```
6)   D:\Python_classes>py test.py
7)   [999, 1, 2, 3, 4, 5, 777]
```

Note: If the specified index is greater than max index then element will be inserted at last position. If the specified index is smaller than min index then element will be inserted at first position.

Differences between append() and insert()

append()	insert()
In List when we add any element it will come in last i.e. it will be last element.	In List we can insert any element in particular index number

3. extend() function:

To add all items of one list to another list

l1.extend(l2)
   all items present in l2 will be added to l1

Eg:

```
1)   order1=["Chicken","Mutton","Fish"]
2)   order2=["RC","KF","FO"]
3)   order1.extend(order2)
4)   print(order1)
5)
6)   D:\Python_classes>py test.py
7)   ['Chicken', 'Mutton', 'Fish', 'RC', 'KF', 'FO']
```

Eg:

```
1)   order=["Chicken","Mutton","Fish"]
2)   order.extend("Mushroom")
3)   print(order)
4)
5)   D:\Python_classes>py test.py
6)   ['Chicken', 'Mutton', 'Fish', 'M', 'u', 's', 'h', 'r', 'o', 'o', 'm']
```

4. remove() function:

We can use this function to remove specified item from the list.If the item present multiple times then only first occurrence will be removed.