```
In [1]:  #Extracting and slicing elements of a list:
```

```
In [2]:  l1 = [10,True,"Mango",90.34,'H',9-24j]
         l1
```

Out[2]: [10, True, 'Mango', 90.34, 'H', (9-24j)]

```
In [3]:  len(l1)
```

Out[3]: 6

```
In [4]:  l1[0] = 345
         l1
```

Out[4]: [345, True, 'Mango', 90.34, 'H', (9-24j)]

```
In [5]:  l1[-1] = 23+98j
         l1
```

Out[5]: [345, True, 'Mango', 90.34, 'H', (23+98j)]

```
In [6]:  l1[0:2] = 900,False,'Apple'
         l1
```

Out[6]: [900, False, 'Apple', 'Mango', 90.34, 'H', (23+98j)]

```
In [7]:  l1[-3:-1] = 675.987,"T",45-76j
         l1
```

Out[7]: [900, False, 'Apple', 'Mango', 675.987, 'T', (45-76j), (23+98j)]

```
In [8]:  l1
```

Out[8]: [900, False, 'Apple', 'Mango', 675.987, 'T', (45-76j), (23+98j)]

```
In [9]:  l1[0:7:2] = 3000,'&',4000,98-32j
         l1
```

Out[9]: [3000, False, '&', 'Mango', 4000, 'T', (98-32j), (23+98j)]

```
In [10]:  #Example-02:
```

```
In [11]:  l2 = [34,45,12,67,49,90_65j]
          l2
```

Out[11]: [34, 45, 12, 67, 49, 9065j]

```
In [12]:  l2[0] = 76
          l2
```

Out[12]: [76, 45, 12, 67, 49, 9065j]

```
In [13]:  l2[-1] = 89.90+45j
          l2
```

Out[13]: [76, 45, 12, 67, 49, (89.9+45j)]

```
In [14]:  l2[1:3] = 800,5000,2300
          l2
```

Out[14]: [76, 800, 5000, 2300, 67, 49, (89.9+45j)]

```
In [15]:  #Example-03:
```

```
In [16]:  l3 = [1,30,46]
          l3
```

Out[16]: [1, 30, 46]

```
In [17]:  l3[0] = 900
          l3
```

```
Out[17]: [900, 30, 46]

In [18]: l3[-1] = -544
         l3

Out[18]: [900, 30, -544]

In [19]: l3[:] = [100,200,300]
         l3

Out[19]: [100, 200, 300]

In [20]: l3[::-1] = -700,-290,600
         l3

Out[20]: [600, -290, -700]

In [21]: l3[1::-1] = 300,800
         l3

Out[21]: [800, 300, -700]

In [22]: l3[::-2] = 500,400
         l3

Out[22]: [400, 300, 500]
```