

Q-->wap to get all the unique keys from a dictionary.

```
a={}
n=int(input("entre the size"))
for i in range(n):
    key=int(input())
    value=int(input())
    a.update({key:value})
b=[]
for i in a:
    if i not in b:
        b.append(i)
print(b)
```

#Q-->wap in python to merge two dictionaries.

```
a={}
size=int(input("enter the size"))
for i in range(0,size):
    x=int(input('enter the key'))
    y=int(input("enter the value"))
    a.update({x:y})
b={}
size=int(input("enter the size"))
for i in range(0,size):
    x=int(input('enter the key'))
    y=int(input("enter the value"))
    b.update({x:y})
b.update(a)
print(b)
```

#Q-->wap to find the sum of all values in a given dictionary.

```
a={}
size=int(input("enter the size"))
for i in range(0,size):
    x=int(input('enter the key'))
    y=int(input("enter the value"))
    a.update({x:y})
sum=0
for i in (a.values()):
    sum=sum+i
print('sum','=',sum)
```

Q-->wap in python to find the multiply of all the items in a dictionary.

```
a={}
size=int(input("enter the size"))
for i in range(0,size):
    x=int(input('enter the key'))
    y=int(input("enter the value"))
    a.update({x:y})
mul=1
for i in (a.values()):
    mul=mul*i
print(mul)
```

Q-->wap in python to map two lists into a dictionary.

```
key=input("enter the keys").split()
```

```
key=list(map(int,key))
value=input("enter the values").split()
value=list(map(int,value))
dict=dict(zip(key,value))
print(dict)
```

Q-->wap in python to remove a key from a dictionary.

```
a={}
size=int(input("enter the size"))
for i in range(0,size):
    x=int(input('enter the key'))
    y=int(input("enter the value"))
    a.update({x:y})
key=int(input("enter the key you want to delete"))
if key in a:
    a.pop(key)
    print(a)
else:
    print("key is not valid")
```

Q-->wap in python to replace a given key value pair in a dictionary.

```
a={}
size=int(input("enter the size :"))
for i in range(0,size):
    x=int(input("entre the key"))
    y=int(input("entre the value"))
    a[x]=y
key=int(input("enter the replacement key"))
a.pop(key)
key1=int(input("enter the key"))
value1=int(input('enter the value'))
a[key1]=value1
print(a)
```

#Q-->wap in python to display the keys of a dictionary in alphabetical order.

```
a={}
size=int(input("enter the size"))
for i in range(0,size):
    x=input('enter the key')
    y=input("enter the value")
    a.update({x:y})
for i in sorted(a.keys()):
    print(i,end=" ")
print()
```

Q--> wap to iterate over dictionaries using for loops.

```
dict1={}
size=int(input("enter size"))
for i in range(0,size):
    key=int(input())
    value=int(input())
    dict1.update({key:value})
dict2={}
size=int(input("enter size"))
for i in range(0,size):
```

```
key1=int(input())
value2=int(input())
dict2.update({key1:value2})
for i,j in dict2.items():
    dict1[i]=j
print(dict1)
```

Q-->wap to get the maximum and minimum value from a dictionary.

```
dict1={}
size=int(input("enter size"))
for i in range(0,size):
    key=int(input())
    value=int(input())
    dict1.update({key:value})
print(max(dict1.values()),' ',end="")
print(min(dict1.values()),' ',end="")
```