import java.util.LinkedList;

import java.util.Queue;

public class QueueExample {

public static void main(String[] args) {

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

// add(E element)

queue.add("Apple");

queue.add("Banana");

queue.add("Cherry");

System.out.println("Queue: " + queue); // Output: Queue: [Apple, Banana, Cherry]

// offer(E element)

boolean isOffered = queue.offer("Durian");

System.out.println("Offered: " + isOffered); // Output: Offered: true

System.out.println("Queue: " + queue); // Output: Queue: [Apple, Banana, Cherry, Durian]

// remove()

String removedElement = queue.remove();

System.out.println("Removed Element: " + removedElement); // Output: Removed Element: Apple

System.out.println("Queue: " + queue); // Output: Queue: [Banana, Cherry, Durian]

// poll()

String polledElement = queue.poll();

System.out.println("Polled Element: " + polledElement); // Output: Polled Element: Banana

System.out.println("Queue: " + queue); // Output: Queue: [Cherry, Durian]

// element()

String frontElement = queue.element();

System.out.println("Front Element: " + frontElement); // Output: Front Element: Cherry

// Printing the remaining elements using a loop

System.out.print("Remaining Elements: ");

while (!queue.isEmpty()) {

System.out.print(queue.poll() + " ");

}

System.out.println(); // Output: Remaining Elements: Cherry Durian

}

}

Adding to SIZE FUNCTION , PEEK FUNCTION, ISEMPTY FUNCTION