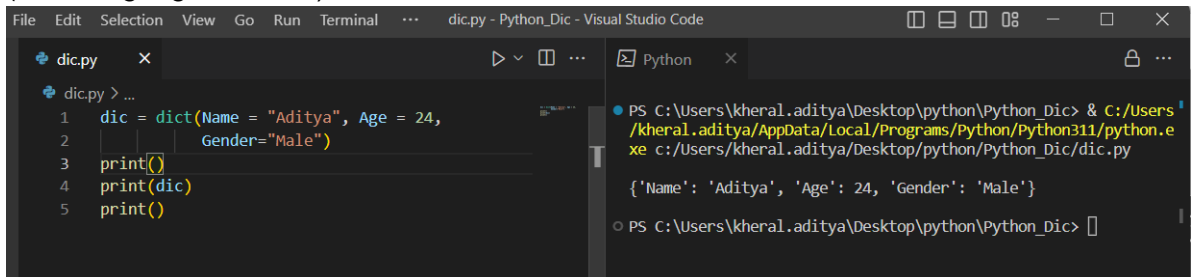


Dictionary

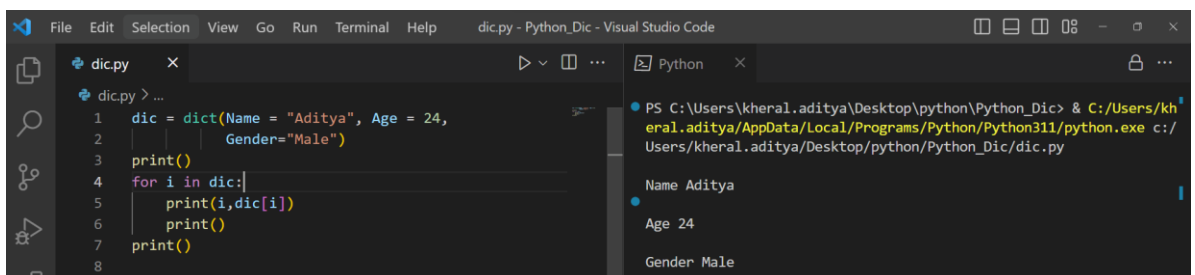
1. Write a python program to create and print a dictionary which stores your information. (name, age, gender)



```
dic.py > ...
1 dic = dict(Name = "Aditya", Age = 24,
2         Gender="Male")
3 print()
4 print(dic)
5 print()
```

```
PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py
{'Name': 'Aditya', 'Age': 24, 'Gender': 'Male'}
```

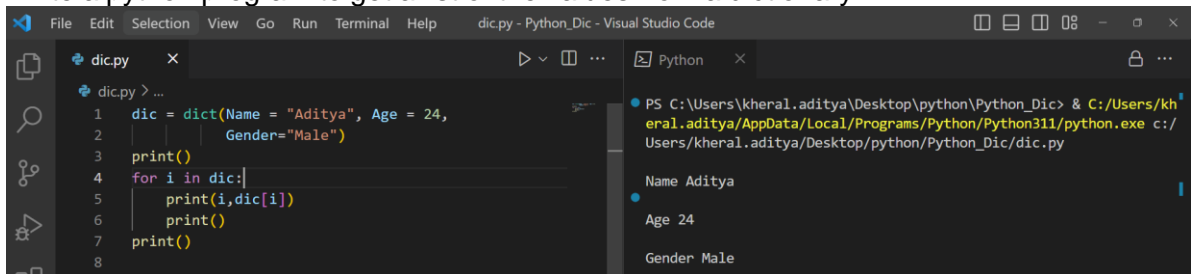
2. Write a python program to access the items of a dictionary by referring to its key name.



```
dic.py > ...
1 dic = dict(Name = "Aditya", Age = 24,
2         Gender="Male")
3 print()
4 for i in dic:
5     print(i,dic[i])
6     print()
7 print()
8
```

```
PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py
Name Aditya
Age 24
Gender Male
```

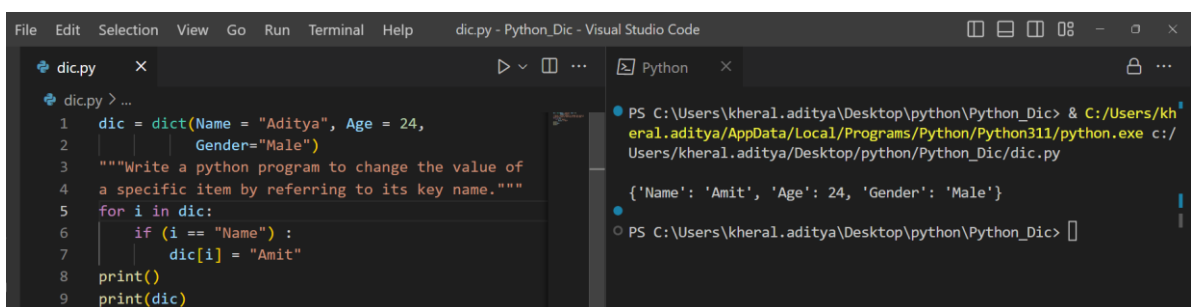
3. Write a python program to get a list of the values from a dictionary.



```
dic.py > ...
1 dic = dict(Name = "Aditya", Age = 24,
2         Gender="Male")
3 print()
4 for i in dic:
5     print(i,dic[i])
6     print()
7 print()
8
```

```
PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py
Name Aditya
Age 24
Gender Male
```

