778
         192    88.889
         212   100.000
```

Conversion Formula

- celsius = 5/9*(fahrenheit-32)
- How to write this in Java?

Project 2 Guidelines

- You must write the code yourself
- The name of the class must be FahrenheitTable and the file containing your program must be called FahrenheitTable.java. Remember java is case sensitive.
- Include a comment describing the purpose of the program. The comment should include your name.
- You can ask questions of your classmates but you **MUST NOT** share code. If you have a question it is usually better to ask me.
- Use meaningful variable names and proper indentation.

Project 2 Submission

- Upload one zip file to Canvas. The zip file must contain only one file called FahrenheitTable.java.

- The project is worth 15 points and must be submitted on time.