```
In [32]:  l=[]
          l
```

Out[32]: []

```
In [ ]:
```

```
In [33]:  type(l)
```

Out[33]: list

```
In [34]:  print(type(l))
```

<class 'list'>

```
In [35]:  l
```

Out[35]: []

```
In [36]:  l.append(11)
          l
```

Out[36]: [11]

```
In [37]:  len(l)
```

Out[37]: 1

```
In [38]:  l.append(22)
          l.append(33)
          l.append(44)
          l.append(55)
          l
```

Out[38]: [11, 22, 33, 44, 55]

```
In [39]:  len(l)
```

Out[39]: 5

```
In [40]:  l.apend(6,7)
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[40], line 1
----> 1 l.apend(6,7)

AttributeError: 'list' object has no attribute 'apend'
```

```
In [ ]:  l.append(11)
```

```
In [ ]: l
```

Out[ ]: [11, 22, 33, 44, 55, 11]

```
In [ ]: l
```

Out[ ]: [11, 22, 33, 44, 55, 11]

```
In [ ]: l[0]
```

Out[ ]: 11

```
In [ ]: print(l[1])
        print(l[4])
```

22
55

```
In [ ]: l[-5]
```

Out[ ]: 22

```
In [ ]: l[-1]=66
        l
```

Out[ ]: [11, 22, 33, 44, 55, 66]

```
In [ ]:
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[5], line 1
----> 1 l.count

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

```
In [ ]: l[0]
```

Out[ ]: 11

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

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

Out[ ]: [11, 22, 33, 44, 55]

```
In [ ]: print(l)
        print(l1)
```

[11, 22, 33, 44, 55]
[11, 22, 33, 44, 55]

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

Out[ ]: True

```
In [ ]: id(l)==id(l1)
```

Out[ ]: False

```
In [ ]: id(l)!=id(l1)
```

Out[ ]: True

```
In [ ]: l.append(22)
```

```
In [ ]: l.count(22)
```

Out[ ]: 2

```
In [ ]: l.count(55)
```

Out[ ]: 1

```
In [ ]: l.count(1)
```

Out[ ]: 0

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

Out[ ]: 6

```
In [ ]: l
```

Out[ ]: [11, 22, 33, 44, 55, 22]

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

```
In [ ]: l
```

Out[ ]: []

```
In [ ]: l1
```

Out[ ]: [11, 22, 33, 44, 55]

```
In [ ]: del l1
```

```
In [ ]: l1
```

```
---------------------------------------------------------------------------
NameError                                  Traceback (most recent call last)
Cell In[38], line 1
----> 1 l1

NameError: name 'l1' is not defined
```

In [ ]: `l`

Out[ ]: `[]`

In [ ]:
```python
l.append(22)
l.append(33)
l.append(44)
l.append(55)
l
```

Out[ ]: `[22, 33, 44, 55]`

In [ ]:
```python
l2=[]
l2
```

Out[ ]: `[]`

In [ ]:
```python
l2.append(3)
l2.append('python')
l2.append(True)
l2.append(1+5j)
l2.append(9.3)
l2
```

Out[ ]: `[3, 'python', True, (1+5j), 9.3]`

In [ ]: `l2[3]`

Out[ ]: `(1+5j)`

In [ ]: `l2[1]`

Out[ ]: `'python'`

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

Out[ ]: `'o'`

In [ ]: `l2[1][0]`

Out[ ]: `'p'`

In [ ]: `l2[1]`

```
Out[ ]:  'python'
```

```
In [ ]:  print(l2[1][0])
         print(l2[1][1])
         print(l2[1][2])
         print(l2[1][3])
         print(l2[1][4])
         print(l2[1][5])
```

```
p
y
t
h
o
n
```

```
In [ ]:  l
```

```
Out[ ]:  [11, 22, 33, 44, 55]
```

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

```
Out[ ]:  [11, 22, 33, 44, 55]
```

```
In [ ]:  l[1:4]
```

```
Out[ ]:  [22, 33, 44]
```

```
In [ ]:  l
```

```
Out[ ]:  [11, 22, 33, 44, 55]
```

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

```
Out[ ]:  [11, 22, 33, 44, 55]
```

```
In [ ]:  l[0:6:2]
```

```
Out[ ]:  [11, 33, 55]
```

```
In [45]:  l2=[]
          l2
```

```
Out[45]:  []
```

```
In [46]:  l2.append(3)
          l2.append('python')
          l2.append(True)
          l2.append(1+5j)
          l2.append(9.3)
          l2
```

```
Out[46]: [3, 'python', True, (1+5j), 9.3]

In [47]: l2

Out[47]: [3, 'python', True, (1+5j), 9.3]

In [48]: l2[1:6:2]

Out[48]: ['python', (1+5j)]

In [49]: l

Out[49]: [11, 22, 33, 44, 55]

In [50]: l.insert(3,66)

In [51]: l

Out[51]: [11, 22, 33, 66, 44, 55]

In [52]: l.insert(11,4)
         l

Out[52]: [11, 22, 33, 66, 44, 55, 4]

In [53]: l.pop()
         l

Out[53]: [11, 22, 33, 66, 44, 55]

In [54]: l.pop()

Out[54]: 55

In [55]: l

Out[55]: [11, 22, 33, 66, 44]

In [56]: l2

Out[56]: [3, 'python', True, (1+5j), 9.3]

In [57]: l2.pop(3)

Out[57]: (1+5j)

In [58]: l2

Out[58]: [3, 'python', True, 9.3]
```

```
In [59]: l2.remove('python')

In [60]: l2

Out[60]: [3, True, 9.3]
```