23rd october

```
In [1]: l=[100,30,40,50,'nov','dec',50]
        l
```

Out[1]: [100, 30, 40, 50, 'nov', 'dec', 50]

```
In [2]: l
```

Out[2]: [100, 30, 40, 50, 'nov', 'dec', 50]

```
In [66]: l.append(30)
         l.append(40)
```

```
In [67]: l
```

Out[67]: [100, 50, 'nov', 37, 'dec', 50, 3, 3, 30, 40]

```
In [68]: l.remove(3)
```

```
In [69]: l
```

Out[69]: [100, 50, 'nov', 37, 'dec', 50, 3, 30, 40]

```
In [70]: l.remove(3)
```

```
In [71]: l
```

Out[71]: [100, 50, 'nov', 37, 'dec', 50, 30, 40]

```
In [57]: l.insert(3,37)
```

```
In [58]: l
```

Out[58]: [100, 50, 'nov', 37, 'dec', 50, 3, 3]

```
In [72]: l.insert(2,90)
```

```
In [73]: l
```

Out[73]: [100, 50, 90, 'nov', 37, 'dec', 50, 30, 40]

```
In [59]: l.append([1,2,3])
         l
```

Out[59]: [100, 50, 'nov', 37, 'dec', 50, 3, 3, [1, 2, 3]]

```
In [60]: l
```

Out[60]: [100, 50, 'nov', 37, 'dec', 50, 3, 3, [1, 2, 3]]

```
In [61]: l.pop()
```

```
Out[61]:   [1, 2, 3]

In [13]:   l1=[20,3.4,"python",True,3+5j]

In [14]:   l1

Out[14]:   [20, 3.4, 'python', True, (3+5j)]

In [15]:   l1.extend(l)

In [80]:   l1

Out[80]:   ['dec', 'nov', 100, (3+5j), 'python', 3.4, 20]

In [81]:   l1.pop()

Out[81]:   20

In [18]:   l1.remove(True)

In [19]:   l1

Out[19]:   [20, 3.4, 'python', (3+5j), 100, 50, 'nov', 'dec']

In [20]:   l1.remove(50)

In [21]:   l1

Out[21]:   [20, 3.4, 'python', (3+5j), 100, 'nov', 'dec']

In [22]:   l2=[100,56,79,2000,2,3]
           l2

Out[22]:   [100, 56, 79, 2000, 2, 3]

In [23]:   l2.sort()

In [24]:   l2

Out[24]:   [2, 3, 56, 79, 100, 2000]

In [26]:   l2.sort(reverse=True)

In [27]:   l2

Out[27]:   [2000, 100, 79, 56, 3, 2]

In [28]:   l3=[4,7.8,True,'five',4+6j]

In [29]:   l3

Out[29]:   [4, 7.8, True, 'five', (4+6j)]

In [30]:   #it will not execute because variables are not same
```

```
l3.sort()
```

In [38]:
```
l4=['v','g','t','d']
```

In [39]:
```
l4
```

Out[39]: `['v', 'g', 't', 'd']`

In [34]:
```
l4.sort()
```

In [35]:
```
l4
```

Out[35]: `['d', 'g', 't', 'v']`

In [40]:
```
l4.sort(reverse=True)
```

In [41]:
```
l4
```

Out[41]: `['v', 't', 'g', 'd']`

In [42]:
```
l1.reverse()
```

In [43]:
```
l1
```

Out[43]: `['dec', 'nov', 100, (3+5j), 'python', 3.4, 20]`

In [76]:
```
print(l[0])
print(l[1])
print(l[2])
print(l[3])
print(l[4])
print(l[5])
print(l[6])
print(l[7])
print(l[8])
```

```
100
50
90
nov
37
dec
50
30
40
```

In [83]:
```
for i in l:
    print(i)
```

```
100
50
90
nov
37
dec
50
30
40
```

In [52]: `l[3]`

Out[52]: `'dec'`

In [54]:
```python
print(l[3][0])
print(l[3][1])
print(l[3][2])
```

```
d
e
c
```

In [55]:
```python
print(l[2][0])
print(l[2][1])
print(l[2][2])
```

```
n
o
v
```

In [63]:
```python
for i in l3:
    print(i)
```

```
True
4
7.8
five
(4+6j)
```

In [64]:
```python
for i in enumerate(l3):
    print(i)
```

```
(0, True)
(1, 4)
(2, 7.8)
(3, 'five')
(4, (4+6j))
```

In [ ]: