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

import java.util.Iterator;
import java.util.PriorityQueue;
import java.util.Queue;

public class PriorityQueueDemo {

    public static void main(String args[]) {
        Queue<String> pq = new PriorityQueue<>();

        pq.add("Core Java");
        pq.add("React");
        pq.add("HTML");
        pq.add("Angular");

        System.out.println(pq);
        pq.remove("Angular");

        System.out.println("After Remove " + pq);

        System.out.println("Poll Method " + pq.poll());

        System.out.println("Final Queue " + pq);

        Iterator<String> iterator = pq.iterator();

        while (iterator.hasNext()) {
            System.out.print(iterator.next() + " ");
        }

        // Printing the top element of
        // the PriorityQueue
        System.out.println(pq.peek());
    }
}
```

```
// Printing the top element and removing it
// from the PriorityQueue container
System.out.println(pq.poll());

// Printing the top element again
System.out.println(pq.peek());
}

}
```