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public class TestRandom {

    private static void exercise(RandomWithParity r, int range, int count) {
        for (int i = 0; i < count; i++) {
            System.out.print(r.generateNumber(range) + " ");
        }
        System.out.println();
    }

    public static void main(String[] args) {
        System.out.println("Using an AlternatingCoin:");
        System.out.println("range = 7");
        exercise(new AlternatingCoin(), 7, 20);

        System.out.println("range = 1");
        exercise(new AlternatingCoin(), 1, 20);

        System.out.println("range = Integer.MAX_VALUE-1");
        exercise(new AlternatingCoin(), Integer.MAX_VALUE-1, 20);

        System.out.println("=====");

        System.out.println("Testing an UnfilteredRandom:");
        System.out.println("range = 7");
        exercise(new UnfilteredRandom(), 7, 20);

        System.out.println("range = 1");
        exercise(new UnfilteredRandom(), 1, 20);

        System.out.println("range = Integer.MAX_VALUE-1");
        exercise(new UnfilteredRandom(), Integer.MAX_VALUE-1, 20);
    }
}
```