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

def sum(arr):

s=0

for i in arr:

s+=i

return s

sum([1,2,3,4,5,6,7,8,9])

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

def mul(arr):

m=1

for i in arr:

m\*=i

return m

mul([1,2,3,4,5,6,7,8,9])

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

def small(arr):

s=arr[0]

for i in arr:

if i<s:

s=i

return s

small([1,2,3,4,5,6,7,-8,9])

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

def large(arr):

l=arr[0]

for i in arr:

if i>l:

l=i

return l

large([1,2,3,41,5,6,7,-8,9])

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

def large(arr):

for n in range(2):

l=arr[0]

for i in arr:

if i>l:

l=i

arr.remove(l)

return l

large([1,2,3,4,5,6,7,-8,9])

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

def large(arr,N):

lis=[]

for n in range(N):

l=arr[0]

for i in arr:

if i>l:

l=i

arr.remove(l)

lis.append(l)

return lis

large([1,2,3,4,5,6,7,-8,9],3)

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

def even(arr):

for i in arr:

if i%2==0:

print(i,", ",end="")

even([1,2,3,4,5,6,7,-8,9])

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

def odd(arr):

for i in arr:

if i%2!=0:

print(i,", ",end="")

odd([1,2,3,4,5,6,7,-8,9])

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

def rem(arr):

for i in arr:

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

arr.remove(i)

return arr

rem([1,2,3,[6,7],4,5,6,[],7,-8,9,[],[3,23]])

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

arr=[1,2,3,4,5,6,7,-8,9,[],[3,23]]

arr1=arr.copy()

arr1[2]="abc"

print("original",arr)

print("COPY",arr1)

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

def count(arr,n):

c=0

for i in arr:

if i==n:

c+=1

return c

count([1,2,3,4,1,5,6,7,-8,1,9],1)