

```
In [3]: LIST = ['sachin','virat','dhoni','abd']
print(LIST)
```

```
['sachin', 'virat', 'dhoni', 'abd']
```

```
In [5]: print(len(LIST))
```

```
4
```

```
LIST=[2,'three',True] print(list)
```

```
In [8]: LIST=[2,'three',True]
print(LIST)
print(len(LIST))
```

```
[2, 'three', True]
```

```
3
```

```
In [14]: emplist=[]
print(type(emplist))
print(len(emplist))
emplist.append('vasanth')
emplist.append(3)
emplist.append(True)
print(emplist)
print(emplist[2])
print(len(emplist[0]))
vasanth=emplist
print(vasanth)
vasanth2=[1,2,3]
vasanth3=vasanth+vasanth2
print(vasanth3)
```

```
<class 'list'>
```

```
0
```

```
['vasanth', 3, True]
```

```
True
```

```
7
```

```
['vasanth', 3, True]
```

```
['vasanth', 3, True, 1, 2, 3]
```

```
In [16]: for i in vasanth3:
print(i)

for i in range(4,9):
print(i*i)
```

```
vasanth
```

```
3
```

```
True
```

```
1
```

```
2
```

```
3
```

```
16
```

```
25
```

```
36
```

```
49
```

```
64
```

```
In [17]: i=0
while i<len(vasanth3):
```

```
print(vasanth3[i])  
i=i+1
```

```
vasanth  
3  
True  
1  
2  
3
```

```
In [18]: vasanth4=[2,9,4,6,1,8]  
vasanth4.sort()  
print(vasanth4)
```

```
[1, 2, 4, 6, 8, 9]
```

```
In [19]: vasanth4.reverse()  
print(vasanth4)
```

```
[9, 8, 6, 4, 2, 1]
```

```
In [20]: print(vasanth4)  
vasanth4.remove(6)  
print(vasanth4)
```

```
[9, 8, 6, 4, 2, 1]  
[9, 8, 4, 2, 1]
```

```
In [21]: print(vasanth4)  
vasanth4.pop(2)  
print(vasanth4)
```

```
[9, 8, 4, 2, 1]  
[9, 8, 2, 1]
```

```
In [22]: print(vasanth4)  
vasanth4.pop()  
print(vasanth4)
```

```
[9, 8, 2, 1]  
[9, 8, 2]
```

```
In [24]: print(vasanth4)  
vasanth4.remove(2)  
print(vasanth4)
```

```
[9, 8, 2]  
[9, 8]
```

```
In [26]: fruits=['apple','mango','banana']  
veg=['onion','potato','tomato']  
print(fruits)  
print(veg)  
fruits.extend(veg)  
print(fruits)
```

```
['apple', 'mango', 'banana']  
['onion', 'potato', 'tomato']  
['apple', 'mango', 'banana', 'onion', 'potato', 'tomato']
```

```
In [ ]:
```