LeapYear Algorithm

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1   Description of algorithm

When the terminal receives the input, 'dotnet run -p BSDA21', the program is executed. Here, the terminal asks for an input, which must be a year represented by integers (though it is read as a string at first). Now, the program checks whether the year entered is before 1582. If this is the case, the terminal will output the error message: "The year must be from 1582 or later!". If the year however is of 1582 or later, the year is approved and the value is set to this input. The program also checks whether the input is a string, which can be converted into an integer. If the input is "Hello" for instance, the terminal will output the error message "Please type in a year using integer". If the input is approved in both cases stated above, the program will terminate whether the input year is a leap year or not - printing "yay" in the terminal if it is, and printing "nay" in the terminal if not.