1.Python program to sort the elements of the Circular Linked List

**Code:**

class Node:

def \_\_init\_\_(self,data):

self.data = data;

self.next = None;

class CreateList:

def \_\_init\_\_(self):

self.head = Node(None);

self.tail = Node(None);

self.head.next = self.tail;

self.tail.next = self.head;

def add(self,data):

newNode = Node(data);

if self.head.data is None:

self.head = newNode;

self.tail = newNode;

newNode.next = self.head;

else:

self.tail.next = newNode;

self.tail = newNode;

self.tail.next = self.head;

def sortList(self):

current = self.head;

if(self.head == None):

print("List is empty");

else:

while(True):

index = current.next;

while(index != self.head):

if(current.data > index.data):

temp = current.data;

current.data = index.data;

index.data = temp;

index= index.next;

current =current.next;

if(current.next == self.head):

break;

def display(self):

current = self.head;

if self.head is None:

print("List is empty");

return;

else:

print(current.data, end= ' ');

while(current.next != self.head):

current = current.next;

print(current.data,end=' ');

print("\n");

class CircularLinkedList:

cl = CreateList();

cl.add(70);

cl.add(90);

cl.add(20);

cl.add(100);

cl.add(50);

print("Original list: ");

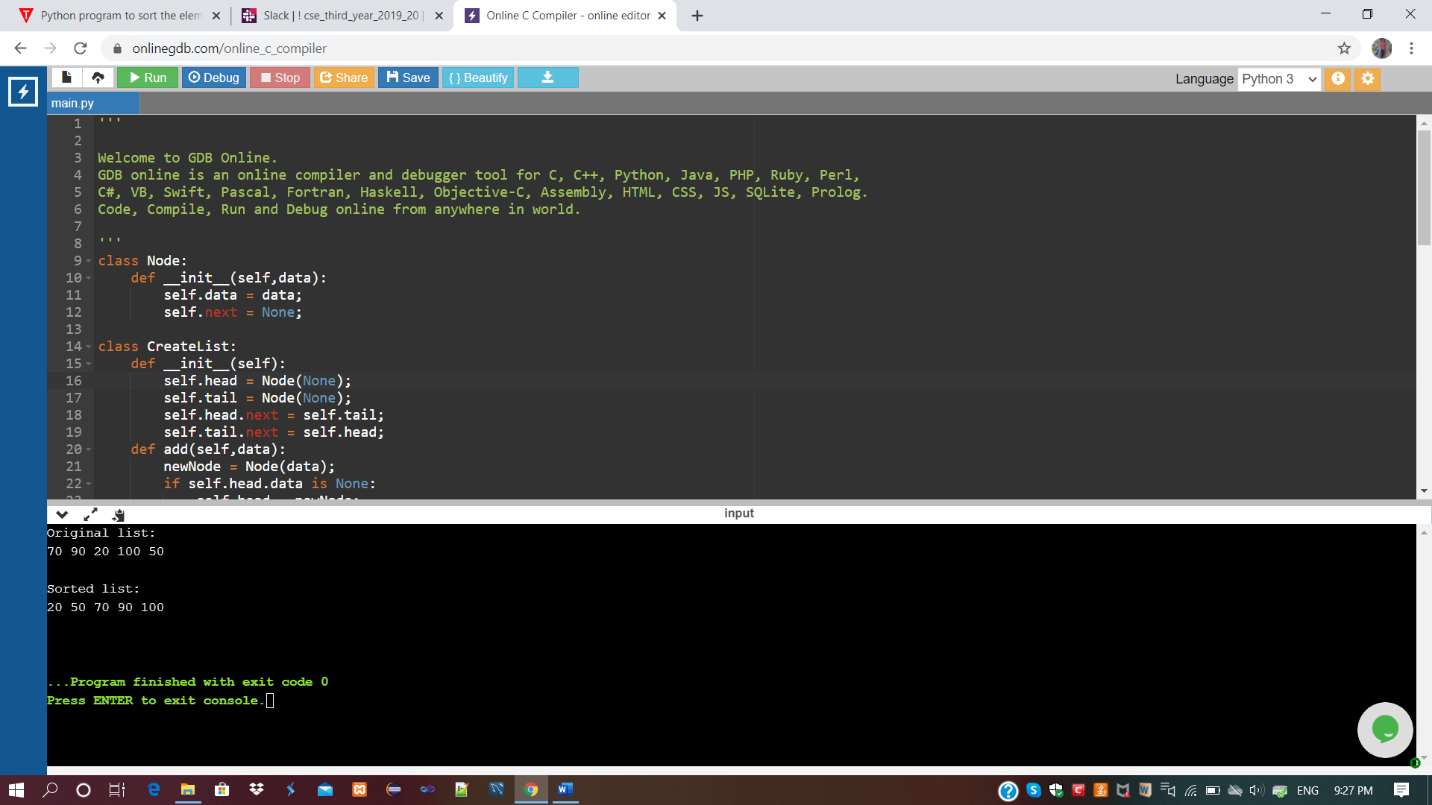
cl.display();

cl.sortList();

print("Sorted list: ");

cl.display();

**Output:**

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