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5.1.1. Leap Year Checker

#Algorithm:

Step 1: Start.

Step 2: Read the integer variable **year**.

Step 3: Check if **year** is perfectly divisible by 4 (i.e., year % 4 == 0).

Step 4: If the condition is True, print "Leap year".

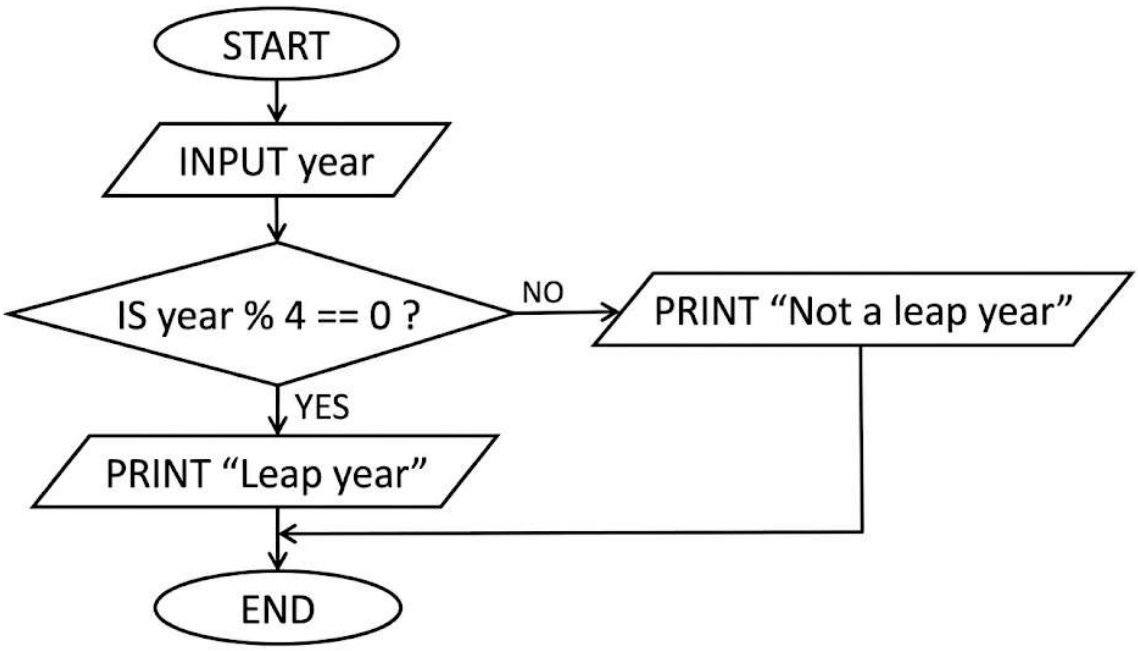
Step 5: If the condition is False, print "Not a leap year".

Step 6: End.

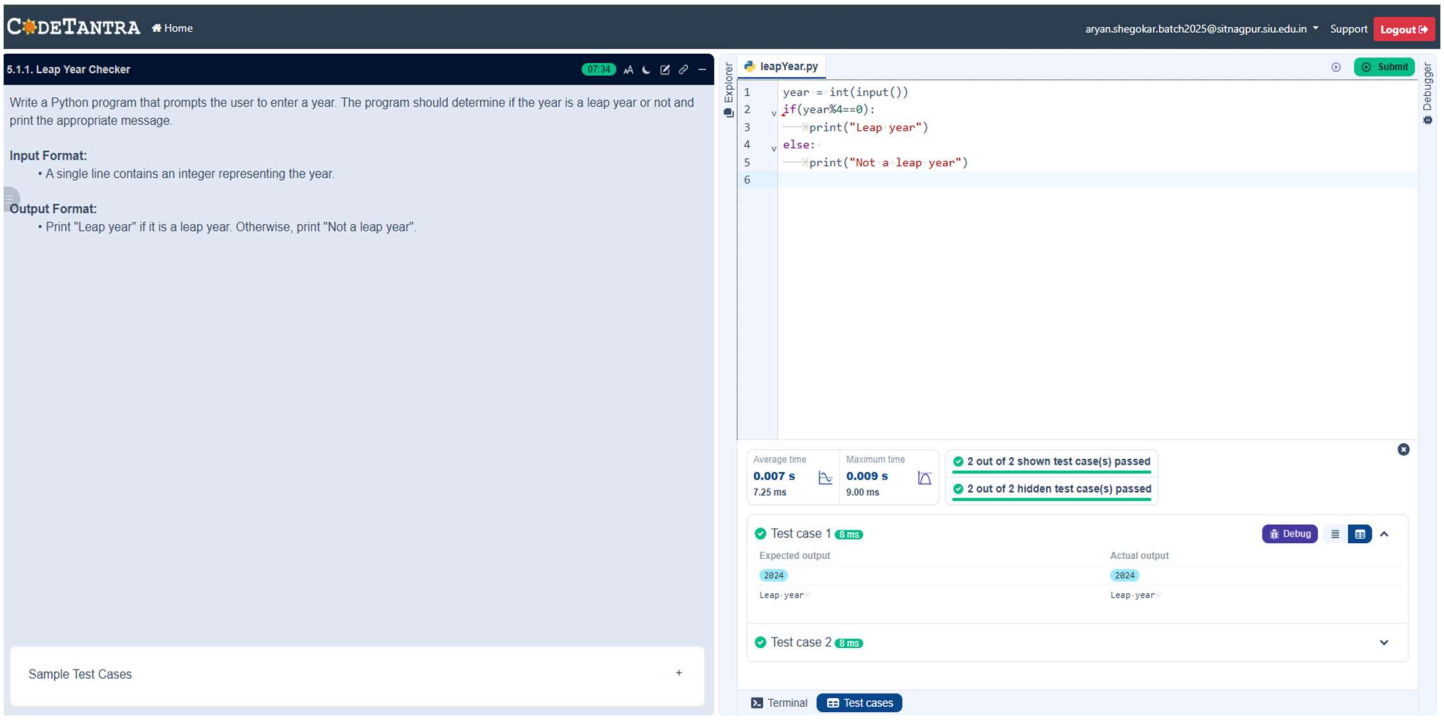
#Code:

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

#Flowchart:


START
INPUT year
IS year % 4 == 0 ?
NO
PRINT “Not a leap year”
YES
PRINT “Leap year”
END

Execution :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5.1.1. Leap Year Checker
07:34
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
Explorer
Debugger
year = int(input())
if(year%4==0):
print("Leap year")
else:
print("Not a leap year")
Average time
0.007 s
7.25 ms
Maximum time
0.009 s
9.00 ms
2 out of 2 shown test case(s) passed
2 out of 2 hidden test case(s) passed
Test case 1
8 ms
Debug
Expected output
2024
Leap year
Actual output
2024
Leap year
Test case 2
8 ms
Terminal
Test cases