**Assignment 4 - Tuple and dictionary**

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A14. Python program to Sort a List of Tuples in Increasing Order by the Second element in Each Tuple.

lst = [(2,30,6),(10,6,9),(20,25,40,100)]

sorted\_lst = sorted(lst, key=lambda x: x[1])

print(sorted\_lst)

A15. The program takes a string and counts the frequency of words appearing in that string using a dictionary.

sentence = "this is a sample input string it contains multiple words some of which are repeated words like this is a sample and words appear more than once in this string"

dic = {}

sentence\_list = sentence.split(sep=" ")

for word in sentence\_list:

    if dic.\_\_contains\_\_(word):

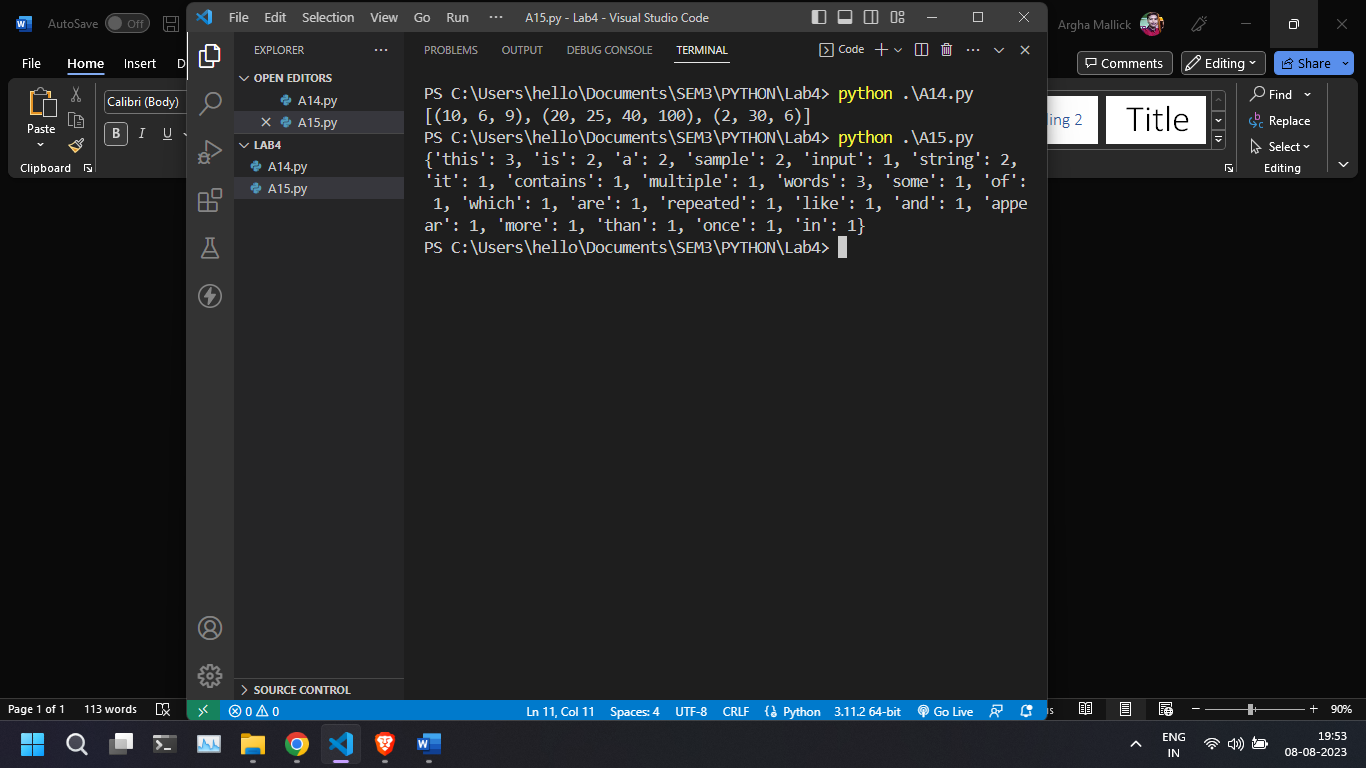
        dic[word] = int(dic.get(word)) + 1

    else:

        dic[word] = 1

print(dic)

**Output**

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