

```
In [1]: #sum of elements in list
lst=[1,2,3,4]
sum=0
for i in lst:
    sum=sum+i
print(sum)
```

10

```
In [10]: #add specific element in list
lst=[1,2,3,4,5]
lst.extend([6])
print(lst)
```

[1, 2, 3, 4, 5, 6]

```
In [16]: #differences of two list
lst1=[1,2,3,4]
lst2=[1,1,1,1]
lst3=[]
for i in lst1:
    if i not in lst2:
        lst3.append(i)
print(lst3)
```

[2, 3, 4]

```
In [19]: #find position of min and max elements of a list
lst=[9,4,10,3,6,1]
print(lst.index(max(lst)))
print(lst.index(min(lst)))
```

2
5

```
In [26]: #program to find numbers which are divisible by 3 and 5
list1=[10,20,30,40,50]
list2=[10,20,35,40,55]
list3=[]
list4=[]
for i in list1:
    if(i%3==0)and(i%5==0):
        list3.append(i)
print(list3)
for i in list2:
    if(i%3==0)and(i%5==0):
        list4.append(i)
print(list4)
```

[30]
[]

```
In [27]: list=['abc',123,['cd','e',[49,7,[4],'gh'],10],'i']
print(list[1])
print(list[2][2][2])
```

123
[4]

In []: