# Experiment 5.1.1

## Roots of an experiment

Algorithm:

Step 1: Start

Step 2: Input an integer a (year)

Step 3: Check if a % 4 == 0

Step 4: If true, print "Leap year"

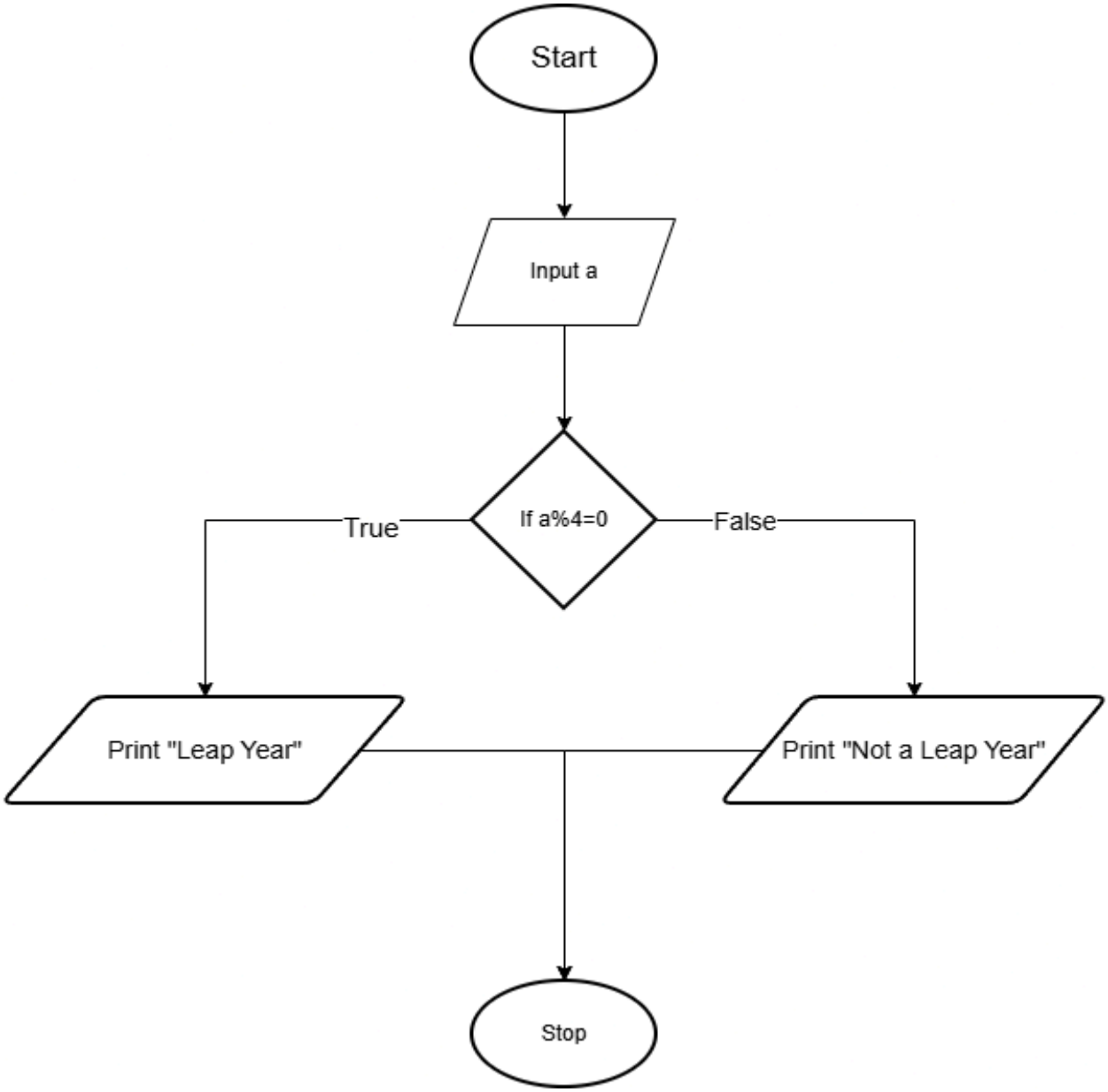
Step 5: Otherwise, print "Not a leap year"

