

Code : 1

```
package Topic_15_Queues;
```

```
import java.util.*;
```

```
public class QueueDemo {
```

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

```
        // Write your code here
```

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

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

```
        queue.add(20); // 10, 20
```

```
        queue.add(30); // 10, 20, 30
```

```
        System.out.println(queue); // 10, 20, 30
```

```
        System.out.println(queue.peek()); // 10 -> 10, 20, 30
```

```
        queue.remove(); // 20, 30
```

```
        System.out.println(queue); // 20, 30
```

```
        System.out.println(queue.peek()); // 20 -> 20, 30
```

```
        queue.remove(); // 30
```

```
        System.out.println(queue); // 30
```

```
        System.out.println(queue.peek()); // 30 -> 30
```

```
        queue.remove(); //
```

```
        System.out.println(queue.peek());
```

```
    }
```

```
}
```

