Datastruture - user will define the value more then one list tuple set dict

In [6]:
```
1 = []
```

```
  Cell In[6], line 1
    1 = []
    ^
SyntaxError: cannot assign to literal here. Maybe you meant '==' instead of '='?
```

In [8]:
```
l = []
```

In [12]:
```
l = [ 3 ]
```

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

In [16]:
```
l
```

Out[16]: []

In [18]:
```
len(l)
```

Out[18]: 0

In [20]:
```
l.append(6)
```

In [22]:
```
l
```

Out[22]: [6]

In [24]:
```
l.append(20)
l.append(30)
l.append(40)
l.append(40)
```

In [26]:
```
l
```

Out[26]: [6, 20, 30, 40, 40]

In [28]:
```
id(l)
```

Out[28]: 2270828882048

In [30]:
```
print(type(l))
```

```
<class 'list'>
```

In [32]:
```
import keyword
keyword.kwlist
```

Out[32]:
```
['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']
```

In [34]:
```
len(keyword.kwist)
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[34], line 1
----> 1 len(keyword.kwist)

AttributeError: module 'keyword' has no attribute 'kwist'
```

In [36]:
```
len(keyword.kwlist)
```

Out[36]:
```
35
```

In [38]:
```
l
```

Out[38]:
```
[6, 20, 30, 40, 40]
```

In [40]:
```
l[:]
```

Out[40]: [6, 20, 30, 40, 40]

In [42]:
```
l[-1]
```

Out[42]: 40

In [44]:
```
l[-4]
```

Out[44]: 20

In [46]:
```
l[-100]
```

```
---------------------------------------------------------------------------
IndexError                                Traceback (most recent call last)
Cell In[46], line 1
----> 1 l[-100]

IndexError: list index out of range
```

In [48]:
```
l1 = l.copy()
```

In [50]:
```
l1
```

Out[50]: [6, 20, 30, 40, 40]

In [52]:
```
l == l1
```

Out[52]: True

In [54]:
```
l1.append(2.3)
l1.append(True)
l1.append(1+2j)
```

In [56]:
```
l1
```

Out[56]: [6, 20, 30, 40, 40, 2.3, True, (1+2j)]

In [58]:
```
l1.append(50)
```

In [60]:
```
l1
```

Out[60]: [6, 20, 30, 40, 40, 2.3, True, (1+2j), 50]

In [62]:
```
l1.count(40)
```

Out[62]: 2

In [64]:
```
l1.remove(40)
```

In [66]:
```
l1
```

Out[66]: [6, 20, 30, 40, 2.3, True, (1+2j), 50]

In [68]:
```
l2 = l1.copy()
```

In [70]:
```
l2
```

Out[70]:
```
[6, 20, 30, 40, 2.3, True, (1+2j), 50]
```

In [72]:
```
l2.clear()
```

In [74]:
```
l2
```

Out[74]:
```
[]
```

In [76]:
```
del l2
```

In [78]:
```
l2
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[78], line 1
----> 1 l2

NameError: name 'l2' is not defined
```

In [ ]: