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

def sum\_list():

l=[]

sum=0

n=int(input('enter the no of elements in list'))

for i in range(n):

e=int(input('enter elements of list:'))

l.append(e)

for i in l:

sum+=int(i)

return sum

sum\_list()

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

def mul\_list(l):

result=1

for i in l:

result=result\*i

return result

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

mul\_list(l)

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

def smallest(l):

return sorted(l)[0]

l=[5,6,3,4,2]

smallest(l)

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

def smallest(l):

return sorted(l)[-1]

l=[5,6,3,4,5]

smallest(l)

#or

def smallest(l):

return sorted(l,reverse=True)[0]

l=[5,6,3,4,5]

smallest(l)

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

def second\_largest\_in\_list():

n= int(input('Enter the No of elements in a list: '))

l = []

for i in range(n):

l.append(int(input('Enter a Element: ')))

print(f'The Second Largest Element in {l} is {sorted(l)[1]}')

second\_largest\_in\_list()

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

def n\_largest\_in\_list(k):

n= int(input('Enter the No of elements in a list: '))

l = []

for i in range(n):

l.append(int(input('Enter a Element: ')))

print(f'The {k} Largest Element in {l} is {sorted(l,reverse=True)[0:k]}')

n\_largest\_in\_list(5)

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

l=[1,2,3,6,7,8,9]

even=list(filter(lambda x:x%2==0,l))

print(even)

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

l=[1,2,3,6,7,8,9]

even=list(filter(lambda x:x%2!=0,l))

print(even)

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

def check\_empty\_list():

l=eval(input('enter elements of list:'))

if [] in l:

print('The empty list is at',l.index([]))

l.remove([])

else:

print('List not contain empty list')

check\_empty\_list()

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

def cloned\_list():

l=eval(input('enter elements of list:'))

return l.copy()

print(f'The cloned list is:',cloned\_list())

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

def count\_element(l,x):

return l.count(x)

l=eval(input('enter list'))

x=eval(input('enter the element to count'))

count=count\_element(l,x)

print('The element {} occured {} times'.format(x,count))