

Insert

Pop

Remove

Reverse

Sort

```
In [11]: l=[100,30,40,50,'nov','dec',50]  
1
```

```
Out[11]: [100, 30, 40, 50, 'nov', 'dec', 50]
```

```
In [12]: 1
```

```
Out[12]: [100, 30, 40, 50, 'nov', 'dec', 50]
```

```
In [17]: l.append(30)  
l.append(40)
```

```
In [18]: 1
```

```
Out[18]: [100, 30, 40, 50, 'nov', 'dec', 50, 3, 3, 30, 40]
```

```
In [19]: 1
```

```
Out[19]: [100, 30, 40, 50, 'nov', 'dec', 50, 3, 3, 30, 40]
```

```
In [20]: l.remove(3)
```

```
In [21]: 1
```

```
Out[21]: [100, 30, 40, 50, 'nov', 'dec', 50, 3, 30, 40]
```

```
In [22]: l.remove(3)
```

```
In [23]: 1
```

```
Out[23]: [100, 30, 40, 50, 'nov', 'dec', 50, 30, 40]
```

```
In [24]: l.insert(2,90)
```

```
In [25]: l
```

```
Out[25]: [100, 30, 90, 40, 50, 'nov', 'dec', 50, 30, 40]
```

```
In [27]: l.append([1,2,3])
```

```
In [28]: l
```

```
Out[28]: [100, 30, 90, 40, 50, 'nov', 'dec', 50, 30, 40, [1, 2, 3]]
```

```
In [42]: l
```

```
Out[42]: [100, 30, 90, 40, 50, 'nov']
```

```
In [43]: l.pop()
```

```
Out[43]: 'nov'
```

```
In [55]: l1=[20,3.4,'python',True,3+5j]
```

```
In [59]: l1
```

```
Out[59]: [20, 3.4, 'python', True, (3+5j), 100, 30, 90, 40, 50]
```

```
In [61]: l1.pop()
```

```
Out[61]: 50
```

```
In [62]: l1.remove(True)
```

```
In [63]: l1
```

```
Out[63]: [20, 3.4, 'python', (3+5j), 100, 30, 90, 40]
```

```
In [64]: l1.remove(30)
```

```
In [65]: l1
```

```
Out[65]: [20, 3.4, 'python', (3+5j), 100, 90, 40]
```

```
In [66]: l2=[100,56,79,2000,2,3]  
l2
```

```
Out[66]: [100, 56, 79, 2000, 2, 3]
```

```
In [67]: l2.sort()
```

```
In [68]: l2
```

Out[68]: [2, 3, 56, 79, 100, 2000]

In [69]: `l2.sort(reverse=True)`

In [70]: `l2`

Out[70]: [2000, 100, 79, 56, 3, 2]

In [71]: `l3=[4,7,8,True,'five',4+6j]`

In [72]: `l3`

Out[72]: [4, 7, 8, True, 'five', (4+6j)]

In [73]: `l3.sort()` *# it will not execute because variable are not same*

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[73], line 1  
----> 1 l3.sort()  
  
TypeError: '<' not supported between instances of 'str' and 'int'
```

In [78]: `l4=['z','p','a','b','c','d','e','f']`

In [79]: `l4`

Out[79]: ['z', 'p', 'a', 'b', 'c', 'd', 'e', 'f']

In [80]: `l4.sort()`

In [81]: `l4`

Out[81]: ['a', 'b', 'c', 'd', 'e', 'f', 'p', 'z']

In [82]: `l4.sort(reverse=True)`

In [83]: `l4`

Out[83]: ['z', 'p', 'f', 'e', 'd', 'c', 'b', 'a']

In [84]: `l1.reverse()`

In [104... `l1`

Out[104... [40, 90, 100, (3+5j), 'python', 3.4, 20]

In [105... `l1.sort()`

In [106... `l1`

Out[106... [30, 40, 50, 90, 100]

In [109... 11

Out[109... [40, 90, 100, (3+5j), 'python', 3.4, 20]

```
In [114... print(l1[0])
print(l1[1])
print(l1[2])
print(l1[3])
print(l1[4])
print(l1[5])
print(l1[6])
```

40
90
100
(3+5j)
python
3.4
20

```
In [116... for i in l1 :
    print(i)
```

40
90
100
(3+5j)
python
3.4
20

In [119... l1[4]

Out[119... 'python'

```
In [120... print(l1[4][0])
print(l1[4][1])
print(l1[4][2])
print(l1[4][3])
print(l1[4][4])
print(l1[4][5])
```

p
y
t
h
o
n

```
In [121... for i in l:
    print(i)
```

```
30
40
50
90
100
```

```
In [122... for i in l2:
            print(i)
```

```
2000
100
79
56
3
2
```

```
In [123... for i in l4:
            print(i)
```

```
z
p
f
e
d
c
b
a
```

```
In [124... for i in enumerate(l4):
            print(i)
```

```
(0, 'z')
(1, 'p')
(2, 'f')
(3, 'e')
(4, 'd')
(5, 'c')
(6, 'b')
(7, 'a')
```

```
In [ ]:
```