Worksheet – 2.3

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Section/Group: 809/A
Semester: 4th
Date of Performance: 03/04/2022
Subject Name: Programming in Python Lab
Subject Code: 20CSP-259

1. Aim/Overview of the practical:

I. Write a Python program to combine two dictionary adding values for common keys. d1 = {'a': 100, 'b': 200, 'c':300}, d2 = {'a': 300, 'b': 200, 'd':400}
II. Write a Python program to find the highest 3 values of corresponding keys in a dictionary.

2. Task to be done/ Which logistics used:

I. Write a Python program to combine two dictionary adding values for common keys. d1 = {'a': 100, 'b': 200, 'c':300}, d2 = {'a': 300, 'b': 200, 'd':400}
II. Write a Python program to find the highest 3 values of corresponding keys in a dictionary.

3. Steps for experiment/practical/Code:

I. Write a Python program to combine two dictionary adding values for common keys.

Sourse Code:

```
d1 = {'a': 100, 'b': 200, 'c': 300}
d2 = {'a': 300, 'b': 200, 'd': 400}

for i in d2 :
   if i in d1 :
      d1[i] = d1[i] + d2[i]
   else :
      d1[i] = d2[i]
print(d1)
```

II. Write a Python program to find the highest 3 values of corresponding keys in a dictionary.

Sourse Code:

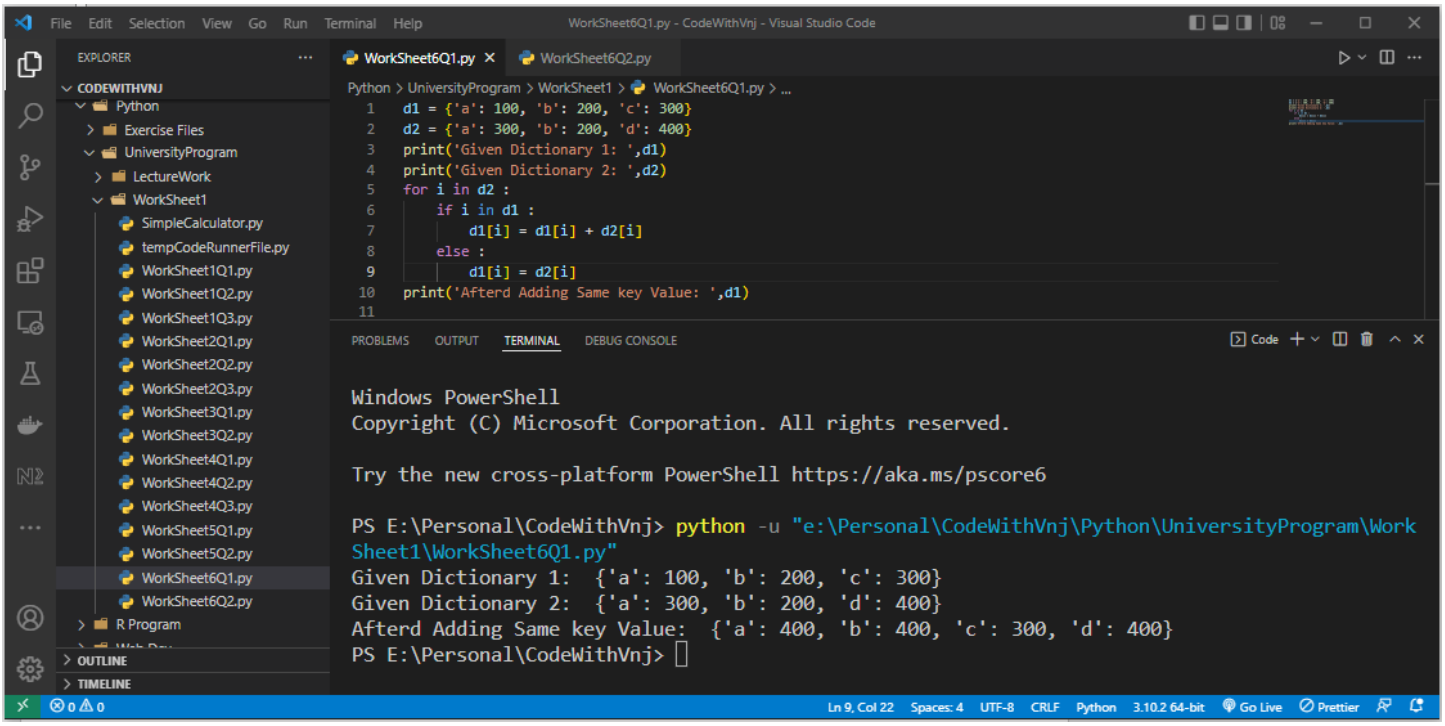
```
#Method 1
from collections import Counter
```

```
my_dict = {'a': 333, 'b': 4, 'c': 6, 'd': 5, 'e': 21, 'f':99, 'g':40}
k = Counter(my_dict)
high = k.most_common(3)
print("Dictionary with 3 highest values:")
print("Keys: Values")
for i in high:
    print(i[0],":",i[1])

# Method 2
my_dict = {'a': 333, 'b': 4, 'c': 6, 'd': 5, 'e': 21, 'f':99, 'g':40}
my_keys = sorted(my_dict, key=my_dict.get, reverse=True)[:3]
print("Dictionary with 3 highest values:")
print("Keys: Values")
for i in my_keys:
    print(i,':',my_dict[i])
```

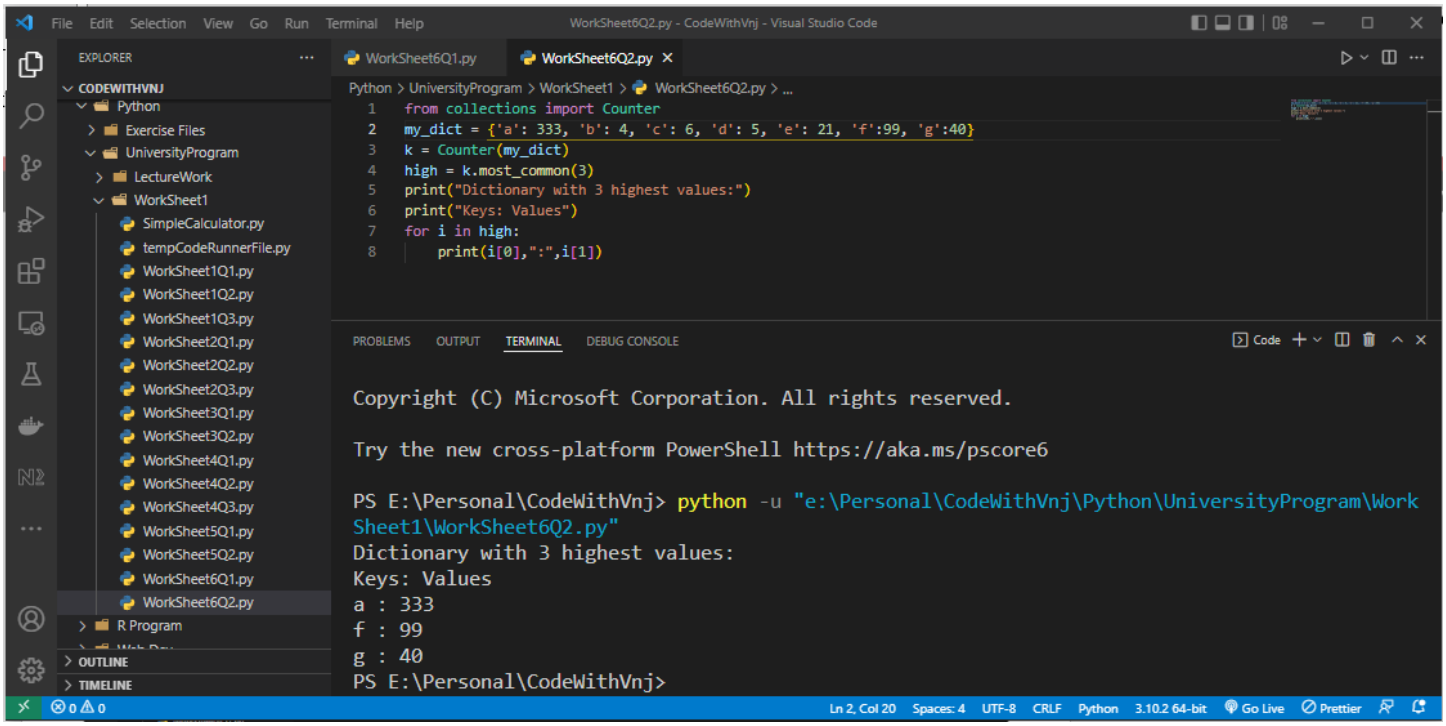
4. Result/Output/Writing Summary:

