

## 9. Write a program in Java to insert and remove elements in a queue

```
package javaFsd3;

import java.util.LinkedList;
import java.util.Queue;

public class QueueExample {

    public static void main(String[] args) {

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

        // Inserting elements into the queue
        queue.offer("Apple");
        queue.offer("Kova");
        queue.offer("Banana");
        queue.offer("Orange");

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

        // Removing elements from the queue
        String removedElement = queue.poll();
        System.out.println("Removed element: " + removedElement);

        System.out.println("Queue after removal: " + queue);
    }
}
```

## Output

Console ×

```
<terminated> QueueExample [Java Application] C:\Users\JOTHIKA\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jdk\bin\java.exe -Xms128m -Xmx1024m -Djava.awt.headless=true -Djava.class.path=.\QueueExample.jar -Djava.library.path=.\lib\libQueueExample.dll -jar QueueExample.jar  
Queue: [Apple, Kova, Banana, Orange]  
Removed element: Apple  
Queue after removal: [Kova, Banana, Orange]
```