

```
In [ ]: mylist = ["vicky","vasanth","akash","deepak"]
        print(mylist)
```

```
In [ ]: print(len(mylist))
```

```
In [ ]: mylist2 =[2,3,4,5]
        print(mylist2)
        print(len(mylist2))
        print(type(mylist2))
```

```
In [ ]: mylist2 =[2,3,4,5]
        print(mylist2)
        print(len(mylist2))
        print(type(mylist2))
```

```
In [ ]: mylist2 =[2,3,4,5]
        print(mylist2)
        print(len(mylist2))
```

```
In [ ]: mylist3 =[2,"two",True]
        print(mylist3)
        print(len(mylist3))
        print(type(mylist3))
```

```
In [51]: emptylist =[]           #creating the empty list
        print(type(emptylist))
        print(len(emptylist))
        emptylist.append('vicky') #adding items to the list
        emptylist.append(2)      #adding items to the list
        emptylist.append(True)   #adding items to the list
        print(emptylist)
        print(len(emptylist))
        print(emptylist[2])      # accessing the particular element in the list
        print(len(emptylist[0]))
        vicky = emptylist        # assignment operator in list
        print(vicky)
        vicky2 = [4,5,6]
        vicky3 = vicky+vicky2    # adding two list
        print(vicky3)
        vicky3.insert(1,'newly inserted list') #adding an element at a particular list
        print(vicky3)
        for i in vicky3:         #for loop
            print(i,vicky3.index(i))

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

```
<class 'list'>
0
['vicky', 2, True]
3
True
```

```

5
['vicky', 2, True]
['vicky', 2, True, 4, 5, 6]
['vicky', 'newly inserted list', 2, True, 4, 5, 6]
vicky 0
newly inserted list 1
2 2
True 3
4 4
5 5
6 6
16
25
36
49
64

```

In [49]:

```

i=0
while i<len(vicky3):
    print(vicky3[i])
    i=i+1

```

```

vicky
newly inserted list
2
True
4
5
6

```

In [53]:

```

vicky4=[2,9,4,6,1,8] #sorting
vicky4.sort()
print(vicky4)

```

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

In [54]:

```

vicky4.reverse() #reverse
print(vicky4)

```

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

In [69]:

```

fruits = ['apple','banana','mango']
vegetables = ['onion','potato','tomato']
print(fruits)
print(vegetables)
fruits.extend(vegetables)
print(fruits)
print(vegetables)

```

```

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

```

In [77]:

```

print(vegetables)
vegetables.pop()
print(vegetables)
vegetables.pop(1)
print(vegetables)

```

```
['onion', 'potato', 'tomato']  
['onion', 'potato']  
['onion']
```

In [59]:

[9]

In [64]:

[]

In []: