

In [1]:

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

4

In [2]:

```
print(list[3])
```

4

In [3]:

```
print(list)
```

[1, 2, 3, 4]

In [5]:

```
l=list
print(l)
```

[1, 2, 3, 4]

In [6]:

```
l1=['aswin','muthu',200,100,'b']
print(len(l1))
```

5

In [7]:

```
l5=[]
l5.append("aswin")
print(len(l5[0]))
```

5

In [8]:

```
l1.insert(1,'aswin')
print(l1)
```

['aswin', 'aswin', 'muthu', 200, 100, 'b']

In [9]:

```
l1[1:4]
```

Out[9]:

['aswin', 'muthu', 200]

In [12]:

```
for i in range(5):
    print(i)
```

0

1

2

3

4

In [13]:

```
food=['dosai','chicken','pongal']
drink=['water','juice','wine']
fd=food+drink
print(fd)
```

```
['dosai', 'chicken', 'pongal', 'water', 'juice', 'wine']
```

In [14]:

```
for i in fd:
    print(i,len(i))
```

```
dosai 5
chicken 7
pongal 6
water 5
juice 5
wine 4
```

In [15]:

```
for i in range(len(fd)):
    print(i*i)
```

```
0
1
4
9
16
25
```

In [16]:

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

```
dosai
chicken
pongal
water
juice
wine
```

In [17]:

```
print(fd)
```

```
['dosai', 'chicken', 'pongal', 'water', 'juice', 'wine']
```

In [18]:

```
fd.append("curd")
print(fd)
```

```
['dosai', 'chicken', 'pongal', 'water', 'juice', 'wine', 'curd']
```

In [19]:

```
fd.insert(2,"vegrice")
print(fd)
```

```
['dosai', 'chicken', 'vegrice', 'pongal', 'water', 'juice', 'wine', 'curd']
```

In [20]:

```
fd.sort()
print(fd)
```

```
['chicken', 'curd', 'dosai', 'juice', 'pongal', 'vegrice', 'water', 'wine']
```

In [29]:

```
fd.reverse()  
print(fd)
```

```
['wine', 'water', 'vegrice', 'pongal', 'juice', 'dosai', 'curd', 'chicken']
```

In [30]:

```
print(fd)
```

```
['wine', 'water', 'vegrice', 'pongal', 'juice', 'dosai', 'curd', 'chicken']
```

In [31]:

```
fd.remove('water')  
print(fd)
```

```
['wine', 'vegrice', 'pongal', 'juice', 'dosai', 'curd', 'chicken']
```

In [32]:

```
fd.pop()  
print(fd)
```

```
['wine', 'vegrice', 'pongal', 'juice', 'dosai', 'curd']
```

In [33]:

```
fd.pop(2)  
print(fd)
```

```
['wine', 'vegrice', 'juice', 'dosai', 'curd']
```

In [34]:

```
print(food)  
print(drink)
```

```
['dosai', 'chicken', 'pongal']  
['water', 'juice', 'wine']
```

In [35]:

```
food.extend(drink)  
print(food)  
print(drink)
```

```
['dosai', 'chicken', 'pongal', 'water', 'juice', 'wine']  
['water', 'juice', 'wine']
```

In []: