assignment 00

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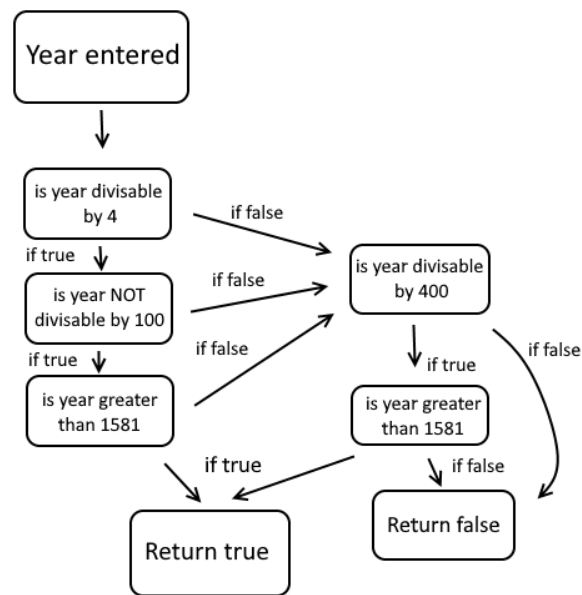September 2022

1 Diagram described

Figure 1: Diagram of algorithm

first the program writes a message to the user prompting them to input a date, if the user enters a valid integer as a year, the algorithm will then

first check if the year is divisable by 4, the year is not divisable by 100, and if it is greater than 1581. If all of these conditions are true, the algorithm will return true. If any of these are false, it will check if the year is divisable by 400, and if it is greater than 1581, if these are true it will also return true, although if any of those two fail, it will return false.