

5.1.1

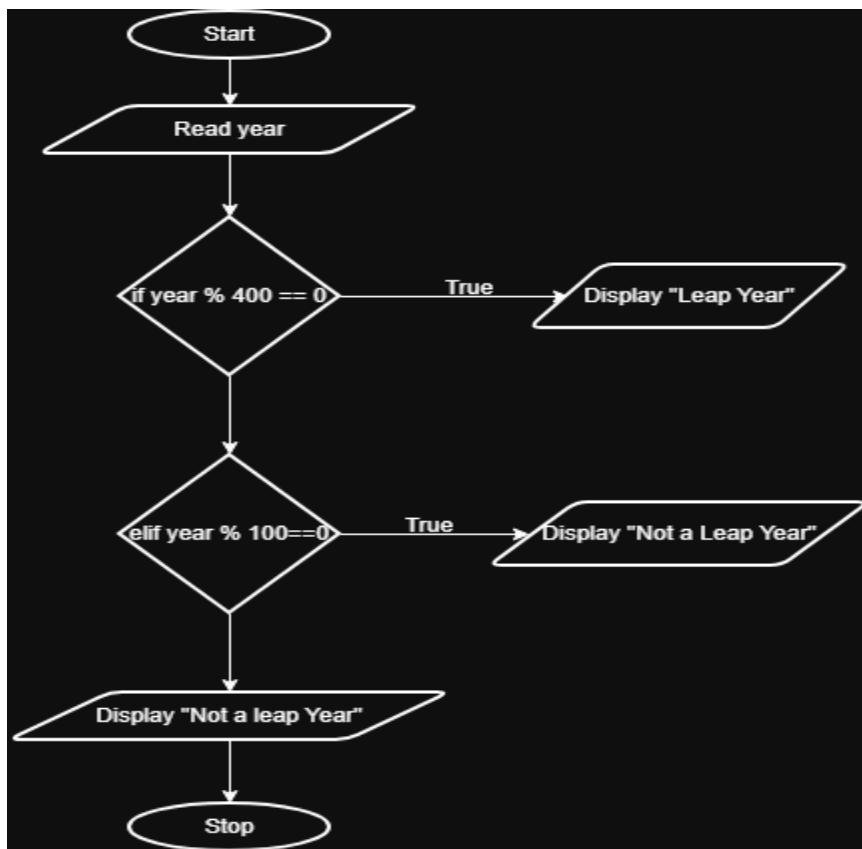
Problem Statement

Write a Python program that prompts the user to enter a year. The program should determine if the year is a leap year or not and print the appropriate message.

Algorithm

1. Start.
2. Read the year from the user.
3. If the year is divisible by 400 → Print “**Leap Year.**”
4. Else if the year is divisible by 100 → Print “**Not a Leap Year.**”
5. Else if the year is divisible by 4 → Print “**Leap Year.**”
6. Else → Print “**Not a Leap Year.**”
7. stop.

FLOWCHART:



CODE:

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5.1.1. Leap Year Checker 00:43 A C ↻

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Write a Python program that prompts the user to enter a year. The program should determine if the year is a leap year or not and print the appropriate message.

Input Format:
• A single line contains an integer representing the year.

Output Format:
• Print "Leap year" if it is a leap year. Otherwise, print "Not a leap year".

leapYear.py

```
1     year = int(input())
2
3     if year % 400 == 0:
4         print("Leap year")
5     elif year % 100 == 0:
6         print("Not a leap year")
7     elif year % 4 == 0:
8         print("Leap year")
9     else:
10        print("Not a leap year")
```

Sample Test Cases +

Terminal Test cases

