Exercise 9

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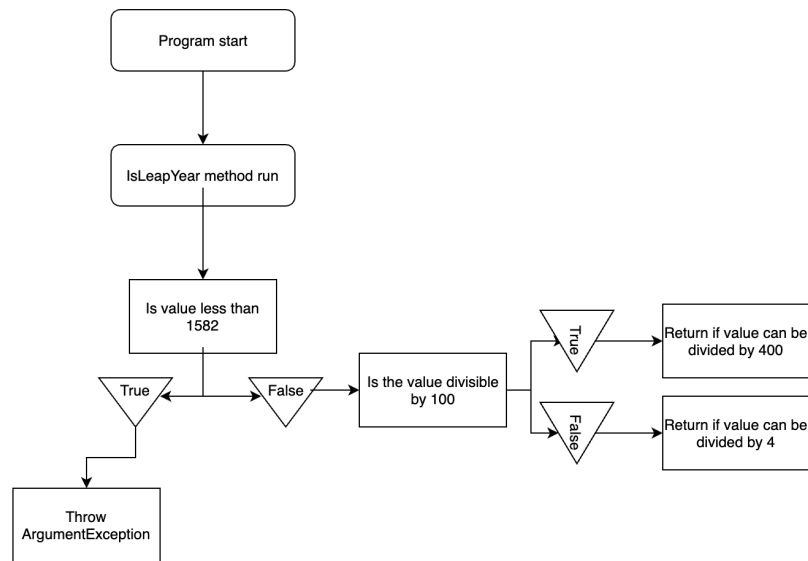

Figure 1: Diagram of the IsLeapYear algorithm

The method **IsLeapYear** takes an int parameter referenced as **year**. The method will throw an **ArgumentException** if the year is less then **1582**. The method returns a boolean, which is true if the given year is a leap year.

When the method is called then it checks if the given value is less than **1582**. If this is true then it throws the **ArgumentException**.

If it is false then it checks if the value is divisible by 100. When this condition is true the method will return true if the value can be devided by 400. If the condition is not met then the method will return true if the value is divisible with 4, otherwise it will return false.