

# Assignment1

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```
public bool isLeapYear(int year)
{
    if (year < 1582)
    {
        System.Console.WriteLine("The year must be greater than 1582");
        return false;
    }

    if (year % 400 == 0)
    {
        System.Console.WriteLine("Yay!");
        return true;
    }

    System.Console.WriteLine("Nay!");
    return false;
}
```

Figure 1: isLeapYear method

The method here will first check if the input from the user is greater than 1582 which is stated as one of the requirements. If so we return false.

Afterwards we will be checking if the year is a leap year with a simple mathematical formula. If the year modulo 400 is equal to 0, then we know it is a leap year and we return true. In all other cases we simply return false.

The error handling has been done in the main method by applying a try catch block around the code for user input.