Program6: New element in a sorted circular linked list

```
package mounika6;
public class LinkedList
{
	static class Node
	{
		int data;
			Node next;
			Node(int d)
			{
				data = d;
				next = null;
			}
}
Node head;
LinkedList()
{
head = null;
}
	void sortedInsert(Node new_node)
	{
			Node current = head;
if (current == null)
			{
				new_node.next = new_node;
				head = new_node;
		}
else if (current.data >= new_node.data)
			{
while (current.next != head)
					current = current.next;
			current.next = new_node;
				new_node.next = head;
				head = new_node;
			}
			else
			{
while (current.next != head && current.next.data < new_node.data)
					current = current.next;
			new_node.next = current.next;
				current.next = new_node;
			}
	}
void printList()
	{
			if (head != null)
			{
				Node temp = head;
				do
				{
					System.out.print(temp.data + " ");
					temp = temp.next;
				}  while (temp != head);
```

```
                }
        }
public static void main(String[] args)
        {
                LinkedList list = new LinkedList();
                int arr[] = new int[] {2,89,67,45,90,23,56,34};
                Node temp = null;
                for (int i = 0; i < 8; i++)
                {
                        temp = new Node(arr[i]);
                        list.sortedInsert(temp);
                }
list.printList();
        }
}
```