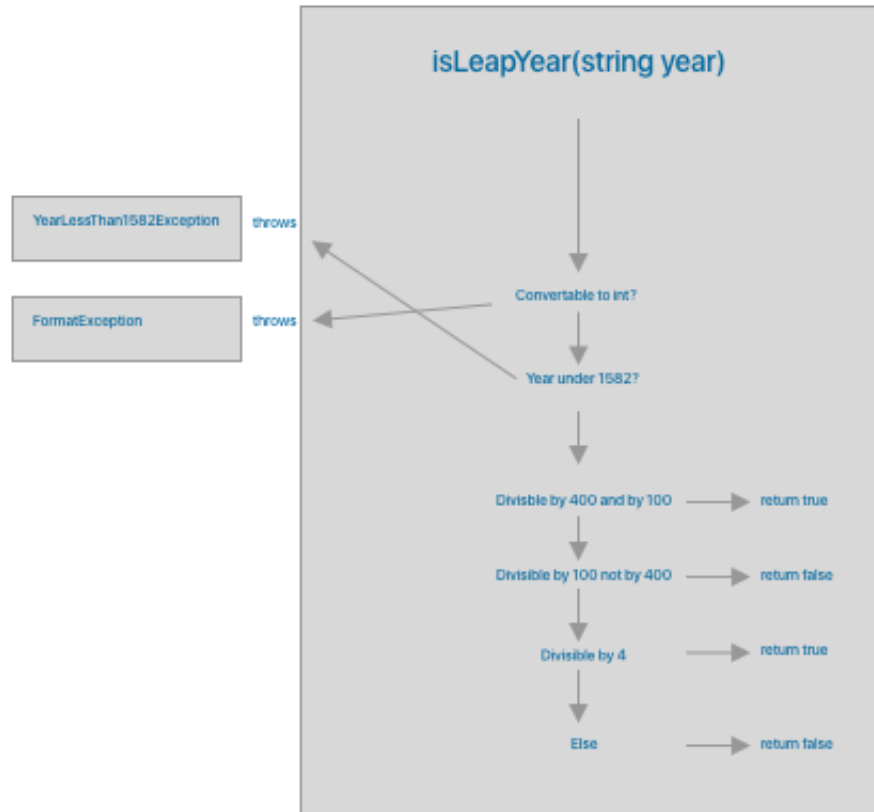


## 1 Exercise 9: Description of Algorithm in Assignment 00

### Diagram



### Description

The function `isLeapYear` takes a string and converts it to an int. In case the string isn't convertible to an int it throws an `FormatException`. If the string is indeed convertible to an int it checks whether the year is less than 1582. If it is less it throws a `YearLessThan1582Exception`. Otherwise it checks if the year is divisible by both 400 and 100. If so it returns `true`. If not it checks whether the year is divisible by 100 and not 400 and returns `false` if so. At last it checks if the year is divisible by 4. If so it returns `true` - otherwise it returns `false`.