

For Loop

```
In [2]: a=[2,3,4,5]
        for i in a:
            print(i)
```

2
3
4
5

For loop And Range

```
In [3]: a=[2,3,4,5]
        length=len(a)
        for i in range(length):
            print(a[i])
```

2
3
4
5

While Loop

```
In [4]: b=[2,4,6,8]
        length=len(b)
        i=0
        while i< length:
            print(b[i])
            i+=1
```

2
4
6
8

List comprehension

```
In [6]: c=[4,6,89,90]
        [print(i) for i in c]
```

```
4
6
89
90
```

```
Out[6]: [None, None, None, None]
```

Loops in Dictionary

Access keys using the build .key()

```
In [9]: d={2:"baseer", 3:"hello", 4:"melon"}
        keys=d.keys()
        print(keys)
```

```
dict_keys([2, 3, 4])
```

```
In [ ]:
```

Access key without using key()

In [1]:

```
a={"hi":"Baseer", "hello": "mayida", "bye": "navneet"}
print("keys in the dictionary are: \n")
for i in a:
    print(i)
```

keys in the dictionary are:

hi
hello
bye

iterate through all values using .values()

In [2]:

```
a={"hi":"Baseer", "hello": "mayida", "bye": "navneet"}
print("values in the dictionary are: \n")
for i in a.values():
    print(i)
```

values in the dictionary are:

Baseer
mayida
navneet

Iterate through all key, and value pairs using items()

In [5]:

```
a={"hi":"Baseer", "hello": "mayida", "bye": "navneet"}
print("The elements in the dictionary are: \n")
for x,y in a.items():
    print(x,":",y)
```

The elements in the dictionary are:

hi : Baseer
hello : mayida
bye : navneet

Access elements without using items()

In [6]:

```
a={"hi":"Baseer", "hello": "mayida", "bye": "navneet"}
print("values in the dictionary are: \n")
for i in a:
    print(i,"->",a[i])
```

values in the dictionary are:

```
hi -> Baseer
hello -> mayida
bye -> navneet
```

Print items in Key-Value in pair

In [7]:

```
a={"hi":"Baseer", "hello": "mayida", "bye": "navneet"}
keys=a.items()
print(keys)
```

```
dict_items([('hi', 'Baseer'), ('hello', 'mayida'), ('bye', 'navneet')])
```

In []: