

5.1.1

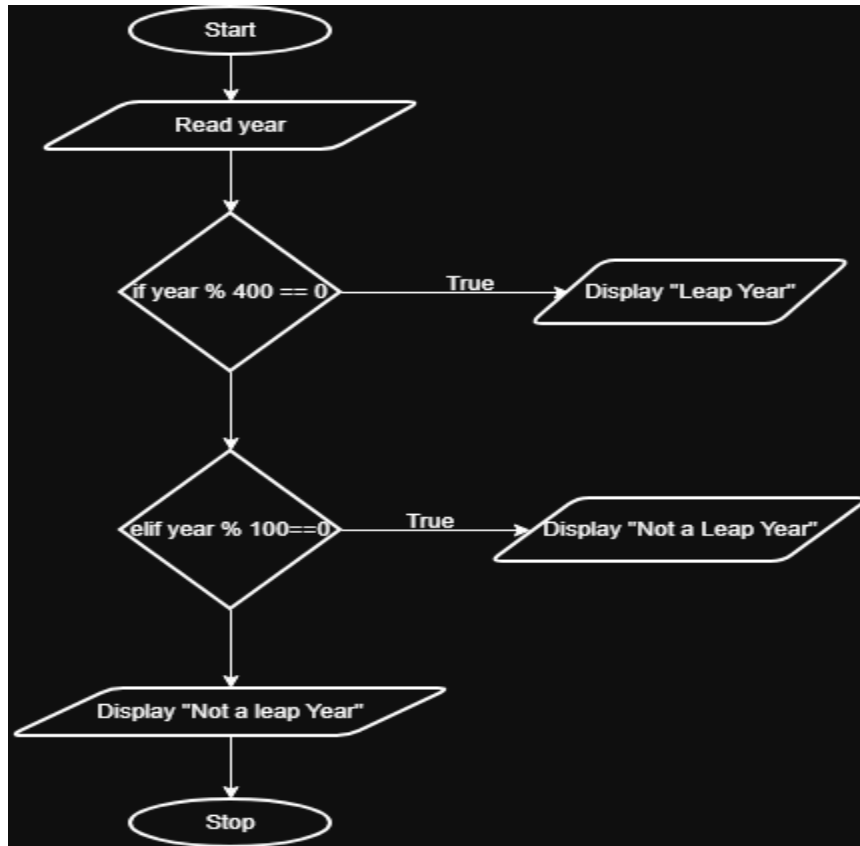
Problem Statement

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:

CODETANTRA

Home

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5.1.1. Leap Year Checker

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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".

Sample Test Cases

leapYear.py

Submit

```
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")
```

Terminal

Test cases

Debugger

