Program:

```
public class Node {
    int data;
    Node prev;
    Node next;

    public Node(int data) {
        this.data = data;
        this.prev = null;
        this.next = null;
    }
}
```

```
public class DoublyLinkedList {
    Node head;

    public DoublyLinkedList() {
        this.head = null;
    }

    public void insert(int data) {
        Node newNode = new Node(data);
        if (head == null) {
            head = newNode;
        } else {
            Node current = head;
            while (current.next != null) {
                current = current.next;
            }
            current.next = newNode;
            newNode.prev = current;
        }
    }

    public void delete(int data) {
        if (head == null) {
            return;
        }
        if (head.data == data) {
            head = head.next;
            if (head != null) {
                head.prev = null;
```

```
            }
            return;
        }
        Node current = head;
        while (current != null && current.data != data) {
            current = current.next;
        }
        if (current == null) {
            return;
        }
        if (current.next != null) {
            current.next.prev = current.prev;
        }
        current.prev.next = current.next;
    }

    public void display()
    {
        Node current = head;
        while (current != null) {
            System.out.print(current.data + " ");
            current = current.next;
        }
        System.out.println();
    }
public static void main(String[] args)
{
     DoublyLinkedList d = new DoublyLinkedList();
     d.insert(5);
     d.insert(8);
     d.insert(9);
     d.insert(15);
     d.display();
     d.delete(9);
     d.display();
}
```

Output: