

<https://course.acciojob.com/idle?question=2b1eaf30-0bdb-48c2-849b-eb982c1b089c>

● EASY

● Max Score: 30 Points

●

Leap Year

Given a year, find if it is a leap year.

A Leap year is the year that is multiple of 4. However, multiples of 100 except for the multiples of 400 are not leap years.

Your task is to complete the function `isLeapYear` which receives the year as its parameter and returns 1 or 0 depending upon if the year is a leap year or not.

Input Format

An integer Y, denoting the year.

Output Format

Return 1, if the given year is a leap year or 0 otherwise.

Example 1

Input

2004

Output

1

Explanation

2004 is divisible 4 by hence it's a leap year

Example 2

Input

2000

Output

1

Explanation

2000 is divisible by 400 hence, it is a leap year.

Example 3

Input

1900

Output

0

Explanation Since 1900 is divisible by 100 but not divisible by 400, so it is not a leap year.

Constraints

$1000 \leq Y \leq 9999$

Topic Tags

- Math
- Basics

My code

// in java

```
import java.util.*;
import java.lang.*;
import java.io.*;
```

```
public class Main
```

```
{
```

```
    static int fun(int n)
```

```
    {
```

```
        if(n%4==0)
```

```
        {
```

```
            if(n%100==0)
```

```
                {if(n%400==0) return 1;
```

```
                else return 0;}
```

```
        else return 1;
```

```
        }
```

```
        else return 0;
```

```
    }
```

```
    public static void main (String[] args) throws java.lang.Exception
```

```
    {
```

```
        //System.out.println("Hello World");
```

```
/*      it is also corect.
```

```
Scanner s=new Scanner(System.in);
```

```
    int n=s.nextInt();
```

```
    if(n%4==0)
```

```
    {
```

```
        if(n%100==0)
```

```
            {if(n%400==0) System.out.print("1");
```

```
            else System.out.print("0");}
```

```
else System.out.print("1");  
    }  
    else System.out.print("0");*/
```

```
Scanner s=new Scanner(System.in);  
    int n=s.nextInt();  
System.out.print(fun(n));
```

```
    }  
}
```