

CSE 201, Fall 2016

Homework # 04

Due Thursday October 6th 2016 by 11:59pm

Deliverables:

Problem 1 in PDF format

Problem 2 and Problem 3 as python files

Note: If you are working as a team of 2: Make sure to print team members' names, make sure that both team members upload the "same" file.

- 1) In about 100 words, summarize the main points of Chapter 3 of the Text.
- 2) Read the following problem carefully and solve this problem using Python. Create a new file named as Problem2.py using Spyder and write your Python program in this file. Use the Console to run your program

Write a program that requests the price and weight of an item in pounds and ounces, and then determines the price per ounce

Expected output of your Python program: Your output for price per ounce should be **formatted** with a currency (dollar), with 2 digits after decimal point. See below for output.

```
Enter price of item: 25.50
Enter weight of item in pounds and ounces separately.

Enter pounds: 1

Enter ounces: 9
Price per ounce: $1.02
```

- 3) Read the following problem carefully and solve this problem using Python. Create a new file named as Problem3.py using Spyder and write your Python program in this file. Use the Console to run your program.

An investor's stock portfolio consists of four Exchange Traded Funds (SPY, QQQ, EEM, and VXX). Write a program that requests the amount invested in each fund as input and then displays the total amount invested and each fund's percentage of the total amount invested.

Your program should display the **output formatted** as shown below.

Sample output:

```
Enter amount invested in SPY: 876543.21
Enter amount invested in QQQ: 234567.89
Enter amount invested in EEM: 345678.90
Enter amount invested in VXX: 123456.78

ETF      PERCENTAGE
-----
SPY      55.47%
QQQ      14.84%
EEM      21.87%
VXX      7.81%

TOTAL AMOUNT INVESTED: $1,580,246.78
```