Basics

What is a leap year?

Leap year is a year having 366 days.

The extra day is the 29th February.

Leap year arrives after every four years.

Note: every year that is exactly divisible by 4 is a leap year, except the centurial year that is exactly divisible by 100. But these centurial years are leap years if they are exactly divisible by 400

How to check whether a year is a leap year or not?

>> If a year is divisible by 400 then it is a leap year.

For example: 2000 is divisible by 400. Therefore it is a leap year

>> If a year is not divisible by 400 but it is divisible by 100 then it is not a leap year.

For example: 1900 is divisible by 100 but not 400. Therefore it is not a leap year

>> If a year is not divisible by 400 and not divisible by 100 but it is divisible by 4 then it is a leap year

For example: 2012 is not divisible by 400 and not divisible by 100 but it is divisible by 4. Therefore it is a leap year

Management

Projects | Symbols

Workspace

Start here   leap_year.c

```c
#include <stdio.h>

int main() {
    int year;
    printf("Enter the year: ");
    scanf("%d", &year);

    if(year % 400 == 0)
        printf("%d is a leap year", year);
    else if(year % 100 == 0)
        printf("%d is not a leap year", year);
    else if(year % 4 == 0)
        printf("%d is a leap year", year);
    else
        printf("%d is not a leap year", year);
    return 0;
}
```