

Assignment 0, BDSA

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As seen in the figure below, the function *isLeapYear()* is called with an integer as input. Next is error handling, where the program only accepts years before 1582. If the year is not accepted, the program throws an exception and quits. If the year is accepted, it is then checked if it is a leap year. If it is divisible by 400, it is always a leap year, which returns true. If it is not divisible by 400, but divisible by 100, it returns false. In the end, it returns true or false depending on whether it is divisible by 4 or not, respectively.

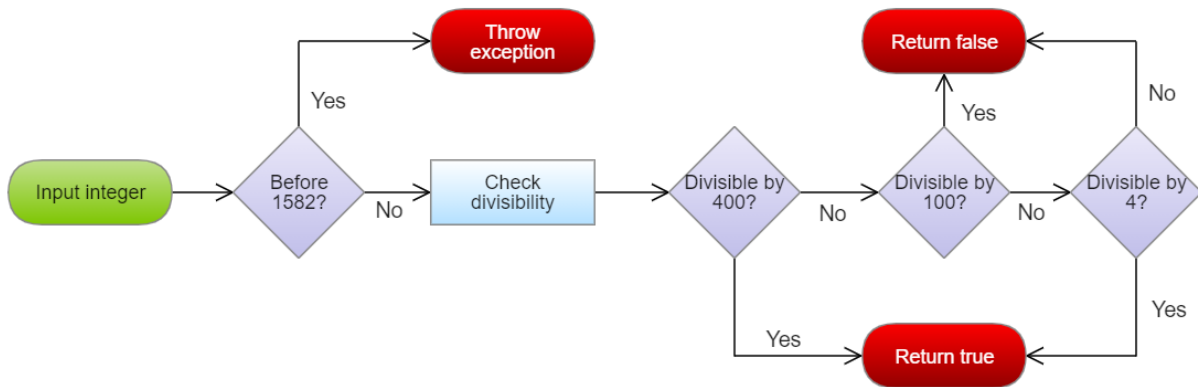


Figure 1: Flowchart