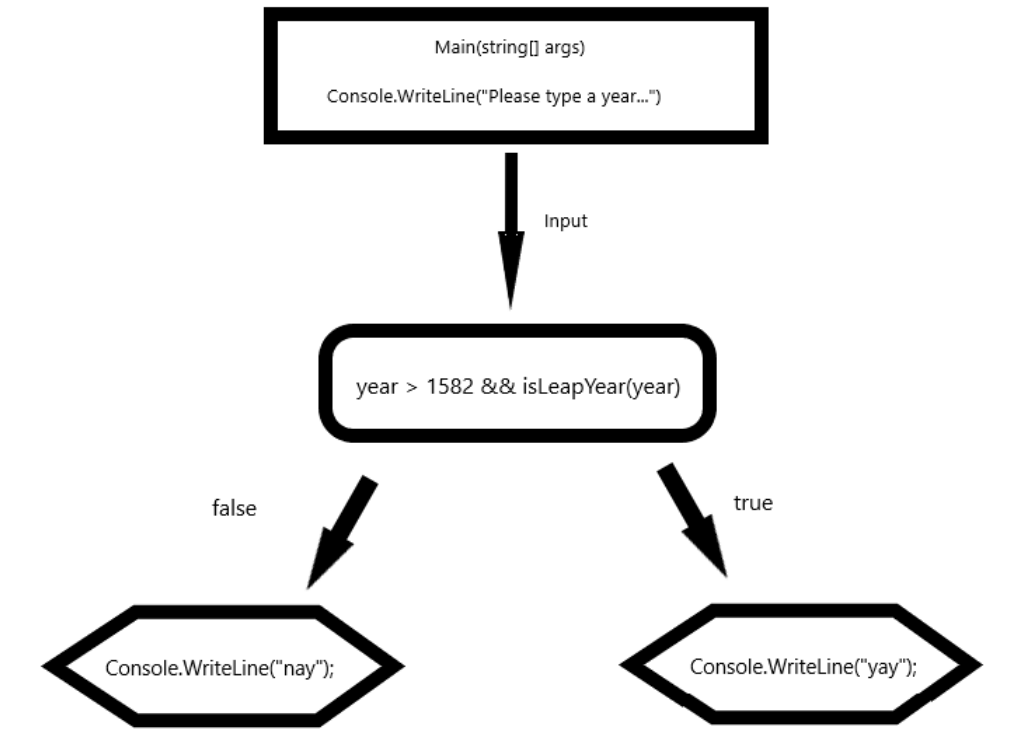


BDSA-Assignment0

carbr@itu.dk

September 2021

Exercise 8 - Documenting code



1 Exercise 9 - LaTeX

The algorithm above works by prompting the user for a specific year input. The point of the algorithm is to return whether or not the given year is a leap year.

A static `isLeapYear` method has been defined, taking an integer argument, `year`. Through if-statements, the integer is first checked to be divisible by 4, this is done with the modulo operator. If that statement is false, we know it cannot be a leap year. If it is true however, we check if the year is divisible by 100, if it is not, we know it is a leap year. Otherwise it is not a leap year unless it is divisible by 400 as well. Finally the method returns a bool, namely whether or not the input is a leap year, outputting "yay" for true and "nay" for false.

Do note that the year input has to be of year 1582 or more for the program to run, otherwise an exception is thrown and the user is prompted to try again with an input above 1582.