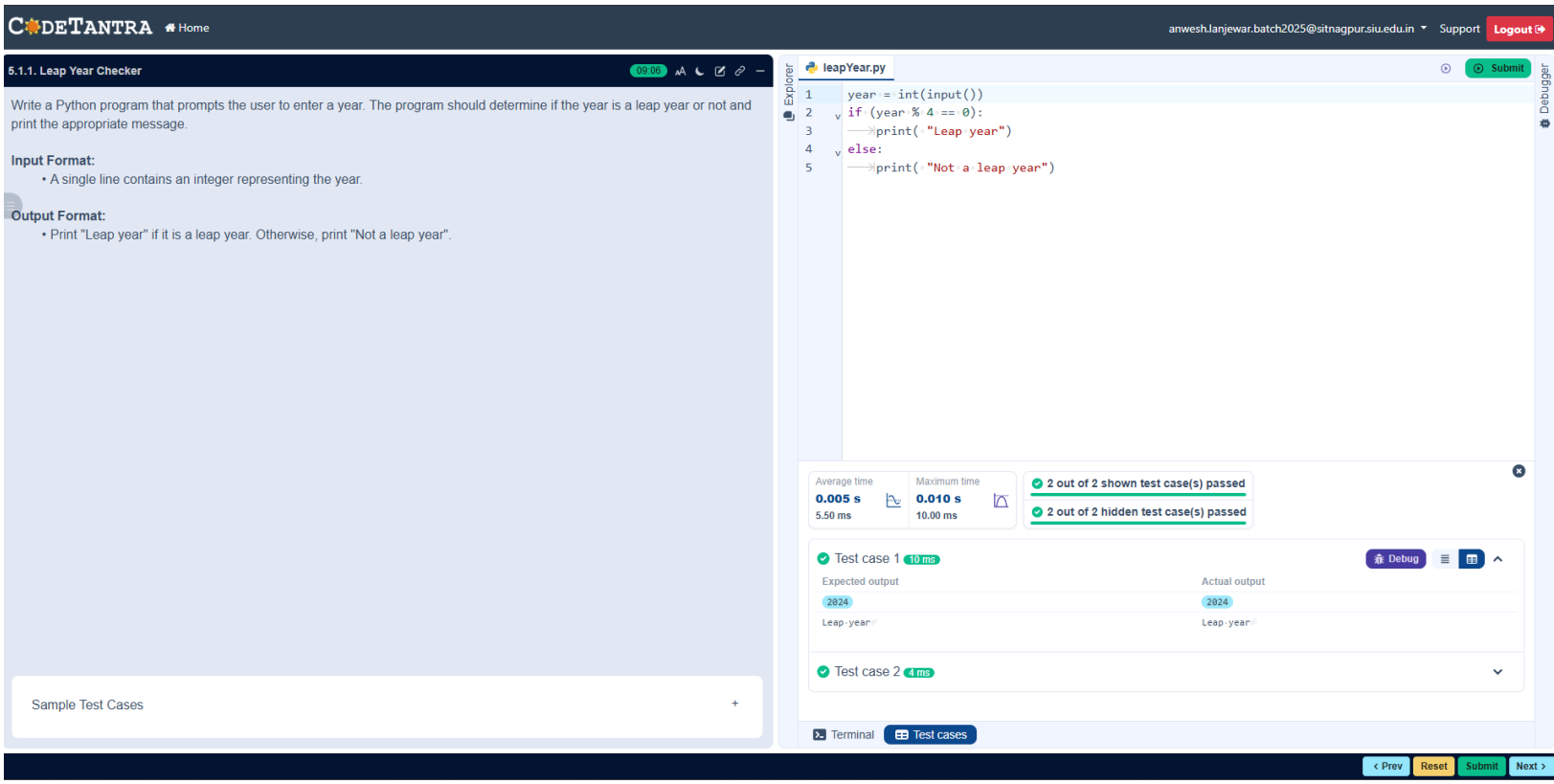
Step 6: Stop

# Code:

```
a = int(input())

if a%4==0:

    print("Leap year")

else:

    print("Not a leap year")
```

## FlowChart:


Start
Input a
If a%4=0
True
False
Print "Leap Year"
Print "Not a Leap Year"
Stop


CODETANTRA
Home
anwesh.lanjewar.batch2025@sitnagpur.siu.edu.in
Support
Logout
5.1.1. Leap Year Checker
09:06
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
Explorer
leapYear.py
Submit
Debugger
1 year = int(input())
2 if (year % 4 == 0):
3 print( "Leap year")
4 else:
5 print( "Not a leap year")
Average time
0.005 s
5.50 ms
Maximum time
0.010 s
10.00 ms
2 out of 2 shown test case(s) passed
2 out of 2 hidden test case(s) passed
Test case 1 10 ms
Debug
Expected output
Actual output
2024
Leap year
2024
Leap year
Test case 2 4 ms
Terminal
Test cases
‹ Prev
Reset
Submit
Next ›