

## Chapter 9 random

Here is my code

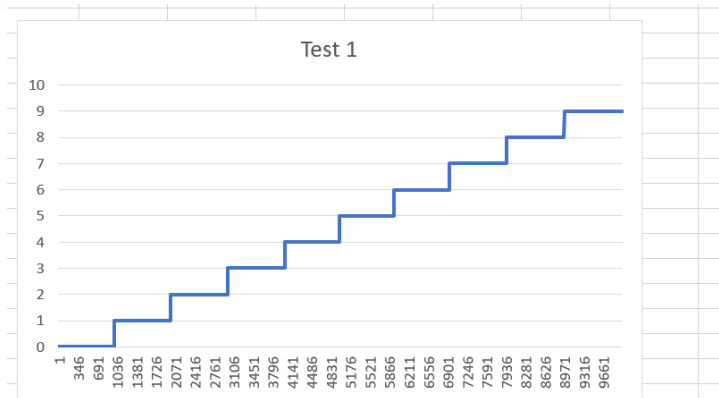
```
import java.util.Random;

public class chapter9random {
    public static int nextInt(int range){
        Random ran = new Random();
        int inrand = ran.nextInt(range);
        return inrand;
    }

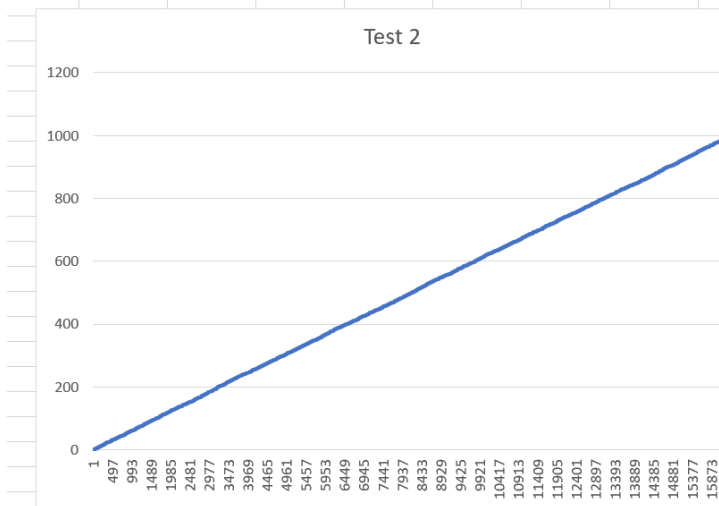
    public static void main(String[] args) {
        int bound1 = 10;
        int bound2 = 1000;

        for(int i = 0; i < 100000000; i++){
            System.out.println(nextInt(bound2));
        }
    }
}
```

Here is my charts



the distribution at first looks pretty even  
in the second chart it is hard to see since  
the range is so far apart but it is moving  
show how many times 0-999 repeats.



if we are speaking in it has to be exact terms then yes some numbers were statically more proven to pop up then others. in my example for the second test 0 popped up 25 time and 1 popped up 20 times so although it is pretty close 1 was more often meaning that statically random number is exactly repeating at what it should be some number have more of a chance.