

Experiment 5

5.1.1 Leap Year Checker

Algorithm

:

Step 1 : Start

Step 2 : if (year %4== 0)

Print Leap Year

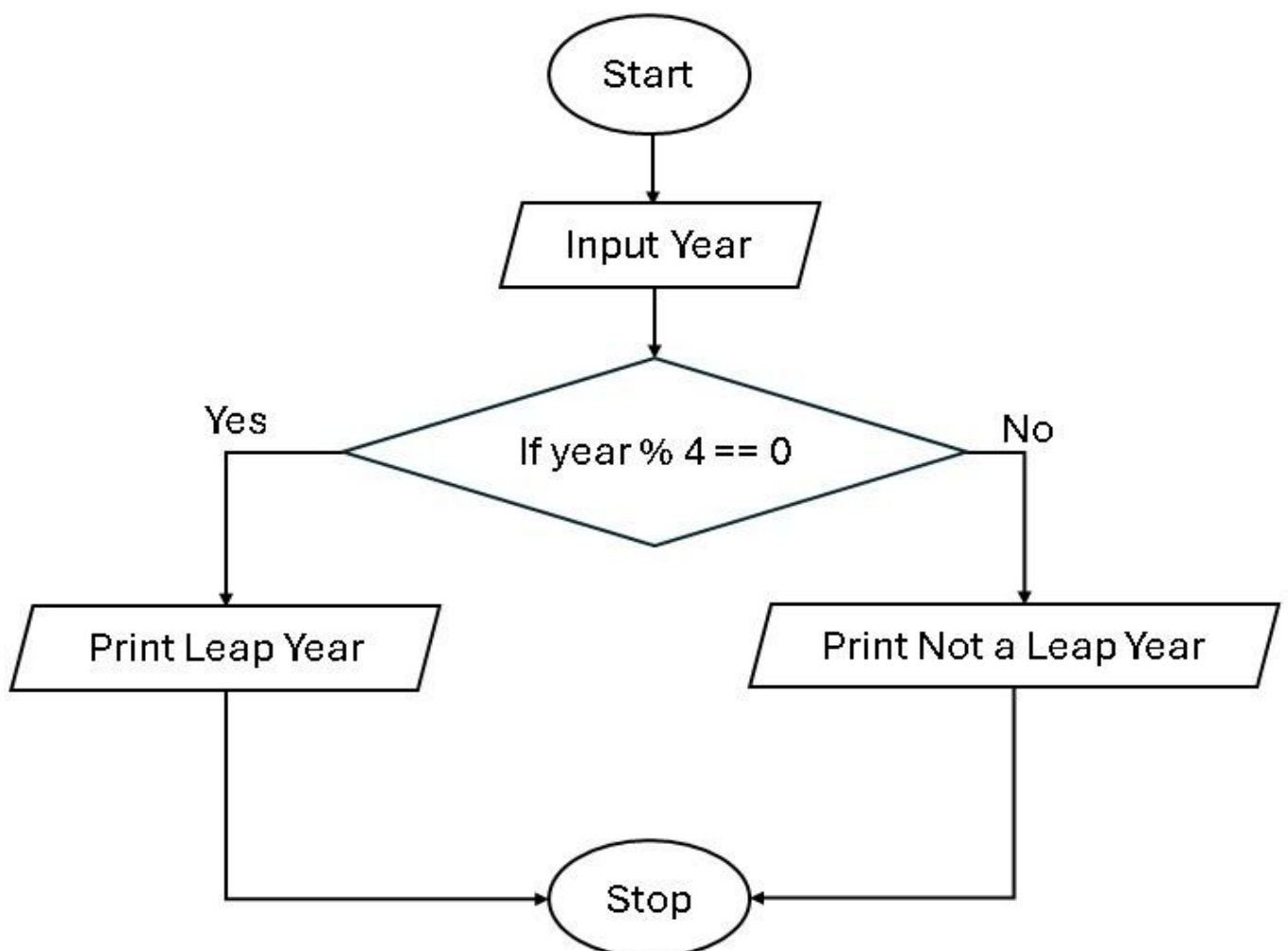
else

Print Not a Leap

Year

Step 3 : Stop

Flowchart



Code

```
year = int(input())
if(year%4==0):
    print("Leap year\n")
else:
    print("Not a leap year\n")
```

Execution

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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

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Explorer

leapYear.py

1 year = int(input())

2

3 v if (year % 400 == 0) or (year % 4 == 0 and year % 100 != 0):

4 → print("Leap year")

5 v else:

6 → print("Not a leap year")

7

8

Average time

0.004 s

Maximum time

0.006 s

4.25 ms

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

Actual output

2024

Leap year

Leap year

Test case 2

3 ms

2024

2024

Leap year

Leap year

Terminal

Test cases

Debug

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