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rudhran\_b\_2020\_1 ▾

[All Contests](#) > [PL-2022-Lab-03](#) > [PL-2022-C-Is It a Leap Year?](#)

# PL-2022-C-Is It a Leap Year?

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Problem

Submissions

Leaderboard

Discussions

Most years have 365 days. However, the time required for the Earth to orbit the Sun is actually slightly more than that. As a result, an extra day, February 29, is included in some years to correct for this difference. Such years are referred to as leap years. The rules for determining whether or not a year is a leap year follow:

- Any year that is divisible by 400 is a leap year.
- Of the remaining years, any year that is divisible by 100 is not a leap year.
- Of the remaining years, any year that is divisible by 4 is a leap year.
- All other years are not leap years.

Write a program that reads a year from the user and displays a message indicating whether or not it is a leap year.

## Input Format

-

## Constraints

-

## Output Format

-

## Sample Input 0

2000

## Sample Output 0

Leap Year

## Sample Input 1

2100

## Sample Output 1

Not a Leap Year

Submissions: 756

Max Score: 100

Difficulty: Medium

Rate This Challenge:

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C



```
1 ▼ #include <stdio.h>
2  #include <string.h>
3  #include <math.h>
4  #include <stdlib.h>
5
6 ▼ int main() {
7
8 ▼     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     int year;
10    scanf("%d",&year);
11 ▼    if(((year%4==0)&&(year%100!=0)) || (year%400==0)){
12        printf("Leap Year");
13    }
14 ▼    else{
15        printf("Not a Leap Year");
16    }
17    return 0;
18 }
19
```

Line: 1 Col: 1

 Upload Code as File ☐ Test against custom input

Run Code

Submit Code