

Assignment 5

CSI2120 Programming Paradigms

Winter 2015

Due on April 7th, 2015 before 11:00 pm in Virtual Campus

[5 marks in total]

Question 1. [2 points]

The attached file menu.txt gives a list of dishes and their prices in Canadian \$, write a Python script to generate a new file containing the same menu but with the price in Euros.

You must read each line of the file and replace the quoted price. For example:

grilled romaine, tomato jam, ricotta \$ 13

becomes:

grilled romaine, tomato jam, ricotta 9.75 euros

Use a rate of 0.75 euro for \$ 1 CAD.

Question 2. [2 points]

Write a function in Python that takes as input a sequence and outputs a dictionary. The keys of the dictionary should be the unique elements of the sequence and their associated values the number of occurrences of the keys in the original sequence. For example:

```
>>> d = liquidationAccount( [ 3,5,4,3,3,4,7,5,5,3 ] )
>>> d
{3: 4, 4: 2, 5: 3, 7: 1}
```

Question 3. [1 point]

Read all files in the current directory, and copy them in a new sub-directory named WorkingCopy. The file names should be changed such that all spaces are removed, the next letter after the previous space is caps and the current date is added to the file name.

E.g.: The file "letter to my friend joe.docx" would be copied into the directory WorkingCopy as "letterToMyFriendJoe20150327.docx". (Assuming the python program was run on 2015/03/27).