INLS 560 - Assignment 1: Writing a Temperature Converter

Date Assigned: Fri. Aug 22, 2014

Completion Date: Fri. Aug 29, 2014 (midnight)

Software issues:

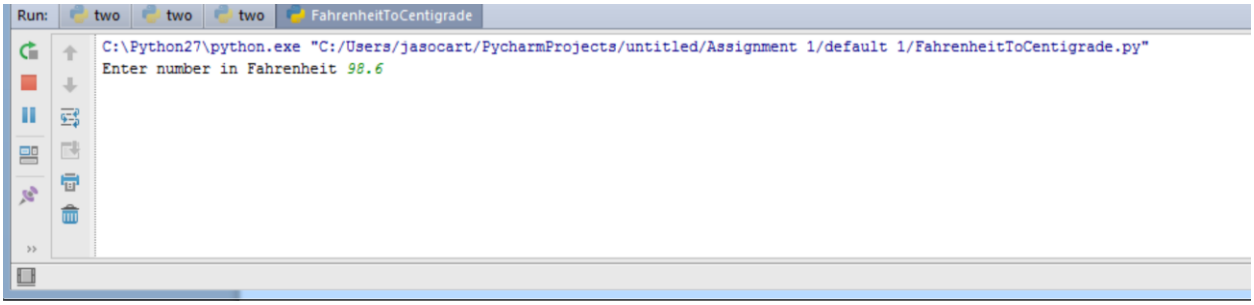
During the lecture on Friday, Aug 22, 2014, we installed the Python interpreter and Pycharm Community Edition on your laptops. The installation will make your computer ready for starting the assignment. If you miss this lecture, you are responsible for ensuring for the installation. If you feel there are mistakes in this assignment, check the web page and Sakai for corrections, and report them to us if they have not been made.

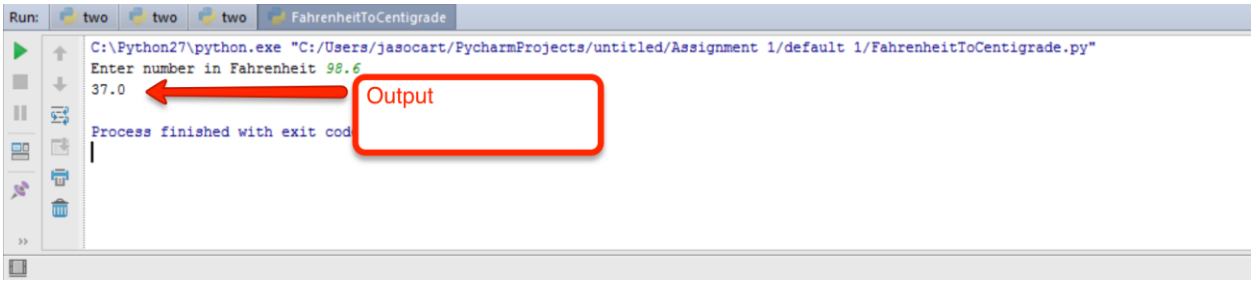
Assignment Specification

Part 1

- Create a file named FahrenheitToCentigrade.py
- In this file, write a program that takes
    - Prompts a user for input
        - The input is a number from a user in Fahrenheit
    - Converts the input to Centigrade
    - Prints the temperature in Centigrade

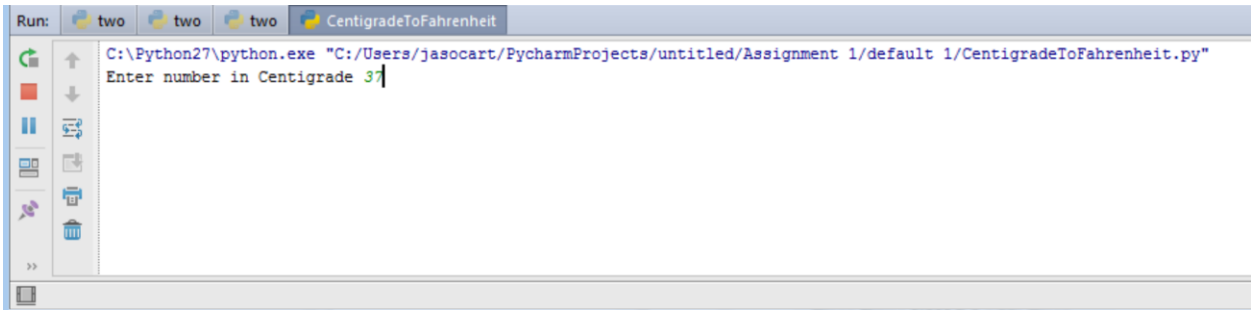
Assuming F and C are equivalent Fahrenheit and centigrade temperatures, respectively, the conversion formula is: **C = (F – 32) * 5/9**

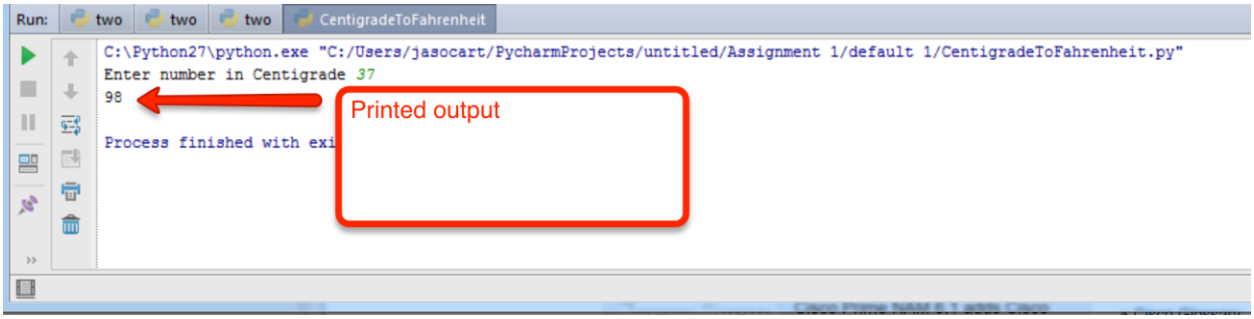




Part 2

- Create a file named CentigradeToFahrenheit.py
- In this file, write a program that takes
    - Prompts a user for input
        - The input is a number from a user in Centigrade
    - Converts the input to Fahrenheit
    - Prints the temperature in Fahrenheit
- Assuming F and C are equivalent Fahrenheit and centigrade temperatures, respectively, the conversion formula is: **F = C * 9/5 + 32**

- 



Use the Pycharm Community Edition IDE to develop and execute the code.

Grading

Programs will be graded based on whether they display the correct output, the correct logic, and style. In this assignment style means, make variable names meaningful. Do not create one letter variable names or variable names that do not have anything to with the assignment. The program must not only print the correct values, but the code must actually perform the correct operations.

Getting Help

If you have trouble, please post a question on Piazza before contacting me. Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce our burden and help you "teach" your fellow students.

Good luck!