

Week0 - Leap Year

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1 Leap Year - function

The program takes a user's input, converts it to a year (int) and tells the user whether the given year is a leap year.

The input goes through a try/catch block to check if the standard .NET library can convert it to a valid year (int). If not, it will display an error message in the terminal.

With an If/else-block, it will check if the year is 0, and with another if-statement, if it is before 1582. If so the program terminates with an error message. Else the program will call the method isLeapYear to determine if the year is a leap year.

IsLeapYear takes the year as an argument, and uses an if/else statement with modulo condition to determine if the year is divided by 4, if not the program will say "Nay!". If true it will check for, not divided by, 100 but is divided by 400. If true, the program will say "Yay!" and if not "Nay!".

The program will terminate after a successful attempt and after a failure, forcing the user to restart to try again.

