```java
class Node {
    int data;
    Node next;

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

class LinkedList {
    Node head;

    void deleteKey(int key) {
        if (head == null) {
            System.out.println("The list is empty.");
            return;
        }

        if (head.data == key) {
            head = head.next;
            return;
        }

        Node currNode = head;
        Node prevNode = null;

        while (currNode != null && currNode.data != key) {
            prevNode = currNode;
            currNode = currNode.next;
        }
```

```java
            if (currNode == null) {

                System.out.println("The key is not found in the list.");

                return;

            }


            prevNode.next = currNode.next;

        }


    void displayList() {

        Node currNode = head;

        while (currNode != null) {

            System.out.print(currNode.data + " ");

            currNode = currNode.next;

        }

        System.out.println();

    }

}


public class DeleteFirstOccurrence {

    public static void main(String[] args) {

        LinkedList linkedList = new LinkedList();


        // Adding elements to the linked list

        linkedList.head = new Node(10);

        linkedList.head.next = new Node(20);

        linkedList.head.next.next = new Node(30);

        linkedList.head.next.next.next = new Node(40);

        linkedList.head.next.next.next.next = new Node(50);


        System.out.println("Original Linked List:");
```

```
        linkedList.displayList();


        int key = 30;

        linkedList.deleteKey(key);


        System.out.println("Linked List after deleting first occurrence of " + key + ":");

        linkedList.displayList();

    }

}
```