

In [4]:

```
l = [2,6.77,"siva",True]
print(l)
print(len(l))
print(type(l))
```

```
[2, 6.77, 'siva', True]
4
<class 'list'>
```

In [5]:

```
l2 = []
l2.append("Jai")
print(l2)
```

```
['Jai']
```

In [8]:

```
l3 = [88,33,44,89]
print(l3[2])
```

```
44
```

In [10]:

```
l4 = ["siva","bala","jai","vivek"]
l4.insert(1,"ranjith")
print(l4)
```

```
['siva', 'ranjith', 'bala', 'jai', 'vivek']
```

In [11]:

```
l4[1:4]
```

Out[11]:

```
['ranjith', 'bala', 'jai']
```

In [12]:

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

```
0
1
2
3
4
```

In [18]:

```
course = ["csc","tamil","tech"]
stream = ["bsc","ba","bio"]
cs = course+stream
print(cs)
```

```
['csc', 'tamil', 'tech', 'bsc', 'ba', 'bio']
```

In [19]:

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

```
csc 3
tamil 5
tech 4
```

```
csc 4  
bsc 3  
ba 2  
bio 3
```

In [20]:

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

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

In [21]:

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

```
csc  
tamil  
tech  
bsc  
ba  
bio
```

In [22]:

```
print(cs)
```

```
['csc', 'tamil', 'tech', 'bsc', 'ba', 'bio']
```

In [23]:

```
cs.append("english")  
print(cs)
```

```
['csc', 'tamil', 'tech', 'bsc', 'ba', 'bio', 'english']
```

In [25]:

```
cs.insert(2,"maths")  
print(cs)
```

```
['csc', 'tamil', 'maths', 'tech', 'bsc', 'ba', 'bio', 'english']
```

In [26]:

```
cs.sort()  
print(cs)
```

```
['ba', 'bio', 'bsc', 'csc', 'english', 'maths', 'tamil', 'tech']
```

In [27]:

```
cs.reverse()  
print(cs)
```

```
['tech', 'tamil', 'maths', 'english', 'csc', 'bsc', 'bio', 'ba']
```

In [28]:

```
print(cs)
```

```
['tech', 'tamil', 'maths', 'english', 'csc', 'bsc', 'bio', 'ba']
```

In [29]:

```
cs.remove('maths')  
print(cs)
```

```
['tech', 'tamil', 'english', 'csc', 'bsc', 'bio', 'ba']
```

In [30]:

```
cs.pop()  
print(cs)
```

```
['tech', 'tamil', 'english', 'csc', 'bsc', 'bio']
```

In [31]:

```
cs.pop(1)  
print(cs)
```

```
['tech', 'english', 'csc', 'bsc', 'bio']
```

In [32]:

```
print(course)  
print(stream)
```

```
['csc', 'tamil', 'tech']  
['bsc', 'ba', 'bio']
```

In [33]:

```
course.extend(stream)  
print(course)  
print(stream)
```

```
['csc', 'tamil', 'tech', 'bsc', 'ba', 'bio']  
['bsc', 'ba', 'bio']
```

In [ ]: