

```
In [2]: list=[1,2,3,4]
        print(len(list))
```

4

```
In [3]: print(list[2])
```

3

```
In [4]: print(list)
```

[1, 2, 3, 4]

```
In [5]: l=list
        print(l)
```

[1, 2, 3, 4]

```
In [7]: l1=['sanjay','muthu',100,200,'b']
        print(len(l1))
```

5

```
In [8]: l5=[]
        l5.append("bala")
```

```
In [9]: print(l5)
```

['bala']

```
In [10]: print(len(l5[0]))
```

4

```
In [11]: l1.insert(1,'majesty')
```

```
In [12]: print(l1)
```

['sanjay', 'majesty', 'muthu', 100, 200, 'b']

```
In [13]: l1[1:4]
```

```
Out[13]: ['majesty', 'muthu', 100]
```

```
In [14]: for i in range(8):
        print(i)
```

0
1
2
3
4
5

6
7

```
In [15]: food=['dosa','biriyani','idli']  
        drink=['JD','CORONA','BE']  
        fd=food+drink  
        print(fd)
```

['dosa', 'biriyani', 'idli', 'JD', 'CORONA', 'BE']

```
In [26]: for i in fd:  
        print(i,len(i))
```

dosa 4
biriyani 8
idli 4
JD 2
CORONA 6
BE 2

```
In [28]: for i in range(len(fd)):  
        print(i*i)
```

0
1
4
9
16
25

```
In [30]: i=0  
        while i<len(fd):  
            print(fd[i])  
            i=i+1
```

dosa
biriyani
idli
JD
CORONA
BE

```
In [49]: print(fd)
```

['vada', 'sambar', 'idli', 'dosa', 'biriyani']

```
In [50]: fd.append("puri")  
        print(fd)
```

['vada', 'sambar', 'idli', 'dosa', 'biriyani', 'puri']

```
In [51]: fd.insert(3,"chappathi")  
        print(fd)
```

['vada', 'sambar', 'idli', 'chappathi', 'dosa', 'biriyani', 'puri']

```
In [52]: fd.sort()  
        print(fd)
```

```
['biryani', 'chappathi', 'dosa', 'idli', 'puri', 'sambar', 'vada']
```

```
In [53]: fd.reverse()  
print(fd)
```

```
['vada', 'sambar', 'puri', 'idli', 'dosa', 'chappathi', 'biryani']
```

```
In [56]: print(fd)
```

```
['vada', 'puri', 'idli', 'dosa', 'chappathi', 'biryani']
```

```
In [57]: fd.remove('idli')  
print(fd)
```

```
['vada', 'puri', 'dosa', 'chappathi', 'biryani']
```

```
In [59]: fd.pop()  
print(fd)
```

```
['vada', 'puri', 'dosa', 'chappathi']
```

```
In [60]: fd.pop(1)  
print(fd)
```

```
['vada', 'dosa', 'chappathi']
```

```
In [61]: print(food)  
print(drink)
```

```
['dosa', 'biryani', 'idli']  
['JD', 'CORONA', 'BE']
```

```
In [62]: food.extend(drink)  
print(food)  
print(drink)
```

```
['dosa', 'biryani', 'idli', 'JD', 'CORONA', 'BE']  
['JD', 'CORONA', 'BE']
```

```
In [ ]:
```