

```
In [1]: list=[1,2,4,5,8]
print(list)
```

```
[1, 2, 4, 5, 8]
```

```
In [2]: list=[1,2,4,5,8]
print (len(list))
```

```
5
```

```
In [3]: list=[1,3.6,'vicky',True]
print(list)
print(len(list))
```

```
[1, 3.6, 'vicky', True]
```

```
4
```

```
In [4]: list=[]
```

```
In [5]: list.append(10)
list.append(3.8)
```

```
In [6]: print(list)
```

```
[10, 3.8]
```

```
In [7]: list.append(True)
list.append('vicky')
```

```
In [8]: print(list)
```

```
[10, 3.8, True, 'vicky']
```

```
In [10]: print(list)
print(len(list))
```

```
[10, 3.8, True, 'vicky']
```

```
4
```

```
In [19]: print(len(list[3]))
```

```
5
```

```
In [16]: v=list
print(v)
```

```
[10, 3.8, True, 'vicky']
```

```
In [20]: for i in list:
print(i)
```

```
10
```

```
3.8
```

```
True
```

```
vicky
```

```
In [21]: a=['vicky','lalu','deva']
b=['deva','deepak','vasanth','bala']
c=a+b
print(a)
print(b)
print(c)
```

```
['vicky', 'lalu', 'deva']  
['deva', 'deeepak', 'vasanth', 'bala']  
['vicky', 'lalu', 'deva', 'deva', 'deeepak', 'vasanth', 'bala']
```

```
In [30]: for i in c:  
        print(i)
```

```
vicky  
lalu  
deva  
deva  
deeepak  
vasanth  
bala
```

```
In [28]: for i in range(1,4):  
        print(i*10);
```

```
10  
20  
30
```

```
In [33]: i=0  
while i <5:  
    print(i*10)  
    i +=1
```

```
0  
10  
20  
30  
40
```

```
In [41]: c.sort()  
print(c)
```

```
['bala', 'deeepak', 'deva', 'deva', 'lalu', 'vasanth', 'vicky']
```

```
In [42]: c.sort()  
print(c)  
c.reverse()  
print(c)
```

```
['bala', 'deeepak', 'deva', 'deva', 'lalu', 'vasanth', 'vicky']  
['vicky', 'vasanth', 'lalu', 'deva', 'deva', 'deeepak', 'bala']
```

```
In [43]: c.pop(3)  
print(c)
```

```
['vicky', 'vasanth', 'lalu', 'deva', 'deeepak', 'bala']
```

```
In [44]: c.extend('vijay')  
print(c)
```

```
['vicky', 'vasanth', 'lalu', 'deva', 'deeepak', 'bala', 'v', 'i', 'j', 'a', 'y']
```

```
In [ ]:
```