





In [16]:

```
1 print("\n\n CONTACT BOOK BY USING DICTIONARY \n")
2
3 # Creating an empty dictionary as contact to save the names of contact numbers
4 contact={}
5
6 # creating a display_function to display the contact names and numbers
7 def display_contact():
8     print("Name\t\tContact Number")
9     for key in contact:
10         print("{}\t\t{}".format(key,contact.get(key)))
11
12 # taking the while loop until the condition gets false
13 while True:
14
15     # we are takking choice of user i.e, user can Add new contact,Search contact,Display contact,Edit con
16     choice=int(input("\n 1.Add new contact \n 2.Search contact \n 3.Display contact \n 4.Edit contact \n
17
18     # if the users choice is 1 then user can add the new contact
19     if choice==1:
20
21         # Entering the contact name
22         name=input("\n Enter the contact name:")
23
24         # Entering the mobile number
25         phone=input("\n Enter the mobile number:")
26
27         # saving the name and phone in contact dictionary
28         contact[name]=phone
29
30     # if the users choice is 2 then user can search the contact they want to
31     elif choice==2:
32
33         # entering the contact name which they want to search
34         search_name=input("\n Enter the contact name:")
35
36         # searching if the name is in contact or not
37         if search_name in contact:
38
39             # if the name is in contact the print search_name,'s contact number is,contact[search_name]
40             print(search_name,"'s contact number is ",contact[search_name])
41
42         # if the name is not in contact
43         else:
```

```
44
45     # displaying the name is not found in contact book
46     print("\n Name is not found in contact book")
47
48     # if the users choice is 3 then they can display the contacts
49     elif choice==3:
50
51         # checking if there are any contacts or not
52         if not contact:
53
54             # if there are no contacts then display "Empty contact book"
55             print("\n Empty contact book")
56
57         # if there are contacts then display the contacts
58         else:
59
60             # using the function to display the contacts
61             display_contact()
62
63     # if the users choice is 4 then they can edit the contacts numbers
64     elif choice==4:
65
66         # entering the contact name which they want to edit the number
67         edit_contact=input("\n Enter the contact name to be edited:")
68
69         # checking if the contact number which we want to edit is in contact or not
70         if edit_contact in contact:
71
72             # if the contact number which we want to edit is in contact the ask user to Enter new mobile
73             phone=input("\n Enter mobile number:")
74
75             # saving the edited contact number in contacts
76             contact[edit_contact]=phone
77
78             # displaying Contact updated after saving the new number
79             print("\n Contact updated")
80
81             # using the function to display the contacts after the changes
82             display_contact()
83
84         # if the contact number which we want to edit is not in contact
85         else:
86
```

```
87         # displaying the "Name is not found in contact book"
88         print("\n Name is not found in contact book")
89
90     # if the users choice is 5 then they can delete the contact
91     elif choice==5:
92
93         # asking the user to enter the contact which they want to delete
94         del_contact=input("\n Enter the contact to be deleted")
95
96         # checking if the entered contact is in contact or not
97         if del_contact in contact:
98
99             # confirming whether the user really want to delete the contact or not
100            confirm=input("\n Do you want to delete this contact yes/no:")
101
102            # if the entered confirm=yes,or Yes then we can delete the contact
103            if confirm=='yes' or confirm=='Yes':
104
105                # deleting the entered contact by using pop()
106                contact.pop(del_contact)
107
108                # displaying the contact after deleting the contact
109                display_contact()
110
111            # if the entered contct is not in contact
112            else:
113
114                # Displaying "Name is not found in contact book"
115                print("\n Name is not found in contact book")
116
117    # if the users choice is 6 or more than 6 then they can exit from the contact book
118    else:
119
120        # breaking the while loop and exiting from the loop
121        break
```

## CONTACT BOOK BY USING DICTIONARY

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:1

Enter the contact name:vanaja

Enter the mobile number:8377647533

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:1

Enter the contact name:amy

Enter the mobile number:9087656789

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:2

Enter the contact name:vanaja

vanaja 's contact number is 8377647533

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:3

Name	Contact Number
vanaja	8377647533
amy	9087656789

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:4

Enter the contact name to be edited:vanaja

Enter mobile number:9937464887

Contact updated

Name	Contact Number
vanaja	9937464887
amy	9087656789

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:5

Enter the contact to be deletedvanaja

Do you want to delete this contact yes/no:yes

Name	Contact Number
------	----------------

amy 9087656789

- 1.Add new contact
- 2.Search contact
- 3.Display contact
- 4.Edit contact
- 5.Delete contact
- 6.Exit

Enter your choice:6

In [ ]:

1