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

# Python program to find sum of elements in list

# function to define sum of list elements.

# This function takes the list as input parameter and returns the sum

def sumoflistelements(list):

sum = 0

for i in list:

sum = sum + i

return sum

# test with the sample list

l1 = [2,4,5,8,1]

# print the sum of the list

print(sumoflistelements(l1))

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

# Python program to Multiply all numbers in the list

# function to define product of list elements.

# This function takes the list as input parameter and returns the product

def productoflistelements(list):

product = 1

for i in list:

product = product \* i

return product

# test with the sample list

l1 = [2,4,5]

# print the product of the list

print(productoflistelements(l1))

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

# Python program to find smallest number in a list

# function to find the smallest element in the list

# This function takes the list as input parameter and returns the smallest number

def smalllistelement(list):

small = list[0]

for i in list:

if i < small:

small = i

return small

# test with the sample list

l1 = [8,2,4,1,5]

# print the smallest number in the list

print(smalllistelement(l1))

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

# Python program to find largest number in a list

# function to find the largest element in the list

# This function takes the list as input parameter and returns the largest number

def largelistelement(list):

large = list[0]

for i in list:

if i >= large:

large = i

return large

# test with the sample list

l1 = [8,2,4,12,1,5]

# print the largest number in the list

print(largelistelement(l1))

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

# Python program to find second largest number in a list

# declare a list and convert it to set to remove duplicate values

l1 = [8,2,4,12,1,5]

l2 = list(set(l1))

# sort the list to arrange in ascending order

l2.sort()

# print the second highest number

print(l2[-2])

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

# Python program to find N largest elements from a list

# declare a list

l1 = [8,1,3,2,4,3]

n = int(input("Enter how many largest numbers you would like to print"))

if n > len(l1):

print("The number should not be more than the element count of the list")

else:

l1.sort()

l2 = set(l1)

l2 = list(l2)

print("sorted list is",l2)

print(n,"largest elements in the are",l2[-1:-(n+1):-1])

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

# Python program to print even numbers in a list

# declare a list

l1 = [8,1,2,4,3]

# use for loop to print odd numbers from the list

for i in l1:

if i%2 == 0:

print(i)

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

# Python program to print odd numbers in a List

# declare a list

l1 = [8,1,2,4,3]

# use for loop to print odd numbers from the list

for i in l1:

if i%2 != 0:

print(i)

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

# Python program to Remove empty List from List

# declare a list

l1 = [8,1,3,[],2,4,3,[]]

# print the list before modification

print("List before modification",l1)

#use for loop to remove empty list elements in the list

for i in l1:

if i == []:

l1.remove(i)

# print the updated list

print("List after modification",l1)

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

# Python program to Cloning or Copying a list

# declare a list

l1 = [8,2,4]

l2 = []

# equate l2 with l1

l2 = l1

# dislplay l2

print(l2)

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

# Python program to Count occurrences of an element in a list

# declare a list

l1 = [8,2,4,12,1,5,4,2,4,5]

# get the value from the user

n = str(input("Enter the value which you want to find occurance"))

# print the number of occurance of value

print("The number of occurance of value",n,"is",str(l1).count(n))