def partition(array,low,high):

pivot=array[low]

i=low+1

j=high

flag=False

while(not flag):

while(i<=j and array[i]<=pivot):

i=i+1

while(i<=j and array[j]>=pivot):

j=j-1;

if(j<i):

flag=True

else:

temp=array[low]

array[i]=array[j]

array[j]=temp

temp=array[low]

array[low]=array[j]

array[j]=temp

return j

def Quick(array,low,high):

if (low<high):

m = partition(array,low,high)

Quick(array,low,m-1)

Quick(array,m+1,high)

array=[]

n=int(input("enter the number of element:"))

for i in range(0,n):

element=int(input("Enter the element:"))

array.append(element)

print(" Array is:")

print(array)

print("sorted array is")

Quick(array,0,n-1)

print(array)