

```

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[] {12, 56, 2, 11, 1, 90};
Node temp = null;
for (int i = 0; i < 6; i++)
{
    temp = new Node(arr[i]);
    list.sortedInsert(temp);
}
list.printList();
}
```

