BDSA - Assignment 0

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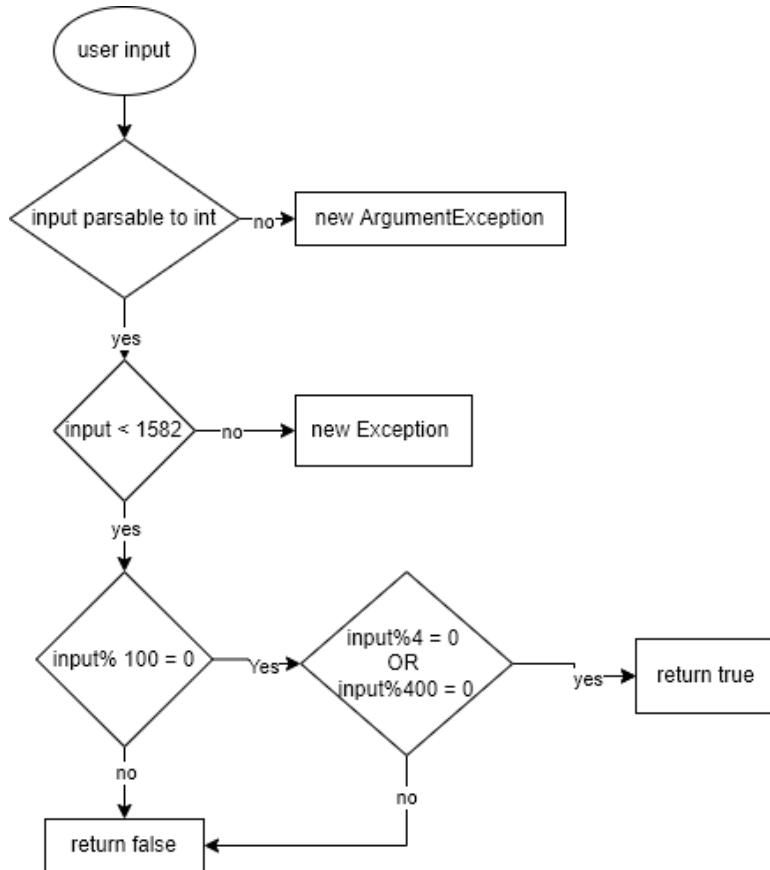
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1   Exercise 7

Figure 1: Diagram of algorithm used in Assignment 0

How it works:

1. Take user input

2. Convert string input from user in console to integer

    (a) if input is not a parsable to an integer, an ArgumentException is thrown

3. if input is able to parse to an integer, use it as argument in the IsLeapYear method

4. Check if the number is above 1582

    (a) if no, an Exception is thrown

5. Check if the number is divisible by 100

    (a) if no, return true, it is a leap year

    (b) if yes, check if the number is divisible by 4 AND divisible by 400

        i. if no return false, it is not a leap year

        ii. if yes, return true, it is a leap year

2 Github Repo

https://github.com/katrinesando/Assignment0