



Figure 1: Flowchart of IsLeapYear algorithm

As seen in the above figure, the *IsLeapYear* method takes a parameter *year*, and returns either a boolean *false* or *true*. Furthermore, it checks if the value of *year* is divisible by 4. If it is not divisible, the algorithm returns false. Otherwise, an inner if-statement will check if *year* is divisible by 100. If it isn't, the method will return true. Otherwise, the program will go on to check if the value is divisible by 400. If this is the case, the algorithm will return true, and false otherwise.