

Parth Nikam | PRN:- 20070123120 | E&TC - B1

Dictionary - Phone Book

Code

```
In [ ]: pb={}
def entry():
    global pb
    name=input("Enter name-")
    num=input("Enter number-")
    pb[name]=num
    print("Contact added successfully!")
    menu()

def access():
    name=input("Enter name-")
    print("Phone Number-",pb[name])
    menu()

def remove():
    global pb
    name=input("Enter contact name to be DELETED-")
    del pb[name]
    print("CONTACT DELETED")
    menu()

def menu():
    print("PHONE BOOK")
    print("Press 1 for ADDING a contact")
    print("Press 2 for ACCESSING a contact")
    print("Press 3 for REMOVING a contact")
    print("Press 4 to EXIT")
    opt=int(input("Enter your choice-"))
    if opt==1:
        entry()
    elif opt==2:
        print("\nPress 1 to see ALL CONTACTS")
        print("Press 2 to ACCESS PERTICULAR CONTACT")
        acc=int(input("Enter your opt-"))
        if acc==1:
            global pb
            print('\nCONTACTS\n', pb)
            menu()
        elif acc==2:
```

```

        access()
    elif opt==3:
        print("\nPress 1 to DELTE ALL CONTACTS")
        print("Press 2 to DELETE PERTICULAR CONTACT")
        rem=int(input("Enter your opt-"))
    if rem==1:
        del pb
        print('\nPHONEBOOK IS EMPTY ')
        menu()
    elif rem==2:
        remove()
    elif opt==4:
        print("Byeee ")
        exit()
menu()

```

PHONE BOOK

Press 1 for ADDING a contact
 Press 2 for ACCESSING a contact
 Press 3 for REMOVING a contact
 Press 4 to EXIT
 Enter your choice-1
 Enter name-Police
 Enter number-100
 Contact added successfully!

PHONE BOOK

Press 1 for ADDING a contact
 Press 2 for ACCESSING a contact
 Press 3 for REMOVING a contact
 Press 4 to EXIT
 Enter your choice-1
 Enter name-Fire
 Enter number-101
 Contact added successfully!

PHONE BOOK

Press 1 for ADDING a contact
 Press 2 for ACCESSING a contact
 Press 3 for REMOVING a contact
 Press 4 to EXIT
 Enter your choice-1
 Enter name-Ambulance
 Enter number-102
 Contact added successfully!

PHONE BOOK

Press 1 for ADDING a contact
 Press 2 for ACCESSING a contact
 Press 3 for REMOVING a contact
 Press 4 to EXIT
 Enter your choice-2

Press 1 to see ALL CONTACTS
 Press 2 to ACCESS PERTICULAR CONTACT
 Enter your opt-1

CONTACTS

```
{'Police': '100', 'Fire': '101', 'Ambulance ': '102'}
```

PHONE BOOK

Press 1 for **ADDING** a contact

Press 2 for **ACCESSING** a contact

Press 3 for **REMOVING** a contact

Press 4 to **EXIT**

Algorithm

1. **START**
2. Create an empty dictionary named pb.
3. Make a function menu to access other funtions.
4. Define function entry() to add an element to the dictionary.
5. Define function access() to access elements.
6. Define function remove() to delete records.
7. **STOP**

Flow Chart

