

In [1]:

```
#LIST
```

In [2]:

```
#1:Using For Loop
```

```
list=[1,3,5,7,9]
for i in list:
    print(i)
```

```
1
3
5
7
9
```

In [3]:

```
#2:For Loop and Range
```

```
list=[1,3,5,7,9]

for i in range(len(list)):
    print(list[i])
```

```
1
3
5
7
9
```

In [4]:

```
#3:Using While Loop
```

```
list=[1,3,5,7,9]
i=0
while i< len(list):
    print(list[i])
    i+=1
```

```
1
3
5
7
9
```

In [5]:



```
#4:Using List Comprehension
```

```
list=[1,3,5,7,9]  
[print(i) for i in list]
```

```
1  
3  
5  
7  
9
```

Out[5]:

```
[None, None, None, None, None]
```

In [6]:



```
#DICTIONARY
```

In [7]:



```
#ACCESS KEY USING THE BUILD .KEYS()
```

```
statesAndCapitals={  
    'Gujrat':'Gandhinagar',  
    'Maharashtra':'Mumbai',  
    'Rajasthan':'Jaipur',  
    'Bihar':'Patna',  
}  
  
keys= statesAndCapitals.keys()  
print(keys)
```

```
dict_keys(['Gujrat', 'Maharashtra', 'Rajasthan', 'Bihar'])
```

In [8]:



```
#ACCESS KEY WITHOUT USING A KEY()

statesAndCapitals = {
    'Gujrat':'Gandhinagar',
    'Maharashtra':'Mumbai',
    'Rajasthan':'Jaipur',
    'Bihar':'Patna',
}

print('list of given states:\n')
for state in statesAndCapitals:
    print(state)
```

list of given states:

Gujrat
Maharashtra
Rajasthan
Bihar

In [17]:



```
#ITERATE THROUGH ALL VALUES USING .VALUES()

statesAndCapitals = {
    'Gujrat':'Gandhinagar',
    'Maharashtra':'Mumbai',
    'Rajasthan':'Jaipur',
    'Bihar':'Patna',
}

print('list of given capitals:\n')
for capital in statesAndCapitals.values():
    print(capital)
```

list of given capitals:

Gandhinagar
Mumbai
Jaipur
Patna

In [18]:



```
#ITERATE THROUGH ALL KEY, AND VALUE PAIRS USING ITEMS()

statesAndCapitals = {
    'Gujrat':'Gandhinagar',
    'Maharashtra':'Mumbai',
    'Rajasthan':'Jaipur',
    'Bihar':'Patna',
}

print('list of given states and their capitals are:\n')
for state, capital in statesAndCapitals.items():
    print(state, ":", capital)
```

list of given states and their capitals are:

Gujrat : Gandhinagar
Maharashtra : Mumbai
Rajasthan : Jaipur
Bihar : Patna

In [19]:



```
#ACCESS BOTH KEY AND VALUE WITHOUT USING ITEMS

statesAndCapitals = {
    'Gujrat':'Gandhinagar',
    'Maharashtra':'Mumbai',
    'Rajasthan':'Jaipur',
    'Bihar':'Patna',
}

for i in statesAndCapitals:
    print(i, '->', statesAndCapitals[i])
```

Gujrat -> Gandhinagar
Maharashtra -> Mumbai
Rajasthan -> Jaipur
Bihar -> Patna

In [20]:



```
#PRINT ITEMS IN KEY-VALUE IN PAIR

statesAndCapitals = {
    'Gujrat':'Gandhinagar',
    'Maharashtra':'Mumbai',
    'Rajasthan':'Jaipur',
    'Bihar':'Patna',
}

keys=statesAndCapitals.items()
print(keys)
```

dict_items([('Gujrat', 'Gandhinagar'), ('Maharashtra', 'Mumbai'), ('Rajasthan', 'Jaipur'), ('Bihar', 'Patna')])

In []:

