



Important functions of List:

I. To get information about list:

1. len():

returns the number of elements present in the list

Eg: n=[10,20,30,40]
print(len(n))==>4

2. count():

It returns the number of occurrences of specified item in the list

```
1) n=[1,2,2,2,2,3,3]
2) print(n.count(1))
3) print(n.count(2))
4) print(n.count(3))
5) print(n.count(4))
6)
7) Output
8) D:\Python_classes>py test.py
9) 1
10) 4
11) 2
12) 0
```

3. index() function:

returns the index of first occurrence of the specified item.

Eg:

```
1) n=[1,2,2,2,2,3,3]
2) print(n.index(1)) ==>0
3) print(n.index(2)) ==>1
4) print(n.index(3)) ==>5
5) print(n.index(4)) ==>ValueError: 4 is not in list
```

Note: If the specified element not present in the list then we will get ValueError. Hence before index() method we have to check whether item present in the list or not by using in operator.

print(4 in n)==>False