

Assignment 00 bdsa

kbej

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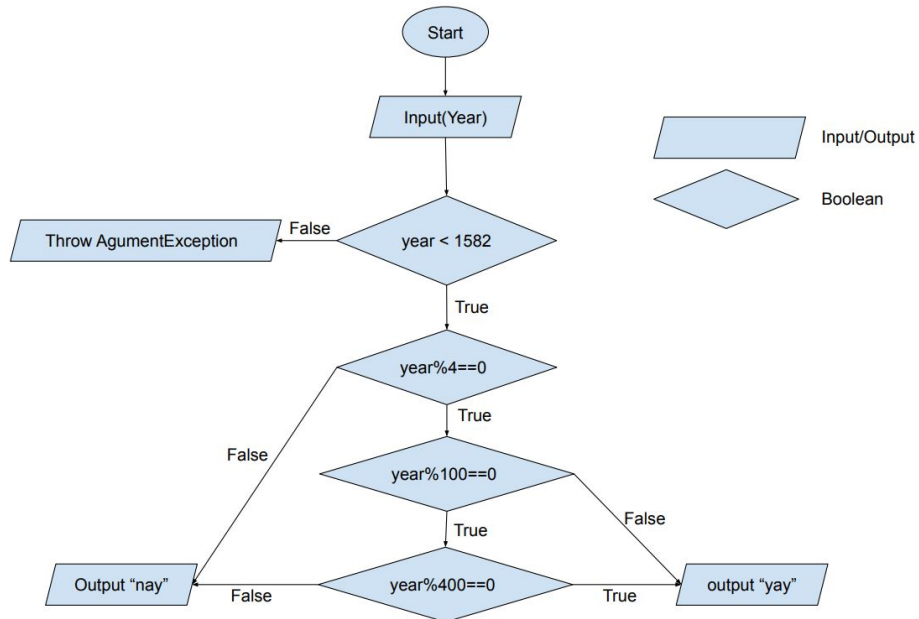


Figure 1: Leap Year Algorithm

The Algorithm shown in Figur 1 finds out if a year is a leap year or not. The Algorithm start getting a year, then it checks if the year is before 1582. Becuase it should only work on years from 1582. It then checks if the year is divisible by 4, as every 4 years is a leap year. Then it checks for the year being divisible for 100 and divisible for 400. If it divides 400 then it is a leap year, but if it divides 100 and not 400 then its not a leap year. It then answers with either nay or yay answering it the given year is a leap year or not.