1. Write a Python program to find sum of elements in list?

**Ans:**

l=[1,2,3,4,5]

sum=0

for i in l:

sum+=i

print(sum)

1. Write a Python program to Multiply all numbers in the list?

**Ans:**

l=[1,2,3,4,5]

mul=1

for i in l:

mul\*=i

print(mul)

1. Write a Python program to find smallest number in a list?

**Ans:**

l=[1,2,3,4,5]

min=l[0]

for i in l:

if i<min:

min=i

print(min)

1. Write a Python program to find largest number in a list?

**Ans:**

l=[1,2,3,4,5]

max=l[0]

for i in l:

if i>max:

max=i

print(max)

1. Write a Python program to find second largest number in a list?

**Ans:**

l=[40, 98, 80, 10, 12]

max\_=l[0]

m=[]

m.append(max(l))

for i in l:

if i not in m and i>max\_:

max\_=i

print(max\_)

1. Write a Python program to find N largest elements from a list?

**Ans:**

l=[40, 98, 80, 10, 12]

m=l

max\_=[]

n=int(input("enter how many largest require?"))

if n>len(m):

print("list is not having this much of items")

else:

for i in range(0, n):

max\_.append(max(m))

m.remove(max(m))

print(max\_)

1. Write a Python program to print even numbers in a list?

**Ans:**

l=[40, 98, 80, 10, 12, 25]

[print(i) for i in l if i%2==0]

1. Write a Python program to print odd numbers in a List?

**Ans:**

l=[40, 98, 80, 10, 12, 25]

[print(i) for i in l if i%2!=0]

1. Write a Python program to Remove empty List from List?

**Ans:**

l=[40, 98, 80, 10, 12, 25, [3,4,5], []]

for i in l:

if type(i)==list and len(i)==0:

l.remove(i)

print(l)

1. Write a Python program to Cloning or Copying a list?

**Ans:**

l=[40, 98, 80, 10, 12, 25]

m=[]

for i in l:

m.append(i)

print(m)

1. Write a Python program to Count occurrences of an element in a list?

**Ans:**

l=[40, 98, 80, 10, 12, 25, 10, 40, 40]

x=int(input("eneter number to find occurence:"))

count=0

for i in l:

if i==x:

count+=1

print("number occured {0} times".format(count))