

# Experiment 5

## 5.1.1 Leap Year Checker

Algorithm :

Step 1 : Start

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

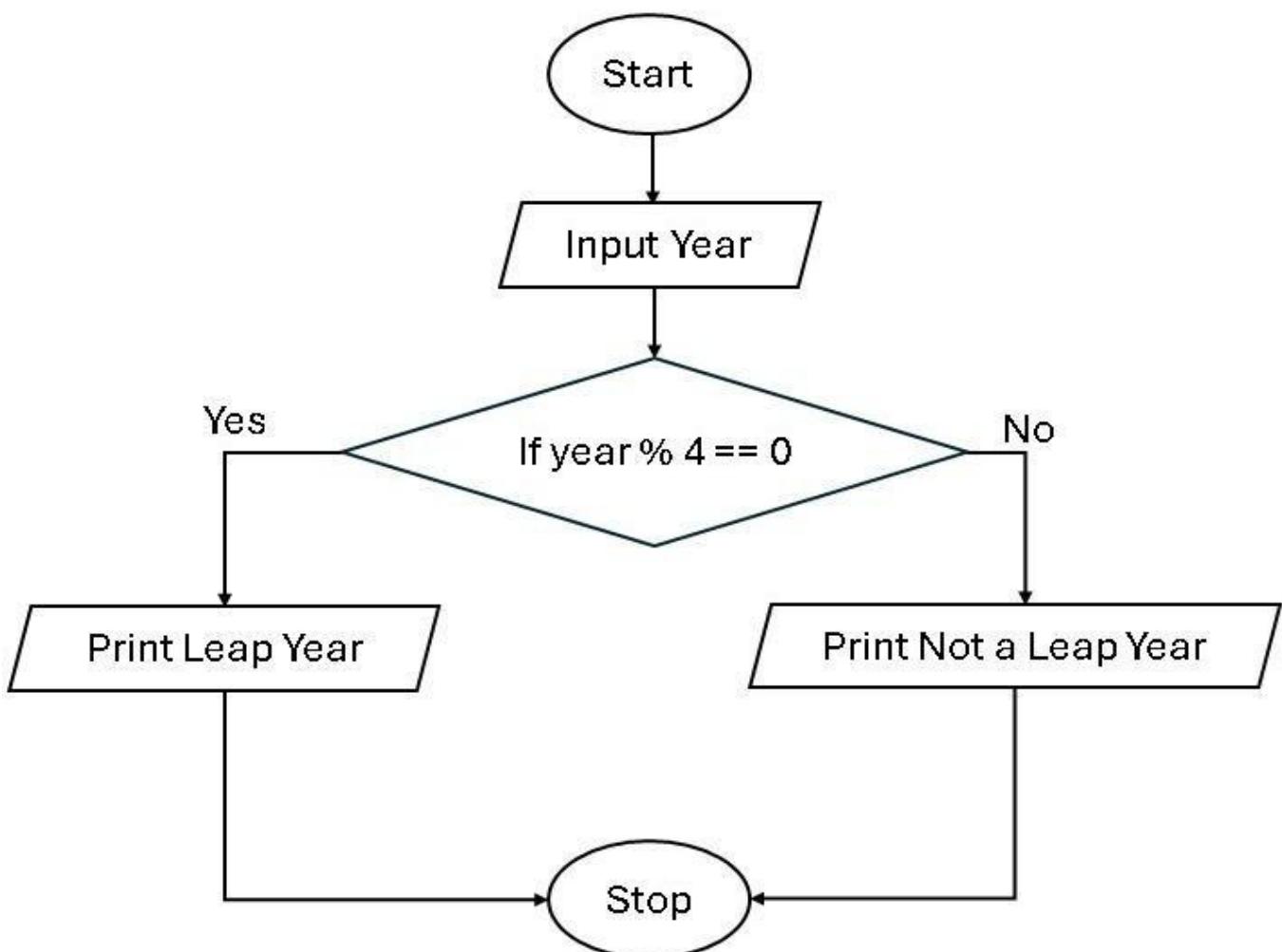
    Print Leap Year

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 :

The screenshot shows the CodeTantra IDE interface. On the left, there's a sidebar with 'CODETANTRA' logo, 'Home', '5.1.1. Leap Year Checker', and a 'Sample Test Cases' button. The main area has tabs for 'leapYear.py', 'Explore', and 'Terminal'. The code editor contains the following Python script:

```
1 # Type Content here...  
2 year = int(input())  
3 if (year%4==0):  
4     print("Leap year\n")  
5 else:  
6     print("Not a leap year\n")
```

Below the code editor, there's a note: "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." Under "Input Format:", it says "A single line contains an integer representing the year." Under "Output Format:", it says "Print "Leap year" if it is a leap year. Otherwise, print "Not a leap year".

The execution results are shown on the right. It shows two test cases: "Test case 1" with input "2024" and output "Leap year.", and "Test case 2" with input "2025" and output "Not a leap year.". The results table shows:

Average time	Maximum time
0.004 s 3.50 ms	0.005 s 5.00 ms

Test case 1 passed (4ms). Test case 2 passed (2ms).