Note:

Whenever we are using comparison operators(==,!=) for List objects then the following should be considered
   1. The number of elements
   2. The order of elements
   3. The content of elements (case sensitive)

Note: When ever we are using relatational operators(<,<=,>,>=) between List objects,only first element comparison will be performed.

Eg:

```
1.  x=[50,20,30]
2.  y=[40,50,60,100,200]
3.  print(x>y)  True
4.  print(x>=y)  True
5.  print(x<y)    False
6.  print(x<=y)  False
```

Eg:

```
1.  x=["Dog","Cat","Rat"]
2.  y=["Rat","Cat","Dog"]
3.  print(x>y)  False
4.  print(x>=y) False
5.  print(x<y)    True
6.  print(x<=y)  True
```

Membership operators:

We can check whether element is a member of the list or not by using memebership operators.

in operator
not in operator

Eg:

```
1.  n=[10,20,30,40]
2.  print (10 in n)
3.  print (10 not in n)
4.  print (50 in n)
5.  print (50 not in n)
6.
7.  Output
```