

```
/**
 * Statistiques sur le nombre de doubles avec deux dés (à 6 faces).
 *
 * @author gamca174 (Gamboa Carlos) / olial319 (Olinger Alex)
 * @version 17/03/2016 07:13:16
 * Classe: 11TG
 */
public class DoubleDice
{
    private int count = 0;
    private int countDoubles = 0;

    public int getNumber(int pMin, int pMax)
    {
        return (int) (Math.random() * (pMax-pMin+1))+pMin;
    }

    public void throwDices()
    {
        int dice1 = getNumber(1, 6);
        int dice2 = getNumber(1, 6);

        count++;

        System.out.print("Dice1="+dice1+" - Dice2="+dice2);

        if (dice1 == dice2)
        {
            countDoubles++;
            System.out.println(" ** DOUBLE **");
        }
        else
        {
            System.out.println();
        }
    }

    public void printThrows(int pN)
    {
        int i;

        i = 1;
        while(i <= pN)
        {
            throwDices();
            i++;
        }
        printStatistics();
    }

    public void printStatistics()
    {
        if (count == 0)
        {
            System.out.println("No throws yet!");
        }
        else
        {
            System.out.println("Count: "+count);
            System.out.println("Doubles: "+countDoubles);
            System.out.println("Probability: "+(double) countDoubles/count);
        }
    }
}
```