```java
/**
 * Class LeapYear determines if years entered by users are leap years.
 * Them determines if five random years within a range are leap years.
 *
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 * @version (3/23/19)
 */
import java.util.*;
public class LeapYear
{
    public static void main(String[] args)
    {
        int input;
        final int MAX=438;
        final int MIN=1582;

        Random rand = new Random();
        Scanner scan =  new Scanner(System.in);
        for(int count=0;count<4;count++)
        {
            System.out.println("Enter a year ");
            input = scan.nextInt();
            if(isLeap(input)==true)
            {
                System.out.println("This year is a leap year");
            }
            else
            {
                System.out.println("This year is not a leap year");
            }
            System.out.println();
        }

        for(int count=0;count<5;count++)
        {
            input = rand.nextInt(MAX)+MIN;
            if(isLeap(input)==true)
            {
                System.out.println(input + ": This year is a leap year");
                System.out.println();
            }
            else
            {
                System.out.println(input +": This year is not a leap year");
                System.out.println();
            }
        }
    }

    public static boolean isLeap (int year)
    {
        boolean answer = true;
        if((year%400 == 0)||((year%4 == 0)&&(year%100 != 0)))
        {answer =true;}
        else
        {answer =false;}
        return answer;
    }
}
```