

## Experiment 5.1.1

**Aim:-** 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:-**

**Step 1:** Start

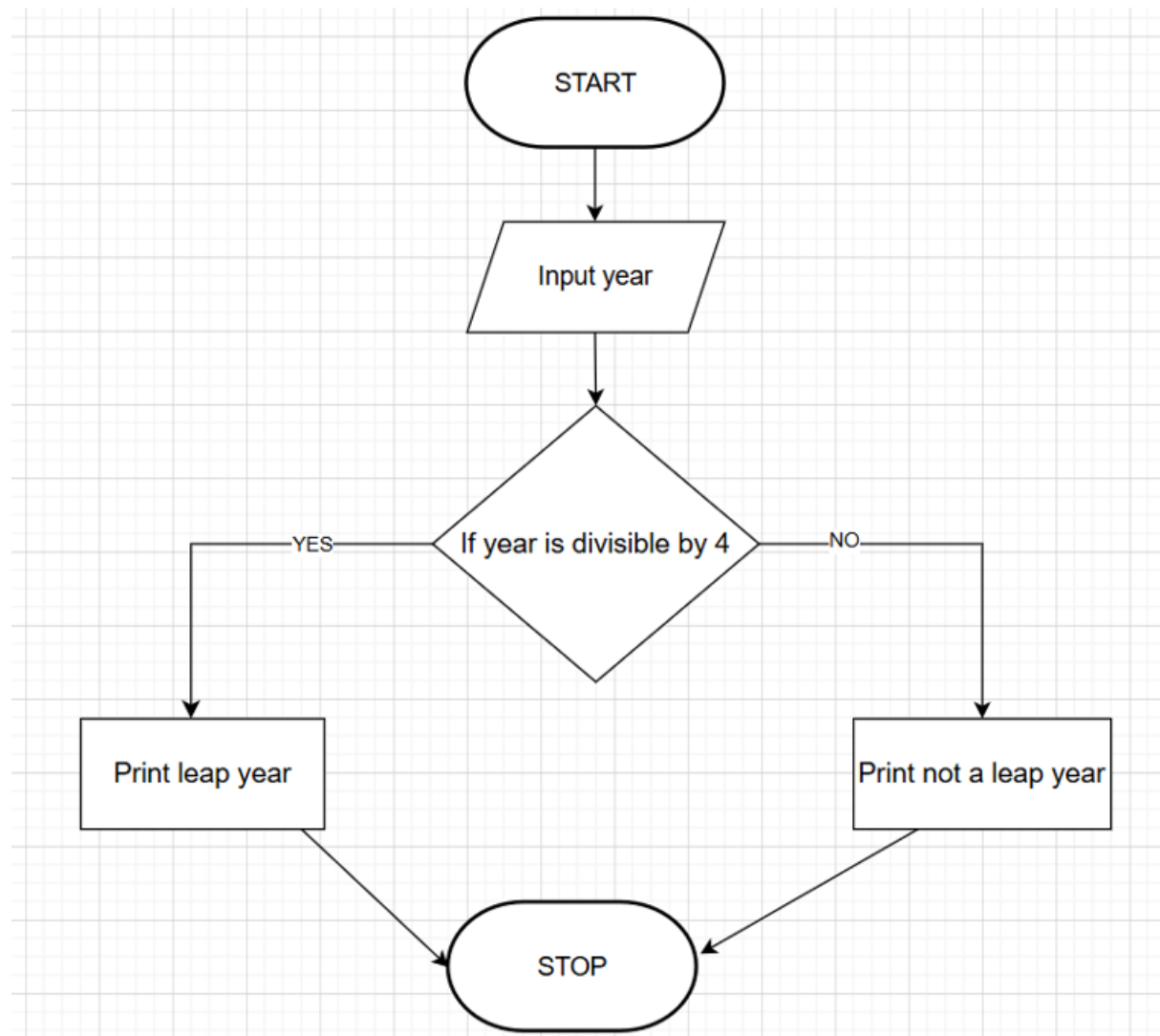
**Step 2:** Read the year y

**Step 3:**

- If y is divisible by 400  
    Display **“Leap Year”**
- Else if y is divisible by 100  
    Display **“Not a Leap Year”**
- Else if y is divisible by 4  
    Display **“Leap Year”**
- Else  
    Display **“Not a Leap Year”**

**Step 4:** Stop

Flowchart:-



# Code:-

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5.1.1. Leap Year Checker

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

```
1 year = int(input())
2 if (year % 4 == 0):
3     print("Leap year")
4 else:
5     print("Not a leap year")
6
```

Average time  
0.004 s  
4.50 ms

Maximum time  
0.006 s  
6.00 ms

2 out of 2 shown test case(s) passed  
2 out of 2 hidden test case(s) passed

Test case 1 6 ms

Expected output  
2024  
Leap year

Actual output  
2024  
Leap year

Test case 2 6 ms

Terminal

Test cases

< Prev

Reset

Submit

Next >