1. Write a Python program to find sum of elements in list?
2. Write a Python program to Multiply all numbers in the list?
3. Write a Python program to find smallest number in a list?
4. Write a Python program to find largest number in a list?
5. Write a Python program to find second largest number in a list?
6. Write a Python program to find N largest elements from a list?
7. Write a Python program to print even numbers in a list?
8. Write a Python program to print odd numbers in a List?
9. Write a Python program to Remove empty List from List?
10. Write a Python program to Cloning or Copying a list?
11. Write a Python program to Count occurrences of an element in a list?

**Solution: 1**

li = list(map(int, input().split()))

sum = 0

for i in range(0, len(li)):

sum = sum + li[i]

print(sum)

**Solution: 2**

li = list(map(int, input().split()))

res = 1

for i in range(0, len(li)):

res = res \* li[i]

print(res)

**Solution: 3**

li2 = list(map(int, input().split()))

print("Smallest number in a given list is ", min(li2))

**Solution: 4**

li3 = list(map(int, input().split()))

print("Largest number in a list is ", max(li3))

**Solution: 5**

li4 = list(map(int, input().split()))

max\_ele = max(li4)

li4.remove(max\_ele)

print(max(li4))

**Solution: 6**

li5 = list(map(int, input().split()))

n = int(input("Enter a number "))

n\_largest\_num = sorted(li5, reverse= True)[n-1]

print("{0}th largest number in a given list is ".format(n), n\_largest\_num)

**Solution: 7**

li6 = list(map(int, input().split()))

li6\_ = []

for i in range(0, len(li6)):

if li6[i]%2 ==0:

li6\_.append(li6[i])

else:

pass

print(li6\_)

**Solution: 8**

li7 = list(map(int, input().split()))

li7\_ = []

for i in range(0, len(li6)):

if li7[i]%2 !=0:

li7\_.append(li7[i])

else:

pass

print(li7\_)

**Solution: 9**

li8 = [[0,2,3,4], [], [10,20,30,40], [20,40,60,80], []]

li8\_ = []

for i in range(0, len(li8)):

if len(li8[i]) != 0:

li8\_.append(li8[i])

print(li8\_)

**Solution: 10**

import copy

li9 = [[0, 2, 3, 4], [10, 20, 30, 40], [20, 40, 60, 80]]

li9\_ = copy.deepcopy(li9)

print(li9\_)

**Solution: 11**

li10= list(map(int, input().split()))

n = int(input("Enter a number whose occurence you want to check in the list "))

count = 0

for i in range(0, len(li10)):

if n==li10[i]:

count=count+1

else:

pass

print(count)