

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

```
package com.assin.solution;
```

```
import java.util.LinkedList;
```

```
import java.util.Queue;
```

```
public class Queueex {
```

```
    public static void main(String[] args) {
```

```
        // Creating a queue
```

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

```
        // Inserting elements into the queue
```

```
        queue.add(10);
```

```
        queue.add(20);
```

```
        queue.add(30);
```

```
        queue.add(40);
```

```
        queue.add(50);
```

```
        // Displaying
```

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

```
        // Removing
```

```
        int removedElement = queue.remove();
```

```
        System.out.println("Removed element: " + removedElement);
```

```
        // Displaying
```

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

```
        // Inserting
```

```
        queue.add(60);
```

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

```
    }
```

```
}
```