```
l=[10,20,30,40,50]
l1=[10,20,30,40,50, True, 10+5j]

print(l)
print(l1)
```

```
[10, 20, 30, 40, 50]
[10, 20, 30, 40, 50, True, (10+5j)]
```

```
l.append([50,90,70]) #add ele at last
l
```

```
[10, 20, 30, 40, 50, [50, 90, 70]]
```

```
for i in l:
    print(i)
```

```
10
20
30
40
50
[50, 90, 70]
```

```
l.remove(40) #remove ele directly
l
```

```
[10, 20, 30, 50, [50, 90, 70]]
```

```
l.pop(-1) #remove ele index wise
```

```
[50, 90, 70]
```

```
l
```

```
[10, 20, 30, 50]
```

```
l.insert(3,35) #here 3 is the index num before which we want to add
any ele and 35 is the ele which I added
```

```
l
```

```
[10, 20, 30, 35, 50]
```

```
l.extend(l1)
```

```
l
```

```
[10, 20, 30, 35, 50, 10, 20, 30, 40, 50, True, (10+5j)]
```

```
l.pop(-1)
```

```
(10+5j)
```

```
l.pop(-1)
```

```
50
```

```
l
```

```
[True, 10, 10, 20, 20, 30, 30, 35, 40]
```

```
l.remove(True)
```

```
l
```

```
[10, 10, 20, 20, 30, 30, 35, 40]
```

```
l.sort(reverse=True)
l
```

```
[40, 35, 30, 30, 20, 20, 10, 10]
```

```
l.sort()
```

```
l
```

```
[10, 10, 20, 20, 30, 30, 35, 40]
```

```
l.reverse()
l
```

```
[10, 10, 20, 20, 30, 30, 35, 40]
```

```
l3=[]
```

```
l3.append('Mrunal')
l3
```

```
['Mrunal']
```

```
l3.append(['Sia','Rekha','Puja'])
l3
```

```
['Mrunal', ['Sia', 'Rekha', 'Puja']]
```

```
l3.insert(4,2) # Add item at index location 4
l3
```

```
['Mrunal', ['Sia', 'Rekha', 'Puja'], 2]
```

LIST SLICING

```
mylist = ['one' , 'two' , 'three' , 'four' , 'five' , 'six' ,
'seven' , 'eight']
```

```
mylist[:]
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
mylist[0:5]
```

```
['one', 'two', 'three', 'four', 'five']
```

```
mylist[:4]
```

```
['one', 'two', 'three', 'four']
```

```
mylist[-3:-1]
```

```
['six', 'seven']
```

COPY LIST

```
mylist_new=mylist
```

```
mylist_new
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
id(mylist_new), id(mylist_new)
```

```
(1993841721856, 1993841721856)
```

```
mylist_new[0]
```

```
'one'
```

JOIN LIST

```
list1=['Ria','Sia','Pia']
list2=['Neha','Reema','Seema']
```

```
list3=list1+list2
```

```
list3
```

```
['Ria', 'Sia', 'Pia', 'Neha', 'Reema', 'Seema']
```

LIST MEMBERSHIP

```
mylist_new
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
'four' in mylist_new
```

```
True
```

```
'Sia' in mylist_new
```

```
False
```

```
if 'six' in mylist_new:
    print('Yes it is present')
else:
    print('No it is not present')
```

```
Yes it is present
```

ALL/ ANY

```
new=[2,3,4,5,6,7,0]
```

```
all(new)
```

```
False
```

```
any(new)
```

```
True
```