Assignment0 LeapYear Flowchart

Alesc
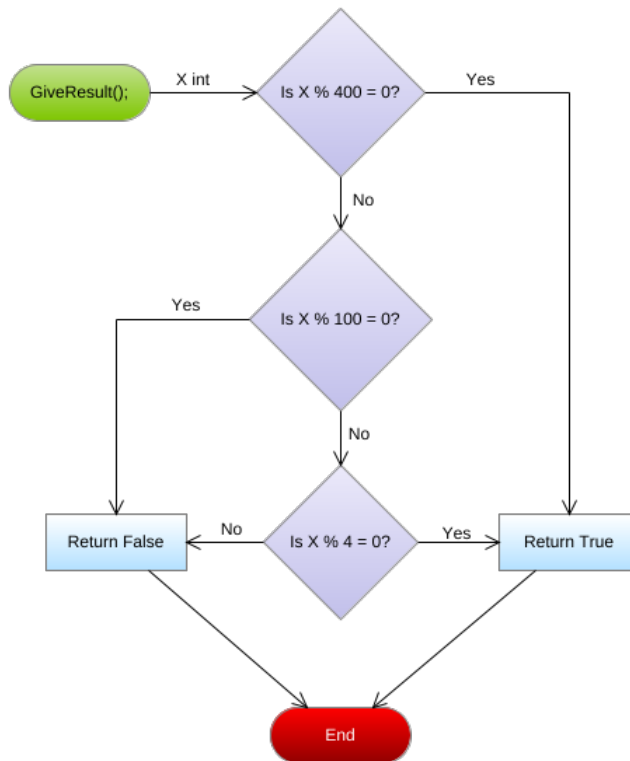
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1 Picture description

The method isLeapYear is called by the method GiveResult() with a number above 0. IsLeapYear() will return true is it is and false if it isnt.

It is a leap year if it is divisible by 4 and 400 or it is divisible 4 and not 100.

The method first checks if it is divisible by 400. Then it is also divisible by 4 and must therefore be a LeapYear, so it returns true and ends. If it isnt then it continues.

It the checks if the year is divisible by 100, if so it cant be a leap year, and return false and ends. If it isnt divisible by 100 it proceeds.

Since it isnt divisible by 100, it can be a leapyear if it is divisible by 4. If so it returns true, if not it returns false. After the last check the method ends regardless of what is returned.