

11th Nov

List

```
In [6]: 15 = []  
15
```

```
Out[6]: []
```

```
In [10]: 15.append(10)  
15.append(20)  
15.append(30)  
15.append('nit')  
15.append(True)  
15.append(1+2j)
```

```
In [12]: 15
```

```
Out[12]: [10, 20, 30, 'nit', True, (1+2j)]
```

```
In [14]: len(15)
```

```
Out[14]: 6
```

```
In [18]: for i in 15:  
        print(i)
```

```
10  
20  
30  
nit  
True  
(1+2j)
```

```
In [20]: 15.remove(True)
```

```
In [22]: 15
```

```
Out[22]: [10, 20, 30, 'nit', (1+2j)]
```

```
In [24]: 15.append(10)
```

```
In [26]: 15
```

```
Out[26]: [10, 20, 30, 'nit', (1+2j), 10]
```

```
In [30]: 15.remove(10)
```

```
In [32]: 15
```

```
Out[32]: [20, 30, 'nit', (1+2j), 10]
```

```
In [34]: 16 = 15.copy()
```

```
In [36]: 16
```

```
Out[36]: [20, 30, 'nit', (1+2j), 10]
```

```
In [38]: 15.pop()
```

```
Out[38]: 10
```

```
In [40]: 15
```

```
Out[40]: [20, 30, 'nit', (1+2j)]
```

```
In [42]: 16
```

```
Out[42]: [20, 30, 'nit', (1+2j), 10]
```

```
In [44]: 16.pop(2)
```

```
Out[44]: 'nit'
```

```
In [46]: 16
```

```
Out[46]: [20, 30, (1+2j), 10]
```

```
In [50]: 16.append(5.6)
16.append('nit')
16.append(True)
16.append(1+5j)
```

```
In [52]: 16
```

```
Out[52]: [20, 30, (1+2j), 10, 5.6, 'nit', True, (1+5j)]
```

```
In [54]: 16[-1] = 200
```

```
In [56]: 16
```

```
Out[56]: [20, 30, (1+2j), 10, 5.6, 'nit', True, 200]
```

```
In [58]: 16[0:10:2]
```

```
Out[58]: [20, (1+2j), 5.6, True]
```

* compile time error run time error zero division error

```
In [62]: 16.count(20)
```

Out[62]: 1

In [64]: 15

Out[64]: [20, 30, 'nit', (1+2j)]

In [66]: 16

Out[66]: [20, 30, (1+2j), 10, 5.6, 'nit', True, 200]

In [72]: 17 = []

In [76]: 17 = 17.extend(16)

In [78]: 16

Out[78]: [20, 30, (1+2j), 10, 5.6, 'nit', True, 200]

In [80]: 16.reverse()

In [82]: 16

Out[82]: [200, True, 'nit', 5.6, 10, (1+2j), 30, 20]

In [84]: 16.insert(1,20)

In [86]: 16

Out[86]: [200, 20, True, 'nit', 5.6, 10, (1+2j), 30, 20]

In [95]: 17 = [20,43,54,76]

In [97]: 17.sort(reverse=True)

In [99]: 17

Out[99]: [76, 54, 43, 20]

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