

```
import java.util.LinkedList;

import java.util.Queue;

public class QueueExample {

    public static void main(String[] args) {

        Queue<Integer> queue = new LinkedList<>();

        queue.offer(10);
        queue.offer(20);
        queue.offer(30);
        queue.offer(40);
        queue.offer(50);

        System.out.println("Queue after inserting elements: " + queue);

        int removedElement1 = queue.poll();
        System.out.println("Removed element from the queue: " + removedElement1);
        System.out.println("Queue after removing an element: " + queue);

        int removedElement2 = queue.poll();
        System.out.println("Removed element from the queue: " + removedElement2);
        System.out.println("Queue after removing an element: " + queue);

        int frontElement = queue.peek();
        System.out.println("Element at the front of the queue: " + frontElement);
        System.out.println("Queue after peeking at the front element: " + queue);
    }
}
```

