

## Phase-1 Practice Project: Assisted Practice

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

source code:

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

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

```
class Elementinqueue {
```

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

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

```
        numbers.offer(1);
```

```
        numbers.offer(2);
```

```
        numbers.offer(3);
```

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

```
        int removedNumber = numbers.poll();
```

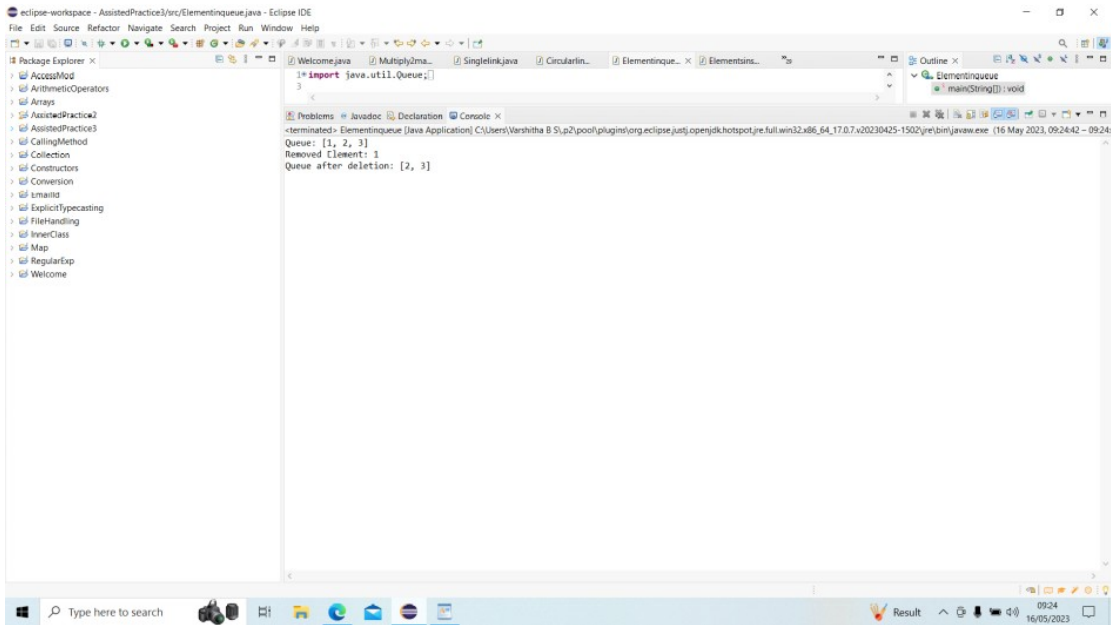
```
        System.out.println("Removed Element: " + removedNumber);
```

```
        System.out.println("Queue after deletion: " + numbers);
```

}

}

output:



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left lists several packages, including 'AssistedPractice2'. The main editor displays a Java file named 'Elementinqueue.java' with the following code:

```
1 *import java.util.Queue;
3
```

The Console window at the bottom shows the output of the program:

```
-terminated- Elementinqueue [Java Application] C:\Users\Varshitha B S\AppData\Local\Temp\org.eclipse.jdt.launcher\org.eclipse.jdt.launcher.win32.x86_64_17.0.7.v20230425-1502\jre\bin\java.exe (16 May 2023, 09:24:42 - 09:24:43)
Queue: [1, 2, 3]
Removed [element: 1]
Queue after deletion: [2, 3]
```