I. Write a Python program to combine two dictionary adding values for common keys.

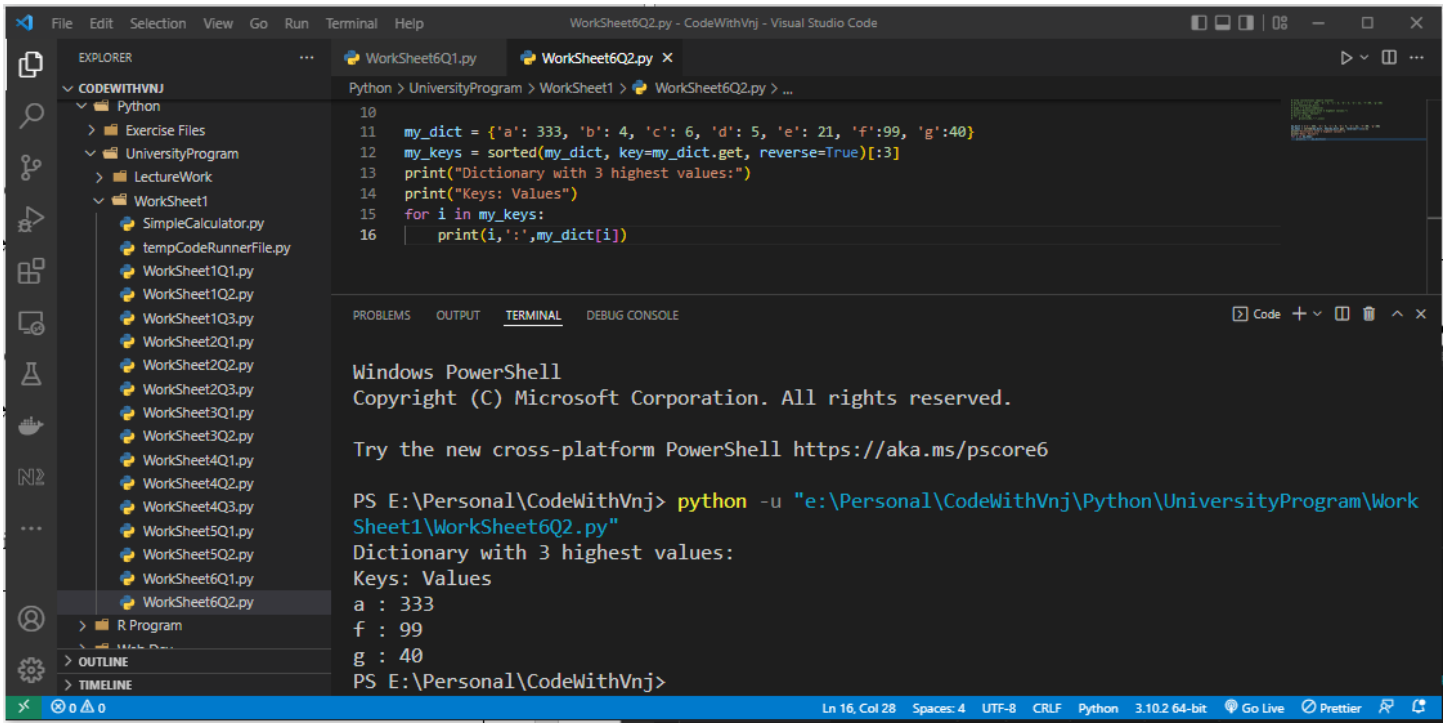


II. Write a Python program to find the highest 3 values of corresponding keys in a dictionary.

Method 1:



Method 2:



Learning outcomes (What I have learnt):

1. I have learnt, how to take List as well as Tuple Input from User.

2. Learnt to find the sorted tuple with their last element.

3. Learnt to List Manipulation.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			
4			