LAB:08

QUESTION:01

Design a dictionary of your family. Once you get the printout update family dictionary with your Grandparents (maternal and paternal) including uncles and aunts (maternal and paternal).

INPUT

```
family={"Father Name: ":"Muhammad Hasnain”, “Mother Name: ":"Tasneem Fatima","siblings:
":["Ghadeer","Ghazi","Qayum","Rohullah"]}
grandfamily={"maternal_grand_family: ":{"grand_mother":"Johar Fatima","grand_father":"Afaq
Hussain","uncles":["Asif Raza",
"Arif Raza","Fazil Raza","Kazim Raza","Amir Raza","Kashif Raza"],"aunts":["Tehseen Fatima"
,"Tanveer Fatima","Tanzeem Fatima","Tauqeer Fatima","Tafseer Fatima"]},"paternal_grand_family:
":{"grand_mother":"Iqbal_bano","grand_father":
"Masroor Hussain","uncles":["Muhammad Pervaiz","Muhammad Naveed"],"aunts":["Afroze
Fatima","Urooj Fatima","Farwa Fatima",
"Raheela Fatima"]}}
family.update(grandfamily)
for x,y in family.items():
     print(x,y)
```

OUTPUT

Father_Name: Muhammad Husnain
Mother_Name: Tasneem Fatima
siblings: ['Ghadeer', 'Ghazi', 'Qaiem', 'Roohallah']
maternal_grand_family: {'grand_mother': 'Johar Fatima', 'grand_father': 'Afaq Hussain', 'uncles': ['Asif Raza', 'Arif Raza', 'Fazil Raza', 'Kazim Raza', 'Amir Raza', 'Kashif Raza'], 'aunts': ['Tehseen Fatima', 'Tanveer Fatima', 'Tanzeem Fatima', 'Tauqeer Fatima', 'Tafseer Fatima']}
paternal_grand_family: {'grand_mother': 'Iqbal_bano', 'grand_father': 'Masroor Hussain', 'uncles': ['Muhammad Pervaiz', 'Muhammad Naveed'], 'aunts': ['Afroze Fatima', 'Urooj Fatima', 'Farwa Fatima', 'Raheela Fatima']}
Process finished with exit code 0

QUESTION:02

. Write a function to design a personal phone directory of your parents and friends. You must add 12 members. Then make a function to delete a member from a telephone directory. Print total number of members in your personal phone directory.

INPUT

```
import math
print("***TELEPHONE DIRECTORY***")
list1=[]
list2=[]
dic1={}
n = int(input("enter the number of contacts: "))
for i in range(0, n):
    a = str(input("enter name: "))
    b = int(input("enter number: "))
    def directory():
        list1.extend([a])
        list2.extend([b])
        dic1 = dict(zip(list1, list2))
        return dic1
    dic1=directory()
print(dic1)
ask=str(input("do you want to remove any directory?"))
while(ask=="yes"):
    unwanted_directory=str(input("enter name of directory to remove: "))
    def unwanted():
       del dic1[unwanted_directory]
       print("updated directory")
       return dic1
```

```
print(unwanted())
ask = str(input("do you want to remove any directory?"))
```

OUTPUT:

```
***TELEPHONE DIRECTORY***
enter the number of contacts: 12
enter name: mom
enter number: 01234567893
enter name: dad
enter number: 03322047619
enter name: ali
enter number: 03141007417
enter name: soha
enter number: 031422555789
enter name: neha
enter number: 032546786488
enter name: fiza
enter number: 012364573220
enter name: sim
enter number: 098766543222
enter name: asma
enter number: 098524567888
enter name: arsal
enter number: 042322728262
enter name: sara
enter number: 034262722752
enter name: zara
enter number: 042322681114
enter name: saba
enter number: 042245678954
{'mom': 1234567893, 'dad': 3322047619, 'ali': 3141007417, 'soha': 31422555789, 'neha': 32546786488, 'fiza': 12364573220, 'sim': 98766543222, 'asma': 98524567888, 'arsal': 42322728262, 'sara': 34262722752, 'zara': 42322681114, 'saba': 42245678954}
do you want to remove any directory?yes
enter name of directory to remove: fiza
updated directory
{'mom': 1234567893, 'dad': 3322047619, 'ali': 3141007417, 'soha': 31422555789, 'neha': 32546786488, 'sim': 98766543222, 'asma': 98524567888, 'arsal': 42322728262, 'sara': 34262722752, 'zara': 42322681114, 'saba': 42245678954}

do you want to remove any directory?no

Process finished with exit code 0
```