

```
1  class Node
2  {
3      int data;
4      Node next;
5      Node(int x)
6      {
7          data = x;
8          next = null;
9      }
10 }
11 class LinkedList
12 {
13     Node head;
14     Node tail;
15     LinkedList()
16     {
17         head = null;
18         tail = null;
19     }
20     void insert(int x)
21     {
22         Node temp = new Node(x);
23         if(head==null)
24         {
25             head = temp;
26             tail = head;
27         }else
28         {
29             tail.next = temp;
30             tail = tail.next;
31         }
32     }
33     int delete_from_end()
34     {
35         Node temp = head;
36         if(head==null)
37         {
38             System.out.println("List is empty");
39             return -1;
40         }
41         while(temp.next != tail)
42         {
43             temp = temp.next;
44         }
45         int x = tail.data;
46         Node d = tail;
47         tail = temp;
48         tail.next = null;
49         return x;
50 }
```

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51     }
52     void display()
53     {
54         Node temp = head;
55         while(temp != null)
56         {
57             System.out.print(temp.data + " ");
58             temp=temp.next;
59         }
60     }
61 }
62 class Question5
63 {
64     public static void main(String arg[])
65     {
66         LinkedList l = new LinkedList();
67         l.insert(3);
68         l.insert(4);
69         l.insert(5);
70         l.insert(6);
71         l.insert(7);
72         System.out.println(l.delete_from_end());
73         l.display();
74     }
75 }
76 }
77 //output
78 // PS C:\Users\Dell\Desktop\JAVA\Assignments\Assignment-3> java Question5
79 // deleted element- 7
80 // list⇒
81 // 3 4 5 6
```