225229142 SWETHA JENIFER

1,2,3,4,5

In [7]:

```
fruits={"apples":20,"bananas":50,"oranges":100}
print(fruits)
print(fruits.get("bananas"))
print(len(fruits))
if 'grapes' in fruits:
    print('yes')
else:
    print(0)
```

```
{'apples': 20, 'bananas': 50, 'oranges': 100}
50
3
0
```

6.PEARS

In [8]:

```
if 'pears' in fruits:
    print(fruits.get('pears'))
else:
    fruits["pears"]=10
print(fruits)
```

```
{'apples': 20, 'bananas': 50, 'oranges': 100, 'pears': 10}
```

In [9]:

```
sort_data=sorted(fruits.items())
sort_data_dict=dict(sort_data)
print(sort_data_dict)
```

```
{'apples': 20, 'bananas': 50, 'oranges': 100, 'pears': 10}
```

7.ASCEENDING ORDER

In [10]:

```
l=[]
for i in fruits:
    l.append(i)
l.sort()
print(l)
```

```
['apples', 'bananas', 'oranges', 'pears']
```

8.DESCENDING ORSDER

In [11]:

```
m=[]
for i in fruits.values():
    m.append(i)
m.sort(reverse=True)
print(m)
```

```
[100, 50, 20, 10]
```

9.REMOVE PEARS

In [12]:

```
print(fruits)
fruits.pop('pears',None)
print(fruits)
```

```
{'apples': 20, 'bananas': 50, 'oranges': 100, 'pears': 10}
{'apples': 20, 'bananas': 50, 'oranges': 100}
```

10.SHOW()

In [13]:

```
def show():
    for key,val in fruits.items():
        print('{}:{}'.format(key,val))
show()
```

```
apples:20
bananas:50
oranges:100
```

11.ADD_FRUIT(NAME,QUANTITY)

In [18]:

```
def add_fruits(name,quantity):
    fruits[name]=quantity
name=input('Enter fruit name:')
quantity=int(input('enter quantity:'))
add_fruits(name,quantity)
show()
```

```
Enter fruit name:cherry
enter quantity:30
apples:20
bananas:50
oranges:100
cherry:30
```

14.SHOW()

In [24]:

```
show()
```

```
apples:60
bananas:150
oranges:100
cherry:30
```

12,13

In [20]:

```
def add_fruits(fruits,name,quantity):
    fruits[name]=fruits.get(name,0)+quantity
add_fruits(fruits,'bananas',100)
add_fruits(fruits,'apples',40)
print(fruits)
```

```
{'apples': 60, 'bananas': 150, 'oranges': 100, 'cherry': 30}
```

15,16

In [22]:

```
import pickle
file=open("mypicklefile","wb")
pickle.dump(fruits,file)
file.close()
```

In [23]:

```
import pickle
frut_prc=open("mypicklefile","rb")
print(pickle.load(frut_prc))
```

```
{'apples': 60, 'bananas': 150, 'oranges': 100, 'cherry': 30}
```

In [25]:

```
#PROGRAM FOR TELEPHONE DIRECTORY MANAGEMENET
```

1

In [26]:

```
customers={}
n=int(input("No. of customers:"))
for i in range(n):
    a=input("Name: ")
    b=int(input("Phone No.: "))
    c=input("Emailid: ")
    key=a
    contacts=[b,c]
    customers[key]=contacts
    print('\n',customers)
```

```
No. of customers:3
Name: HARI
Phone No.: 8825779939
Emailid: hariprasath3290@gmai.com

 {'HARI': [8825779939, 'hariprasath3290@gmai.com']}
Name: josh
Phone No.: 9442719834
Emailid: josh2002@gmail.com

 {'HARI': [8825779939, 'hariprasath3290@gmai.com'], 'josh': [9442719834, 'jo
sh2002@gmail.com']}
Name: rolex
Phone No.: 8765432902
Emailid: rolex2002@gmail.com

 {'HARI': [8825779939, 'hariprasath3290@gmai.com'], 'josh': [9442719834, 'jo
sh2002@gmail.com'], 'rolex': [8765432902, 'rolex2002@gmail.com']}
```

3

In [27]:

```
if "rex" in customers:
    print(customers.get("rex"))
else:
    print("Not exists")
```

```
Not exists
```

4

In [28]:

```
customers.update({"rex":[9942002764,"rajkumar@bhc.edu"]})
print(customers)
```

```
{'HARI': [8825779939, 'hariprasath3290@gmai.com'], 'josh': [9442719834, 'jos
h2002@gmail.com'], 'rolex': [8765432902, 'rolex2002@gmail.com'], 'rex': [994
2002764, 'rajkumar@bhc.edu']}
```

5

In [30]:

```
for key,val in customers.items():
    print('{}:{}'.format(key,val))
```

```
HARI:[8825779939, 'hariprasath3290@gmai.com']
josh:[9442719834, 'josh2002@gmail.com']
rolex:[8765432902, 'rolex2002@gmail.com']
rex:[9942002764, 'rajkumar@bhc.edu']
```

6

In [32]:

```
l=[]
for i in customers.values():
    l.append(i)
print(l)
```

```
[[8825779939, 'hariprasath3290@gmai.com'], [9442719834, 'josh2002@gmail.co
m'], [8765432902, 'rolex2002@gmail.com'], [9942002764, 'rajkumar@bhc.edu']]
```

7

In [33]:

```
m=[]
for i in customers:
    m.append(i)
m.sort()
print(m)
```

```
['HARI', 'josh', 'rex', 'rolex']
```

8

In [34]:

```
print(len(customers))
```

```
4
```

9

In [35]:

```
print(customers)
customers.pop('rex',None)
print(customers)
```

```
{'HARI': [8825779939, 'hariprasath3290@gmai.com'], 'josh': [9442719834, 'jos
h2002@gmail.com'], 'rolex': [8765432902, 'rolex2002@gmail.com'], 'rex': [994
2002764, 'rajkumar@bhc.edu']}
{'HARI': [8825779939, 'hariprasath3290@gmai.com'], 'josh': [9442719834, 'jos
h2002@gmail.com'], 'rolex': [8765432902, 'rolex2002@gmail.com']}
```

In [ ]:

```

```