



```
7)
8) Output
9) D:\Python_classes>py test.py
10) [3, 5, 7]
11) [5, 7, 9]
12) [4, 5, 6, 7]
13) [9, 7, 5]
14) [5, 6, 7, 8, 9, 10]
```

List vs mutability:

Once we create a List object, we can modify its content. Hence List objects are mutable.

Eg:

```
1) n=[10,20,30,40]
2) print(n)
3) n[1]=777
4) print(n)
5)
6) D:\Python_classes>py test.py
7) [10, 20, 30, 40]
8) [10, 777, 30, 40]
```

Traversing the elements of List:

The sequential access of each element in the list is called traversal.

1. By using while loop:

```
1) n=[0,1,2,3,4,5,6,7,8,9,10]
2) i=0
3) while i<len(n):
4)     print(n[i])
5)     i=i+1
6)
7) D:\Python_classes>py test.py
8) 0
9) 1
10) 2
11) 3
12) 4
13) 5
14) 6
15) 7
16) 8
17) 9
```