bs00580_ CS 138 – Programming with Python

Homework Exercises (40 points)

Programming Projects Sheet #2

Project 1:

1. Programming Exercise #1, pg. 53, PrintScreen your results and submit your code in a file called hw2project1.py.

Project 2:

1. Write a program that converts degrees Fahrenheit to Celsius using the following formula.  
     
    *degreesC = 5(degreesF – 32)/9*  
     
   Prompt the user to enter a temperature in degrees Fahrenheit, and then let the program print out the equivalent Celsius temperature, including the fractional part to at least one decimal point. If you have more than one decimal point, don’t worry about it right now. A possible dialog might be:  
     
    Enter a temperature in degrees Fahrenheit: 72  
    72 degrees Fahrenheit = 22.2 degrees Celsius
2. PrintScreen your results and submit your code in a file called hw2project2.py.

Project 3

1. Modify the avg2.py program (Section 2.5.3) to find the average of N (where N is any number) exam scores. Hint, you will need to use a loop for this. Have the user enter the total number of scores that they will enter.

Example:

Enter the number of exam scores to be averaged: 4

Enter Exam Score 1: 80

Enter Exam Score 2: 90

Enter Exam Score 3: 95

Enter Exam Score 4: 75

Average Exam Score: 85

1. PrintScreen your results and submit your code in a file called hw2project3.py.

Submission:

For submission include your code and screenshots in a zip file. The name of the zip file should be hw#LastnameFirst.zip. So if I was submitting this zip file for Homework 1 my zip file would be hw1LewisKevin.zip.Thanks!