

[#15](#)-May-2025#

```
In [8]: lst=[]  
print("hi")
```

hi

```
In [9]: print(len(lst))  
  
0
```

```
In [10]: lst.append(10)
```

```
In [11]: lst
```

```
Out[11]: [10]
```

```
In [12]: lst.append(10)  
lst.append(20)  
lst.append(30)  
lst.append(40)  
lst.append(50)
```

```
In [14]: lst
```

```
Out[14]: [10, 10, 20, 30, 40, 50]
```

```
In [15]: lst.append(70)
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[15], line 1  
----> 1 lst.append(70,80)  
  
TypeError: list.append() takes exactly one argument (2 given)
```

```
In [16]: l1=[]
```

```
In [18]: l1.append(12)  
l1.append(12.4)  
l1.append('Aditya')  
l1.append(12+12j)
```

```
In [19]: l1
```

```
Out[19]: [12, 12.4, 'Aditya', (12+12j)]
```

```
In [20]: type(l1)
```

```
Out[20]: list
```

```
In [23]: for i in li:
          print(i)
```

```
12
12.4
Aditya
(12+12j)
[10, 20, 30]
```

```
In [22]: l1.append([10,20,30])
```

```
In [25]: for i in enumerate(l1):
          print(i)
```

```
(0, 12)
(1, 12.4)
(2, 'Aditya')
(3, (12+12j))
(4, [10, 20, 30])
```

```
In [27]: l1[:]
```

```
Out[27]: [12, 12.4, 'Aditya', (12+12j), [10, 20, 30]]
```

```
In [28]: l1[0]
```

```
Out[28]: 12
```

```
In [29]: l1[-1]
```

```
Out[29]: [10, 20, 30]
```

```
In [30]: l1[-2]
```

```
Out[30]: (12+12j)
```

```
In [31]: l1[-3]
```

```
Out[31]: 'Aditya'
```

```
In [32]: l1[-4]
```

```
Out[32]: 12.4
```

```
In [33]: l1[-5]
```

```
Out[33]: 12
```

```
In [34]: del l1[0]
```

```
In [35]: l1
```

```
Out[35]: [12.4, 'Aditya', (12+12j), [10, 20, 30]]
```

```
In [40]: l1[2]
```

```
Out[40]: (12+12j)
```

```
In [41]: l1[1:2]
```

```
Out[41]: ['Aditya']
```

```
In [42]: l2=[10,20,30,40,50,50]  
l2
```

```
Out[42]: [10, 20, 30, 40, 50, 50]
```

```
In [43]: l2[1:4]
```

```
Out[43]: [20, 30, 40]
```

```
In [44]: l2[0:4]
```

```
Out[44]: [10, 20, 30, 40]
```

```
In [45]: l2[1:5]
```

```
Out[45]: [20, 30, 40, 50]
```

```
In [ ]:
```