5.1.1 Leap Year Checker

Algorithm: Check Leap Year

Step 1: Start

Step 2: Input the year

- Read an integer value and store it in variable year.

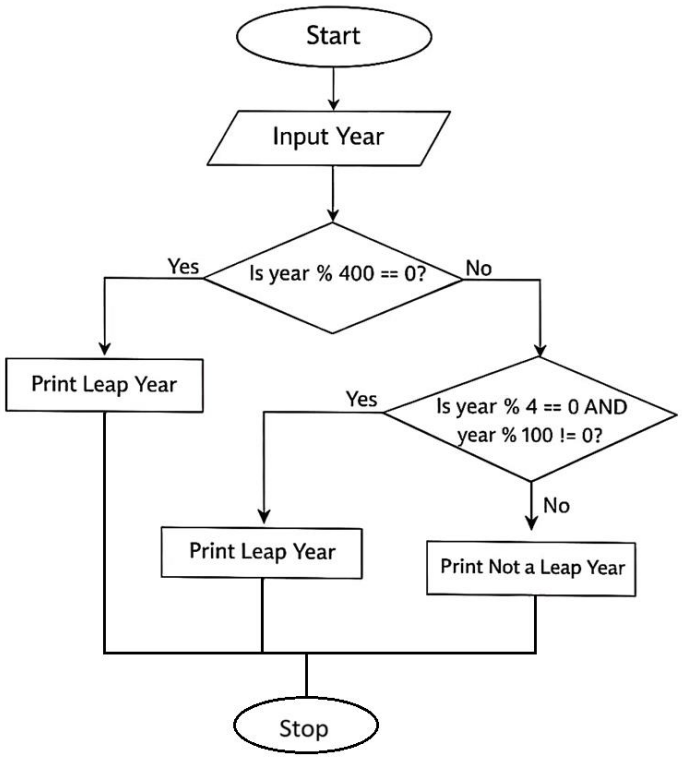
Step 3: Check the leap year condition

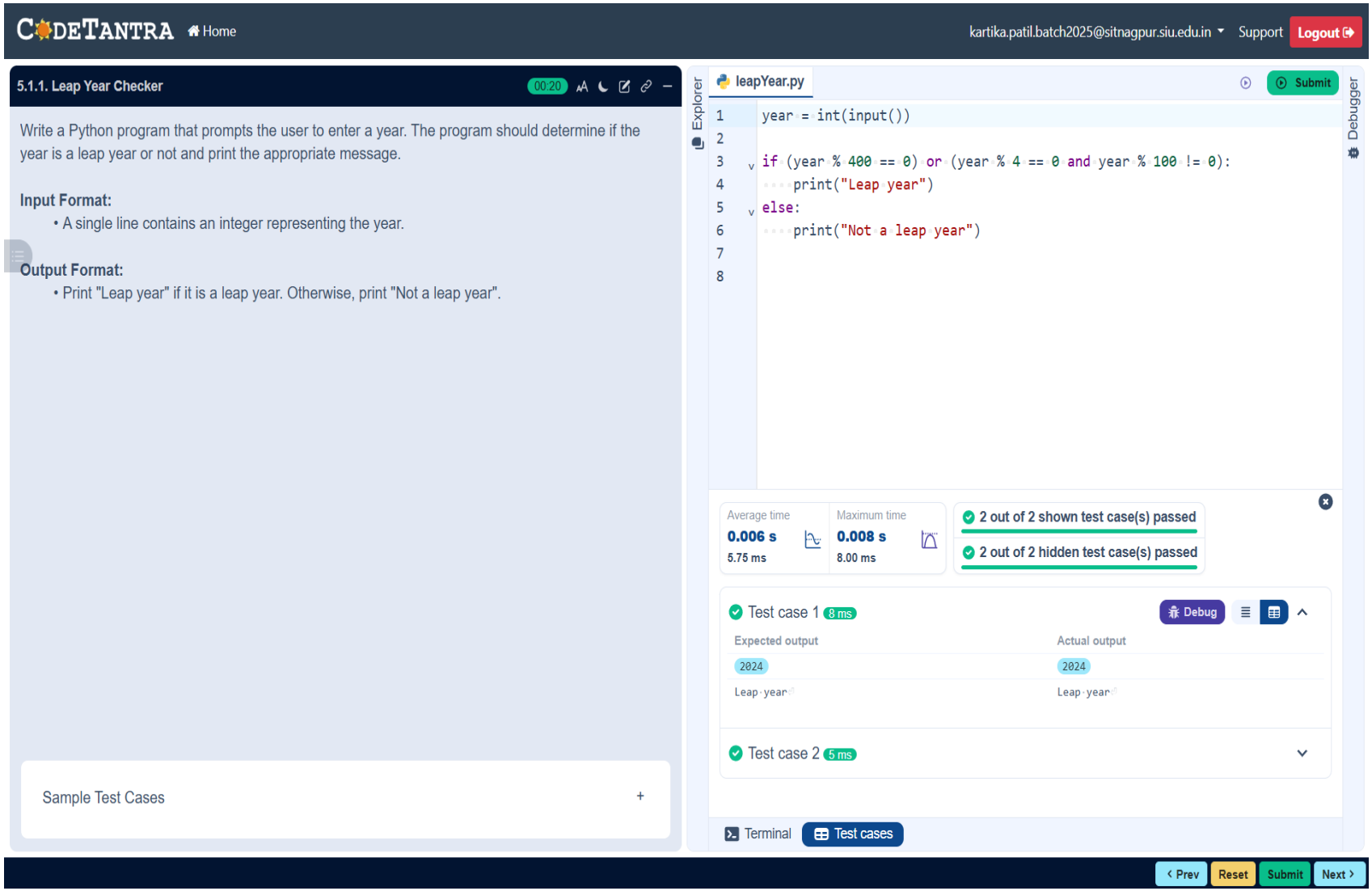
- If year is divisible by **400**
  → Then it is a **Leap Year**
- Else if year is divisible by **4 and not divisible by 100**
  → Then it is a **Leap Year**
- Else
  → It is **Not a Leap Year**

Step 4: Display the result

- Print "Leap year" if the condition is true.
- Otherwise, print "Not a leap year".

Step 5: Stop




CODETANTRA
Home
kartika.patil.batch2025@sitnagpur.siu.edu.in
Support
Logout
5.1.1. Leap Year Checker
00:20
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
3 if (year % 400 == 0) or (year % 4 == 0 and year % 100 != 0):
4 print("Leap year")
5 else:
6 print("Not a leap year")
7
8
Average time
0.006 s
5.75 ms
Maximum time
0.008 s
8.00 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 5 ms
Terminal
Test cases
‹ Prev
Reset
Submit
Next ›