

```
In [ ]: #225229140
        #SURIYA S
        LAB7 EX.1
```

```
In [21]: #Lab:7
        #1
        fruits={'apples':20,'bananas':50,'oranges':100}

        print(fruits)

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

```
In [22]: #2
        for key,val in fruits.items():
            print(f"{key}->{val}")
```

```
apples->20
bananas->50
oranges->100
```

```
In [23]: #3
        print("There are",fruits.get('bananas'),'bananas')

There are 50 bananas
```

```
In [24]: #4
        print("No. of keys:",len(fruits))

No. of keys: 3
```

```
In [25]: #5
        if 'graphs' in fruits:
            print("Graphs is Available")
        else :
            print("Graphs is NOT Available")

Graphs is NOT Available
```

```
In [26]: #6
        if 'pears' in fruits:
            print("Pears is Available")
        else :
            fruits['pears']=10
            print(fruits)

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

```
In [27]: #7
print("Asending Order :")
for i in sorted(fruits):
    print(i)
```

Asending Order :
apples
bananas
oranges
pears

```
In [28]: #8
print("Desending Order :")
for i in reversed(fruits):
    print(i)
```

Desending Order :
pears
oranges
bananas
apples

```
In [29]: #9
fruits={'apples': 20, 'bananas': 50, 'oranges': 100, 'pears': 10}
del fruits["pears"]
print(fruits)
```

{'apples': 20, 'bananas': 50, 'oranges': 100}

```
In [30]: #10
def show():
    print(f'{fruits}')

#main:
show()
```

{'apples': 20, 'bananas': 50, 'oranges': 100}

```
In [31]: #11
def add_fruits(name,quant):
    fruits[name]=quant
name=input("enter fruit name : ")
quant=int(input("enter quantity : "))
add_fruits(name,quant)
show()
```

enter fruit name : saathukudi
enter quantity : 50
{'apples': 20, 'bananas': 50, 'oranges': 100, 'saathukudi': 50}

```
In [32]: #12
def add_fruits(fruits,name,quantity):
    fruits[name]=fruits.get(name,0)+quantity

#main:
add_fruits(fruits,'apples',40)
print(fruits)
```

```
{'apples': 60, 'bananas': 50, 'oranges': 100, 'saathukudi': 50}
```

```
In [33]: #13
#main:
add_fruits(fruits,'bananas',100)
print(fruits)
```

```
{'apples': 60, 'bananas': 150, 'oranges': 100, 'saathukudi': 50}
```

```
In [34]: #14
show()
```

```
{'apples': 60, 'bananas': 150, 'oranges': 100, 'saathukudi': 50}
```

```
In [35]: #15
import pickle
fruits={'apples':60,'bananas':150,'oranges':100}
file=open("mypicklefile","wb")
pickle.dump(fruits,file)
file.close()
```

```
In [37]: #16
import pickle
frut_prc=open("mypicklefile","rb")
fruits=pickle.load(frut_prc)
print(fruits)
```

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

```
In [39]: #225229140
#LAB:7 EX 2
```

```
In [5]: #1
customers={}
n=int(input("No. of customers:"))
for i in range(n):
    a=input("Name: ")
    b=int(input("Phone No.: "))
    c=input("Emailid: ")
    d=input("Continue or '(Type Done)' Over: ")
    if d=='done':
        break
    key=a
    contacts=[b,c]
    customers[key]=contacts
    print('\n',customers)
```

```
No. of customers:2
Name: rolex
Phone No.: 9887766554
Emailid: rolex@gmail.com
Continue or '(Type Done)' Over: yes

{'rolex': [9887766554, 'rolex@gmail.com']}
Name: suri
Phone No.: 9988766554
Emailid: suri@gmail.com
Continue or '(Type Done)' Over: done
```

```
In [6]: #2
if "rex" in customers:
    print(customers.get("rex"))
else:
    print("Not exists")
```

```
Not exists
```

```
In [9]: customers.update({"rex":[9942002764,"rajkumar@bhc.edu"]})
print(customers)
```

```
{'rolex': [9887766554, 'rolex@gmail.com'], 'rex': [9942002764, 'rajkumar@bhc.edu']}
```

```
In [10]: for key,val in customers.items():
    print(f"{key} : {val}")
```

```
rolex : [9887766554, 'rolex@gmail.com']
rex : [9942002764, 'rajkumar@bhc.edu']
```

```
In [13]: l=[]
for i in customers.values():
    l.append(i)
print(l)
```

```
[[9887766554, 'rolex@gmail.com'], [9942002764, 'rajkumar@bhc.edu']]
```

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

```
In [14]: m=[]  
         for i in customers:  
             m.append(i)  
         m.sort()  
         print(m)
```

```
['rex', 'rolex']
```

```
In [15]: print(len(customers))
```

```
2
```

```
In [17]: print(customers)  
         customers.pop('rex',None)  
         print(customers)
```

```
{'rolex': [9887766554, 'rolex@gmail.com'], 'rex': [9942002764, 'rajkumar@bhc.edu']}  
{'rolex': [9887766554, 'rolex@gmail.com']}
```

```
In [18]:
```

```
In [ ]:
```