DICTIONARY

Check Key Exist

```
d={'A':1,'B':2,'C':3}
k=input("Enter key to check:\n")
if k in d.keys():
    print('Key is present',end='')
    print(' and value of the key is:',d[k])
else:
    print("Key isn't present!")
```

Concatenate

```
d1={'A':1,'B':2}
d2={'C':3}
d1.update(d2)
print('Concatenated dictionary is:',d1)
```

Expression in (x,x*x)

```
n=int(input())
a={i:i*i for i in range(1,n+1)}
print(a)
```

Key value pair

```
a={}
k=int(input("Enter the key (int) to be added:"))
v=int(input("Enter the value for the key to be added:"))
a.update({k:v})
```

```
print("Updated dictionary is:",a)
```

Sum of all Items

```
a={'A':100,'B':540,'C':239}
sum=0
b=a.values()
for i in b:
    sum+=i
print('Total sum of values in the dictionary:',sum)
```

Map a dictionary

```
a=[]
b=[]
n=int(input('Enter number of elements for dictionary:'))
print('For keys:\n')
for i in range(1,n+1):
    a.append(int(input()))
print('For values:\n')
for i in range(1,n+1):
    b.append(int(input()))
x=zip(a,b)
print('The dictionary is:\n',dict(x))
```