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

***lst=[]***

***num=int(input('enter number of elements: '))***

***for n in range(num):***

***num=int(input('Enter elements '))***

***lst.append(num)***

***print("Sum of elements in given list is :", sum(lst))***

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

***def mulallnum(lst):***

***x=1***

***for i in lst:***

***x=x\*i***

***return x***

***A=list()***

***n=int(input("Enter the number of elements "))***

***print("Enter the Elements:")***

***for i in range(int(n)):***

***k=int(input(""))***

***A.append(k)***

***print("product of list elements",mulallnum(A))***

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

***def smallnum(list):***

***min=list[0]***

***for a in list:***

***if a<min:***

***min=a***

***return min***

***A=list()***

***n=int(input("Enter the number of elements"))ss***

***print("Enter the Elements:")***

***for i in range(int(n)):***

***k=int(input(""))***

***A.append(k)***

***print("smallest num in list",min(A))***

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

***def largenum(list):***

***max=list[0]***

***for a in list:***

***if a>max:***

***max=a***

***return max***

***A=list()***

***n=int(input("Enter the number of elements"))***

***print("Enter the Elements:")***

***for i in range(int(n)):***

***k=int(input(""))***

***A.append(k)***

***print("largest num in list",max(A))***

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

***a=[]***

***n=int(input("Enter number of elements:"))***

***print("Enter elements:")***

***for i in range(1,n+1):***

***b=int(input(""))***

***a.append(b)***

***a.sort()***

***print("Second largest element is:",a[n-2])***

1. ***Write a Python program to find N largest elements from a list?***
2. ***Write a Python program to print even numbers in a list?***

***a=[]***

***n=int(input("Enter number of elements:"))***

***print("Enter elements:")***

***for i in range(1,n+1):***

***b=int(input(" "))***

***a.append(b)***

***even=[]***

***for j in a:***

***if(j%2==0):***

***even.append(j)***

***print("The even list",even)***

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

***a=[]***

***n=int(input("Enter number of elements:"))***

***print("Enter elements:")***

***for i in range(1,n+1):***

***b=int(input(" "))***

***a.append(b)***

***odd=[]***

***for j in a:***

***if(j%2!=0):***

***odd.append(j)***

***print("The odd list",odd)***

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

***list=[6,12,[],5,[],[],10]***

***print("The original list is:"+str(list))***

***res=[ele for ele in list if ele!=[]]***

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

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

***def copyandcloning(cl):***

***copylist=cl[:]***

***return copylist***

***A=list()***

***n1=int(input("Enter the size of the List ::"))***

***print("Enter the Element of List ::")***

***for i in range(int(n1)):***

***k=int(input(""))***

***A.append(k)***

***clon=copyandcloning(A)***

***print("Original or Before Cloning The List Is:",A)***

***print("After Cloning:",clon)***

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

***a=[]***

***n=int(input("Enter number of elements:"))***

***print("Enter elements:")***

***for i in range(1,n+1):***

***b=int(input(" "))***

***a.append(b)***

***print("Given list:\n", a)***

***print("Enter element to check it's occurrence")***

***ele=int(input(" "))***

***print("Given element:\n",ele)***

***cnt=Counter(a)***

***print("Number of times the element present in the list is:\n",cnt[ele])***