

```
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);  
    }  
}
```