#def multiply\_list(items):

tot=1

for x in items:

tot\*=x

return tot

print(multiply\_list([1,2,-8]))

O/p:1

#list=[]

num=int(input("how many numbers:"))

for n in range(num):

numbers=int(input("enter number"))

list.append(numbers)

print("maximum element in the list is:",max(list))

print("maximun element in the list is:",min(list))

O/p:how many numbers:4

enter number2

enter number1

enter number3

enter number4

maximum element in the list is: 4

maximun element in the list is: 1

#a=[10,20,30,20,10,50,60,40,80,50,40]

dup\_items=set()

uniq\_items=[]

for x in a:

if x not in dup\_items:

uniq\_items.append(x)

dup\_items.add(x)

print(dup\_items)

O/p:{40, 10, 80, 50, 20, 60, 30}

#def enquiry(list1):

if len(list1)==0:

return 0

else:

return 1

list1=[]

if enquiry(list1):

print("the list is not empty")

else:

print("empty list")

O/p:empty list

#from random import shuffle

color=['red','green','white','black','pink','yellow']

shuffle(color)

print(color)

O/p:['yellow', 'black', 'green', 'red', 'pink', 'white']

#list1=[1,3,5,7,9]

list2=[1,2,4,6,7,8]

diff\_list1\_list2=list(set(list1)-set(list2))

diff\_list2\_list1=list(set(list2)-set(list1))

total\_diff=diff\_list1\_list2+diff\_list2\_list1

print(total\_diff)

O/p:[9, 3, 5, 8, 2, 4, 6]