

List

.append .copy .clear .remove .insert .pop .sort .index .slicing .reverse .count

```
In [1]: l=[]  
l
```

```
Out[1]: []
```

```
In [2]: type (l)
```

```
Out[2]: list
```

```
In [3]: len (l)
```

```
Out[3]: 0
```

```
In [4]: l1=[2,4,1,7,8]  
l1
```

```
Out[4]: [2, 4, 1, 7, 8]
```

```
In [5]: l1.append(10)
```

```
In [10]: l1
```

```
Out[10]: [2, 4, 1, 7, 8, 10]
```

```
In [11]: l=l1.copy()
```

```
In [12]: l
```

```
Out[12]: [2, 4, 1, 7, 8, 10]
```

```
In [13]: l.clear()
```

```
In [14]: l
```

```
Out[14]: []
```

```
In [15]: len (l)
```

```
Out[15]: 0
```

```
In [17]: l=l1.copy()  
l
```

```
Out[17]: [2, 4, 1, 7, 8, 10]
```

```
In [18]: l.append(2)
```

```
In [19]: l
```

Out[19]: [2, 4, 1, 7, 8, 10, 2]

In [20]: `l.count(2)`

Out[20]: 2

In [21]: `l.count(4)`

Out[21]: 1

In [22]: `l.extend([1])`

In [23]: `l`

Out[23]: [2, 4, 1, 7, 8, 10, 2, 2, 4, 1, 7, 8, 10]

In [24]: `2 in l`

Out[24]: True

In [25]: `0 in l`

Out[25]: False

In [26]: `l.insert(0,5)`

In [27]: `l`

Out[27]: [5, 2, 4, 1, 7, 8, 10, 2, 2, 4, 1, 7, 8, 10]

In [28]: `l.insert(6,9)`

In [29]: `l`

Out[29]: [5, 2, 4, 1, 7, 8, 9, 10, 2, 2, 4, 1, 7, 8, 10]

In [30]: `l.remove(1)`

In [31]: `l`

Out[31]: [5, 2, 4, 7, 8, 9, 10, 2, 2, 4, 1, 7, 8, 10]

In [32]: `l.remove(2)`

In [33]: `l`

Out[33]: [5, 4, 7, 8, 9, 10, 2, 2, 4, 1, 7, 8, 10]

In [35]: `l.pop()`

Out[35]: 10

In [37]: `l.pop(6)`

Out[37]: 2

In [38]: `l.sort()`

In [39]: `l`

Out[39]: [1, 2, 4, 4, 5, 7, 8, 8, 9, 10]

In [40]: `l.sort(reverse=True)`

In [41]: `l`

Out[41]: [10, 9, 8, 8, 7, 5, 4, 4, 2, 1]

In [44]: `l[0]=5`

In [45]: `l`

Out[45]: [5, 9, 8, 8, 7, 5, 4, 4, 2, 1]

In [46]: `l[:]`

Out[46]: [5, 9, 8, 8, 7, 5, 4, 4, 2, 1]

In [47]: `l[2:]`

Out[47]: [8, 8, 7, 5, 4, 4, 2, 1]

In [49]: `l[:2]`

Out[49]: [5, 9]

In [50]: `l[2:7]`

Out[50]: [8, 8, 7, 5, 4]

In [51]: `l`

Out[51]: [5, 9, 8, 8, 7, 5, 4, 4, 2, 1]

In [52]: `l[-3:]`

Out[52]: [4, 2, 1]

In [53]: `l[:-3]`

Out[53]: [5, 9, 8, 8, 7, 5, 4]

In [54]: `l.reverse()`

In [55]: `l`

Out[55]: [1, 2, 4, 4, 5, 7, 8, 8, 9, 5]

In []: