

```
1  /**
2   A PROGRAM TO CREATE AND PERFORM OPERATION IN LINKED LISTS.
3   */
4   //SUCHIT TE XII A
5   public class linkedlist
6   {
7       protected Node start;
8       public linkedlist()
9       {
10          start = null;
11      }
12      public void Insert(int val)
13      {
14          Node newnode , next , temp = null;
15          newnode = new Node(val,null);
16          boolean ctr = false;
17          if(start == null)
18          {
19              start = newnode;
20          }
21          else if(newnode.data <= start.getdata())
22          {
23              newnode.link = start;
24              start = newnode;
25          }
26          else
27          {
28              temp = start;
29              next = start.link;
30              while(next!=null)
31              {
32                  if(newnode.data>=temp.data && newnode.data<=next.data)
33                  {
34                      temp.link = newnode;
35                      newnode.link = next;
36                      ctr = true;
37                      break;
38                  }
39                  else
40                  {
41                      temp = next;
42                      next = next.link;
43                  }
44              }
45              if(ctr == false)
46              {
47                  temp.link = newnode ;
48              }
49          }
50      }
51      public void display()
52      {
53          Node temp = start;
54          System.out.println("THE VALUES STORED IN THE LINKED LIST ARE :

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54 ");  
55     while(temp.link!=null)  
56     {  
57         System.out.println(temp.data);  
58         temp = temp.link;  
59     }  
60     System.out.println(temp.data);  
61 }  
62 }  
63
```