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

# Python program to find sum of elements in list

total = 0

# creating a list

list1 = [11, 5, 17, 18, 23]

# Iterate each element in list

# and add them in variable total

for ele in range(0, len(list1)):

    total = total + list1[ele]

# printing total value

print("Sum of all elements in given list: ", total)

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

def multiplyList(myList) :

# Multiply elements one by one

result = 1

for x in myList:

result = result \* x

return result

# Driver code

list1 = [1, 2, 3]

list2 = [3, 2, 4]

print(multiplyList(list1))

print(multiplyList(list2))

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

# list of numbers

list1 = [10, 20, 4, 45, 99]

# sorting the list

list1.sort()

# printing the first element

print("Smallest element is:", \*list1[:1])

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

# list of numbers

list1 = [10, 20, 4, 45, 99]

# sorting the list

list1.sort()

# printing the last element

print("Largest element is:", list1[-1])

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

# list of numbers

list1 = [10, 20, 4, 45, 99]

# sorting the list

list1.sort()

# printing the last element

print("Largest element is:", list1[-2])

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

N=(-1)\*int(input(“N=\t”))

# list of numbers

list1 = [10, 20, 4, 45, 99]

# sorting the list

list1.sort()

# printing the last element

print("Largest element is:", list1[N])

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

# list of numbers

list1 = [10, 21, 4, 45, 66, 93]

# iterating each number in list

for num in list1:

    # checking condition

    if num % 2 == 0:

        print(num, end=" ")

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

# list of numbers

list1 = [10, 21, 4, 45, 66, 93]

# iterating each number in list

for num in list1:

    # checking condition

    if num % 2 != 0:

        print(num, end=" ")

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

# Initializing list

test\_list = [5, 6, [], 3, [], [], 9]

# printing original list

print("The original list is : " + str(test\_list))

# Remove empty List from List

# using list comprehension

res = [ele for ele in test\_list if ele != []]

# printing result

print("List after empty list removal : " + str(res))

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

original\_list = [10, 22, 44, 23, 4]

new\_list = list(original\_list)

print(original\_list)

print(new\_list)

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

#occurrences in list

#function for counting

def count\_occurrence(list, n):

#counter variable

count=0

for i in list:

if(i==n):

#update counter variable

count=count+1

return count

#input list

li=[]

n=int(input("Enter size of list "))

for i in range(0,n):

e=int(input("Enter element of list "))

li.append(e)

print("Original list: ",li)

x=int(input("Enter element to be checked list: "))

#function call

print(x," has occurred ",count\_occurrence(li, x),"times")