

```
/**
 * Generates and prints random integers in the range [0,10),
 * as long as they form a non-decreasing sequence.
 */
public class InOrder {
    public static void main (String[] args) {
        // defining 2 ints and setting num2 as a random num
        //between 0 inc and 10
        int num1 = 0;
        int num2 = (int)(Math.random() * 10);

        // defining a loop while the number that was generated is bigger or even
        // to the number befor it prints it
        while (num1 <= num2){
            System.out.println(num2);
            num1 = num2;
            num2 = (int)(Math.random() * 10);
        }
    }
}
```