

✓ DataStruture - User will define the value more than one

- List
- Tuple
- Set
- Dict

```
l = []  
l
```

↔ []

```
len(l)
```

↔ 0

```
l.append(10)  
l
```

↔ [10]

```
len(l)
```

↔ 1

```
l
```

↔ [10]

```
l.append(20)  
l.append(30)  
l.append(40)  
l.append(40)
```

```
l
```

↔ [10, 20, 30, 40, 40]

```
len(l)
```

↔ 5

```
l
```

↔ [10, 20, 30, 40, 40]

```
id(l)
```

↔ 136145127524480

```
print(type(l))
```

↔ <class 'list'>

```
import keyword  
keyword.kwlist
```

↔ ['False',
 'None',
 'True',
 'and',
 'as',
 'assert',
 'async',
 'await',
 'break',
 'class',
 'continue',
 'def',
 'del',
 'elif',
 'else',

```
'except',  
'finally',  
'for',  
'from',  
'global',  
'if',  
'import',  
'in',  
'is',  
'lambda',  
'nonlocal',  
'not',  
'or',  
'pass',  
'raise',  
'return',  
'try',  
'while',  
'with',  
'yield']
```

```
len(keyword.kwlist)
```

```
↔ 35
```

```
l
```

```
↔ [10, 20, 30, 40, 40]
```

```
l[:]
```

```
↔ [10, 20, 30, 40, 40]
```

```
l[0]
```

```
↔ 10
```

```
l[1]
```

```
↔ 20
```

```
l[-3]
```

```
↔ 30
```

```
l
```

```
↔ [10, 20, 30, 40, 40]
```

```
l1 = l.copy()
```

```
l1
```

```
↔ [10, 20, 30, 40, 40]
```

```
l == l1
```

```
↔ True
```

```
print(len(l))
```

```
print(len(l1))
```

```
↔ 5  
5
```

```
l1
```

```
↔ [10, 20, 30, 40, 40]
```

```
l1.append(2.3)
```

```
l1.append(True)
```

```
l1.append(1+2j)
```

```
l1
```

```
↔ [10, 20, 30, 40, 40, 2.3, True, (1+2j)]
```

```
l1.append(50)
```

```
l1
```

```
[10, 20, 30, 40, 40, 2.3, True, (1+2j), 50]
```

```
l
```

```
[10, 20, 30, 40, 40]
```

```
l.count(10)
```

```
1
```

```
l.count(40)
```

```
2
```

```
l.count(100)
```

```
0
```

```
l
```

```
[10, 20, 30, 40, 40]
```

```
l1
```

```
[10, 20, 30, 40, 40, 2.3, True, (1+2j), 50]
```

```
l2 = l1.copy()
```

```
l2
```

```
[10, 20, 30, 40, 40, 2.3, True, (1+2j), 50]
```

```
l2.remove(True)
```

```
l2
```

```
[10, 20, 30, 40, 40, 2.3, (1+2j), 50]
```

```
l2.remove(1+2j)
```

```
l2
```

```
[10, 20, 30, 40, 40, 2.3, 50]
```

```
l2.clear()
```

```
l2
```

```
[]
```

```
del l2
```

```
l2
```

```
-----  
NameError                                Traceback (most recent call last)  
<ipython-input-47-ea320d2ace30> in <cell line: 0>()  
----> 1 l2  
  
NameError: name 'l2' is not defined
```

```
x = 2
```

```
x
```

 2

_ + 2

 4

_ + 2

 6

_ + 7

 13

Start coding or [generate](#) with AI.