

Flowchart of how the leap year program works

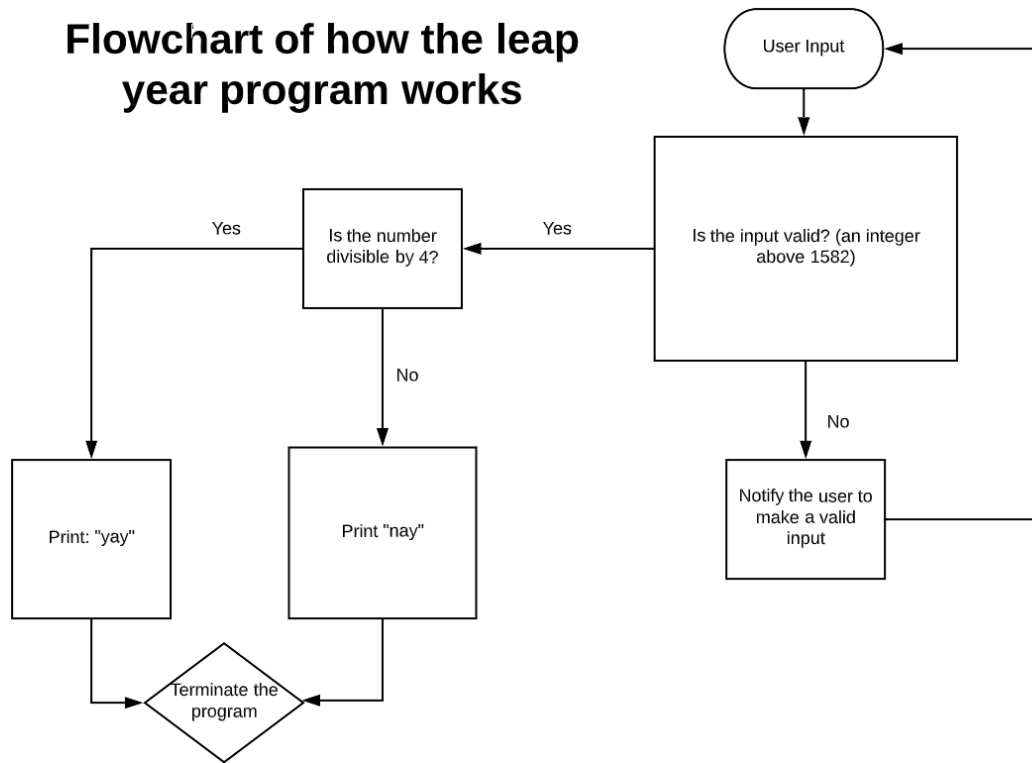


Figure 1: Leap year Program flow chart

The figure above is a flowchart depicting the flow of input and the decision making the program is going through, first the user will be notified of the programs functionality and will ask for a year after 1582 where after the program will notify the user if the year is a leap year. If the user inputs a number below or equal to 1582 the program will ask for a valid input, with the same guidelines. The same will happen if the user inputs a word or a null input.

if the user does input a number above 1582 the program will calculate if the number is divisible by 4 (and therefore should be a leap year) where the program will then proceed to answer "yay" or "nay" based on if the input is a leap year or not.