In [1]:

```
d1={}
i=True
def add():
    n=input('enter contact name')
    p=int(input('enter contact number'))
    d1.update({n:p})
    print('contact added sucessfully!')
    print(d1)
def update():
    a=input('enter contact name to update')
    d1.get(a)
    b=int(input('enter contact number'))
    d1.update({a:b})
def search():
    c=input('enter contact name to search')
    if(c in d1):
        print(d1.get(c))
    else:
        print('contact not found')
def delete():
    d=input('enter contact to delete')
    if(d in d1):
        d1.pop(d)
        print('contact deleted sucessfully')




while(i):
    print('enter any of the option')
    print('1.add 2.update 3.search  5.delete 6.display 0.exit')
    i=int(input())
    if(i==1):
        add()
    if(i==2):
        update()
    if(i==3):
        search()

    if(i==5):
        delete()
    if(i==6):
        print(d1)
    if(i==0):
        print('exited from phonebook')

```

```
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
1
enter contact namebhaskara
enter contact number252552
contact added sucessfully!
{'bhaskara': 252552}
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
```

```
1
enter contact nameahad
enter contact number25255
contact added sucessfully!
{'bhaskara': 252552, 'ahad': 25255}
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
1
enter contact namesamad
enter contact number25255254
contact added sucessfully!
{'bhaskara': 252552, 'ahad': 25255, 'samad': 25255254}
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
6
{'bhaskara': 252552, 'ahad': 25255, 'samad': 25255254}
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
2
enter contact name to updateahad
enter contact name85858
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
6
{'bhaskara': 252552, 'ahad': 85858, 'samad': 25255254}
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
5
enter contact to deletebhaskara
contact deleted sucessfully
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
6
{'ahad': 85858, 'samad': 25255254}
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
3
enter contact name to searchsamad
25255254
enter any of the option
1.add 2.update 3.search 4.exist 5.delete 6.display 0.exit
0
exited from phonebook
```

In [4]:
```
1 print(dir(dict))
```

```
['__class__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc_
_', '__eq__', '__format__', '__ge__', '__getattribute__', '__getitem__', '__gt_
_', '__hash__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len_
_', '__lt__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__',
'__reversed__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__subcl
asshook__', 'clear', 'copy', 'fromkeys', 'get', 'items', 'keys', 'pop', 'popite
m', 'setdefault', 'update', 'values']
```

In [4]:
```
d={'a':'b','c':'d'}
d.get('a')
```

Out[4]: 'b'

In [ ]:
```

```