

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]: 12.sort(reverse=True)
```

```
In [70]: 12
```

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

```
In [71]: 13=[4,7,8,True,'five',4+6j]
```

```
In [72]: 13
```

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

```
In [73]: 13.sort() # it will not execute because variable are not same
```

```
-----  
TypeError  
Cell In[73], line 1  
----> 1 13.sort()  
  
TypeError: '<' not supported between instances of 'str' and 'int'
```

Traceback (most recent call last)

```
In [78]: 14=['z','p','a','b','c','d','e','f']
```

```
In [79]: 14
```

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

```
In [80]: 14.sort()
```

```
In [81]: 14
```

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

```
In [82]: 14.sort(reverse=True)
```

```
In [83]: 14
```

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

```
In [84]: 11.reverse()
```

```
In [104...]: 11
```

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

```
In [105...]: 1.sort()
```

```
In [106...]: 1
```

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

```
In [109... l1
```

```
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 l1:
    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 [ ]:
```