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//Program to demonstrate a Queue
package com.tnsif.collection.queue;

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

public class QueueDemo {
    public static void main(String[] args)
    {
        Queue<Integer> q
            = new LinkedList<>();

        // Adds elements {0, 1, 2, 3, 4} to
        // the queue
        for (int i = 0; i < 5; i++)
            q.add(i);

        // Display contents of the queue.
        System.out.println("Elements of queue "
            + q);

        // To remove the head of queue.
        int removedele = q.remove();
        System.out.println("removed element-"
            + removedele);

        System.out.println(q);

        // To view the head of queue
        int head = q.peek();
        System.out.println("head of queue-"
            + head);

        // Rest all methods of collection
        // interface like size and contains
```

```
// can be used with this
// implementation.
int size = q.size();
System.out.println("Size of queue-"
                  + size);
}
}
```