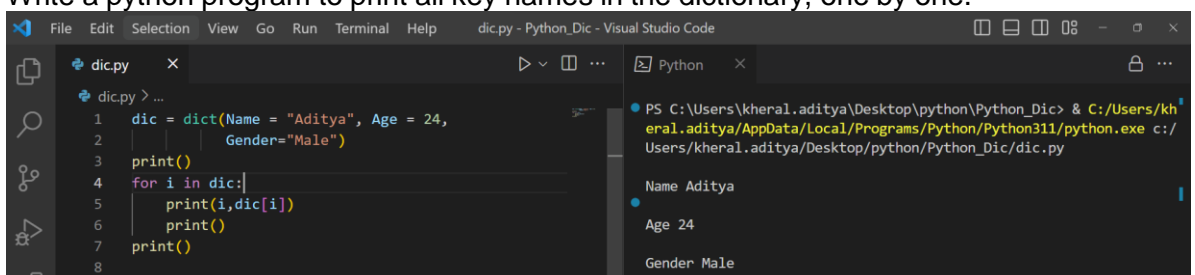
4. Write a python program to change the value of a specific item by referring to its key name.



```
dic.py > ...
1 dic = dict(Name = "Aditya", Age = 24,
2         Gender="Male")
3 """Write a python program to change the value of
4 a specific item by referring to its key name."""
5 for i in dic:
6     if (i == "Name") :
7         dic[i] = "Amit"
8 print()
9 print(dic)
```

```
PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py
{'Name': 'Amit', 'Age': 24, 'Gender': 'Male'}
```

5. Write a python program to print all key names in the dictionary, one by one.



```
dic.py > ...
1 dic = dict(Name = "Aditya", Age = 24,
2         Gender="Male")
3 print()
4 for i in dic:
5     print(i,dic[i])
6     print()
7 print()
8
```

```
PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py
Name Aditya
Age 24
Gender Male
```

6. Write a python program to create a dictionary that contains three dictionaries. (nested)

```

14 my_Nested_Dic = {
15     "first_Dic":{
16         "Name" : "Aditya",
17         "Age": 24
18     },
19     "Sec_Dic":{
20         "Name": "Kishor",
21         "Age": 23
22     },
23     "Third_Dic":{
24         "Name": "Ravi",
25         "Age": 27
26     }
27 }
28 print()
29 print(my_Nested_Dic)

```

```

PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py

{'first_Dic': {'Name': 'Aditya', 'Age': 24}, 'Sec_Dic': {'Name': 'Kishor', 'Age': 23}, 'Third_Dic': {'Name': 'Ravi', 'Age': 27}}

```

- Write a python program to create three dictionaries, then create one dictionary that will contain the other three dictionaries.

```

37 my_Nested_Dic = {}
38 print(my_Nested_Dic)
39 print()
40
41 my_Nested_Dic['first_Dic']={'Name' : "Aditya","Age"
42 print(my_Nested_Dic)
43 print()
44 my_Nested_Dic['Sec_Dic']={}
45 my_Nested_Dic['Sec_Dic']['Name']= "Kishor"
46 my_Nested_Dic['Sec_Dic']['Age']= 22
47
48 print()
49 print(my_Nested_Dic)

```

```

PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py

{}

{'first_Dic': {'Name': 'Aditya', 'Age': 24}}

{'first_Dic': {'Name': 'Aditya', 'Age': 24}, 'Sec_Dic': {'Name': 'Kishor', 'Age': 22}}

```

- Write a python program to convert two lists into a dictionary in a way that item from list1 is the key and item from list2 is the value.

```

50 # print()
51 """Write a python program to convert two lists
52 into a dictionary in a way that item from list1
53 is the key and item from list2 is the value."""
54 print()
55 list1=["Scorpio", "XUV", "Mercedes", "Audi", "jaguar"]
56 list2=["Black", "White", "Sliver", "Brown", "MaatBlack"]
57 Dict1 = {}
58 for i in range(len(list1)):
59     Dict1[list1[i]] = list2[i]
60 print(Dict1)
61 print()

```

```

PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py

{'Scorpio': 'Black', 'XUV': 'White', 'Mercedes': 'Sliver', 'Audi': 'Brown', 'jaguar': 'MaatBlack'}

```

- Write a python program to merge two python dictionaries into one dictionary.

```

63 """Write a python program to merge two python
64 dictionaries into one dictionary."""
65
66 first_Dic={"Name" : "Aditya","Age": 24 }
67 Sec_Dic={"brother": "Kishor","Age_of_brother": 23}
68 Third_Dic = {}
69 Third_Dic = first_Dic.copy()
70 Third_Dic.update(Sec_Dic)
71 print()
72 print(Third_Dic)
73 print()

```

```

PS C:\Users\kheral.aditya\Desktop\python\Python_Dic> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py

{'Name': 'Aditya', 'Age': 24, 'brother': 'Kishor', 'Age_of_brother': 23}

```

- Write a python program to get the key of lowest value from the dictionary.

```

sample_dict = {
    'C': 92,
    'Java': 66,
    'Python': 85
}

```

```
dic.py x
C: > Users > kheral.aditya > Desktop > python > Python_Dic > dic.py >
84
85 """Write a python program to get the key of
86 lowest value from the dictionary. """
87 sample_dict = {
88     'C': 92,
89     'Java': 66,
90     'Python': 85
91 }
92 lowest = 1000000
93 for i in sample_dict:
94     # print(sample_dict[i])
95     # print(type(sample_dict[i]))
96     if (lowest > sample_dict[i]):
97         lowest = sample_dict[i]
98 print(lowest)
99
```

Python + v [] ... x

PS C:\Users\kheral.aditya> & C:/Users/kheral.aditya/AppData/Local/Programs/Python/Python311/python.exe c:/Users/kheral.aditya/Desktop/python/Python_Dic/dic.py

66

PS C:\Users\kheral.aditya> []