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package oop2;

import java.util.Arrays;

class Time implements Comparable<Time> {
    private int h, m, s;

    public Time(int h, int m, int s) {
        super();
        this.h = h;
        this.m = m;
        this.s = s;
    }

    public int totalSeconds() {
        return this.h * 3600 + this.m * 60 + this.s;
    }

    @Override
    public String toString() {
        return "Time [h=" + h + ", m=" + m + ", s=" + s + "]";
    }

    // @Override
    public int compareTo(Time other) {
        System.out.println("compareTo");
        return this.totalSeconds() - other.totalSeconds();
    }
}

public class TestTime {
    public static void main(String[] args) {
        Time[] times = { new Time(10, 20, 30), new Time(1, 2, 3), new Time(10, 10, 10) };
        Arrays.sort(times);

        for (var t : times)
            System.out.println(t);
    }
}
```