assignment 0

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The Diagram below shows the progress of determinating whether or not the input year is a leapyear. The first step is to find out, if the input is parseable to an integer or not. If it is not the case, for example if the input is of type string or double, an exception will be thrown and the program will exit, with a message, that the input should come in form of an integer. If the input is parseable the program will move in. The next step is a check if the input year is smaller or bigger than 1581. In case the year is smaller (happend before 1581) the system will exit and tell the user, that the input year should be bigger than 1581. Hereafter the program checks if the input year is a leapyear or not. If the year is divisible by 4 or 400, the year is a leapyear and the program will respond with "yay". in case the year isn't a leapyear the program will respond with "nay".