

In [1]:

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1 # Program 1
2 dict={'Father': 'Azeem', 'Mother': 'Parween', 'Brother': 'Umer'}
3 print('dict:', dict)
4 dict['Grandfather'] = 'Inam ul Haq'
5 dict['Uncle'] = 'Nadeem'
6 print('Update_dict:', dict)

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dict: {'Father': 'Azeem', 'Mother': 'Parween', 'Brother': 'Umer'}
Update_dict: {'Father': 'Azeem', 'Mother': 'Parween', 'Brother': 'Umer', 'Grand
father': 'Inam ul Haq', 'Uncle': 'Nadeem'}

```

In [2]:

```

1 # Program 2
2 dict={'Father': '03358947021', 'Mother': '02589976431', 'Brother': '89724061
3      'Grandfather': '89561959591', 'Uncle': '02965978624', 'Aslam': '033589
4      'Aslam': '03358947021', 'Soban': '02589976431', 'Usman': '89724061944
5      'Salman': '89561959591', 'Haider': '02965978624', 'Ahsan': '0335894702
6      'Ali': '03358947021'}
7 dict.popitem()
8 print(dict)
9 print(len(dict))

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{'Father': '03358947021', 'Mother': '02589976431', 'Brother': '89724061944', 'G
randfather': '89561959591', 'Uncle': '02965978624', 'Aslam': '03358947021', 'So
ban': '02589976431', 'Usman': '89724061944', 'Salman': '89561959591', 'Haider':
'02965978624', 'Ahsan': '03358947021'}
11

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In [3]:

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1 # Program 3
2 def hexASCII():
3     hexasi = {}
4     for i in range(97,123):
5         hexasi[chr(i)] = ['{0:x}'.format(i)]
6     print(hexasi)
7 hexASCII()

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```

{'a': ['61'], 'b': ['62'], 'c': ['63'], 'd': ['64'], 'e': ['65'], 'f': ['66'],
'g': ['67'], 'h': ['68'], 'i': ['69'], 'j': ['6a'], 'k': ['6b'], 'l': ['6c'],
'm': ['6d'], 'n': ['6e'], 'o': ['6f'], 'p': ['70'], 'q': ['71'], 'r': ['72'],
's': ['73'], 't': ['74'], 'u': ['75'], 'v': ['76'], 'w': ['77'], 'x': ['78'],
'y': ['79'], 'z': ['7a']}

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In [2]:

```
1  # Program 4
2  myfavort = {'favorite' : ['Pizza','Biryani','Qorma','Nihari','Pilao','Bhindi']}
3  cooked = {'mon':'Teenday','tue':'Tori','wed':'Biryani','thurs':'Nihari','fri':
4
5
6  cookd = cooked.values()
7  favorite = myfavort['favorite']
8  notmade = 0
9  z = set(cookd)&set(favorite)
10 print('My Favorite Dishes that has not been made : ',end="")
11 for i in favorite:
12     if i not in z :
13         print(i,end=" , ")
14         notmade = notmade + 1
15
16 print('\nNumber of Dishes made of my choice : ',notmade)
```

My Favorite Dishes that has not been made : Qorma , Pilao , Bhindi ,
Number of Dishes made of my choice : 3

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In [1]: 1 # Program 5
2 parentlist = {'Mr Mehmood': ['Ali', 'Usman', 'Mr Mehmood', 'Mrs Mehmood'],
3             'Mr Ahmed' : ['Mr Ahmed', 'Mrs Ahmed', 'Eisha', 'Ghaffar'],
4             'Mr Omer' : ['Mr Omer', 'Mrs Omer', 'Ahmed', 'Pasha'],
5             'Mr Basheer' : ['Mr Basheer', 'Mrs Basheer', 'Osama', 'Ahmed'] }
6
7 mylist = {'Mr Farhan': ['Osama', 'Usman', 'Mr Farhan', 'Mrs Farhan'],
8          'Mr Ahmed' : ['Mr Ahmed', 'Mrs Ahmed', 'Eisha', 'Ghaffar'],
9          'Mr Mujtaba' : ['Mr Mujtaba', 'Mrs Mujtaba', 'Ayesha', 'Umaima'],
10         'Mr Basheer' : ['Mr Basheer', 'Mrs Basheer', 'Osama', 'Ahmed']}
11
12
13 def totalguest(dic1,dic2):
14     count = 0
15     totalguest = 0
16     guestfamilies = set(mylist)|set(parentlist)
17
18     for i in guestfamilies:
19         if i in parentlist:
20             guest = parentlist[i]
21             totalguest = totalguest + len(guest)
22             print("Family of MR {0:12} : {1}".format(i,guest))
23         else:
24             guest = mylist[i]
25             totalguest = totalguest + len(guest)
26             print("Family of MR {0:12} : {1}".format(i,guest))
27
28     print('Total Number of families : ',len(guestfamilies))
29     print("Total Number of Guests : " ,totalguest)
30 totalguest(parentlist,mylist)
31
32

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Family of MR Mr Mujtaba : ['Mr Mujtaba', 'Mrs Mujtaba', 'Ayesha', 'Umaima']
Family of MR Mr Omer : ['Mr Omer', 'Mrs Omer', 'Ahmed', 'Pasha']
Family of MR Mr Farhan : ['Osama', 'Usman', 'Mr Farhan', 'Mrs Farhan']
Family of MR Mr Ahmed : ['Mr Ahmed', 'Mrs Ahmed', 'Eisha', 'Ghaffar']
Family of MR Mr Mehmood : ['Ali', 'Usman', 'Mr Mehmood', 'Mrs Mehmood']
Family of MR Mr Basheer : ['Mr Basheer', 'Mrs Basheer', 'Osama', 'Ahmed']
Total Number of families : 6
Total Number of Guests : 24

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In [ ]: 1

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