

OPS 807 Homework 1

In-class exercise/Homework, Python basics

1. Write a program that uses `input()` to prompt a user for their name and then welcomes them.
2. Write a program which prompts the user for a Celsius temperature, convert the temperature to Fahrenheit, and print out the converted temperature.
3. Write a program to prompt the user for hours and rate per hour to compute gross pay. If the number of hours is more than 40, the number of hours in excess of 40 should be calculated as 1.5 the normal rate.
4. Write a program which repeatedly reads numbers until the user enters "done". Once "done" is entered, print out the total, count, and average of the numbers.
5. Please, upload your code to SMC MBA course website through dropbox. Any explanation of description should be done as comments (use multi-line comments) in the program. If you have issues with uploading Python code (.py) onto SMC MBA website, first zip your file and upload the zip file rather than .py file.

Optional:

- Use the tkinter library and implement problem 3 with a GUI (user interface). The user interface should have two entries (textboxes) for the number of hours and hourly rate and a compute button to calculate and display the gross pay.