1. User gives the year in form of a console input.

2. The algorithm tries to convert the input to a integer

3. Throws an error if it fails to convert

4. Checks if the input is a year before 1582

5. Throws an exception if the year is not valid

6. Parse the converted user input to isLeapYear()

7. This method parses the input to the datetime library more specifically the isleapyear() function.

8. Prints "yay" or "nay" depending on the boolean that is returned.