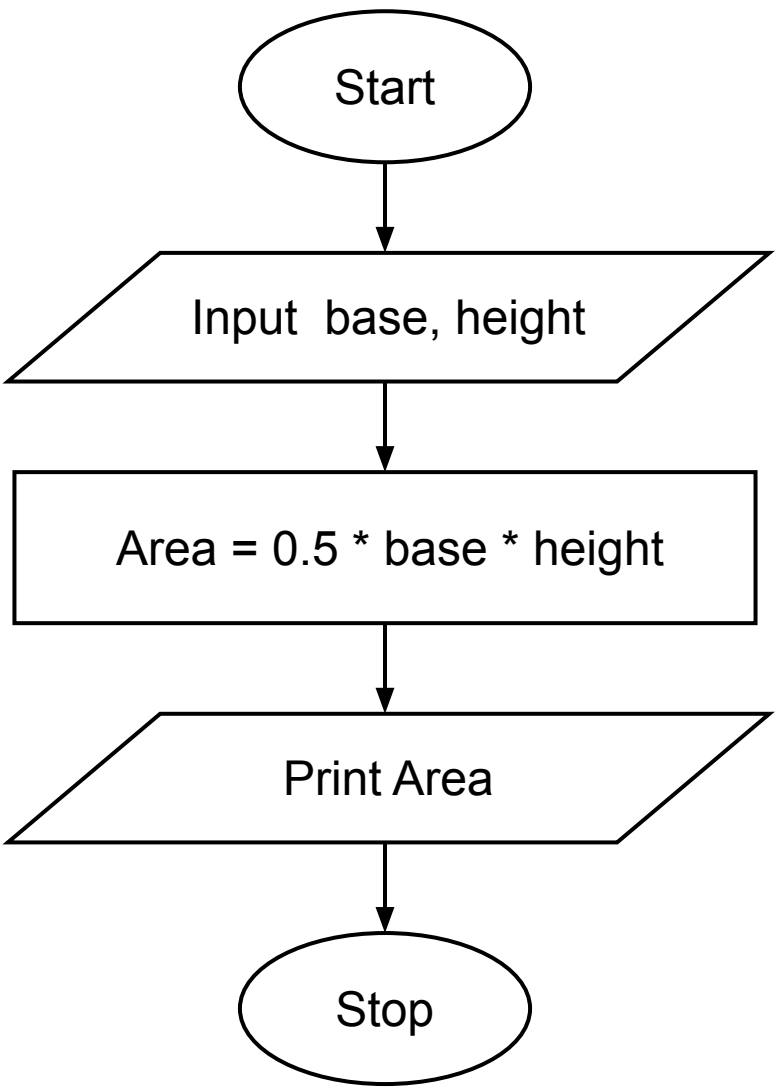
Experiment – 1.1.4

Area of Triangle

- Algorithm

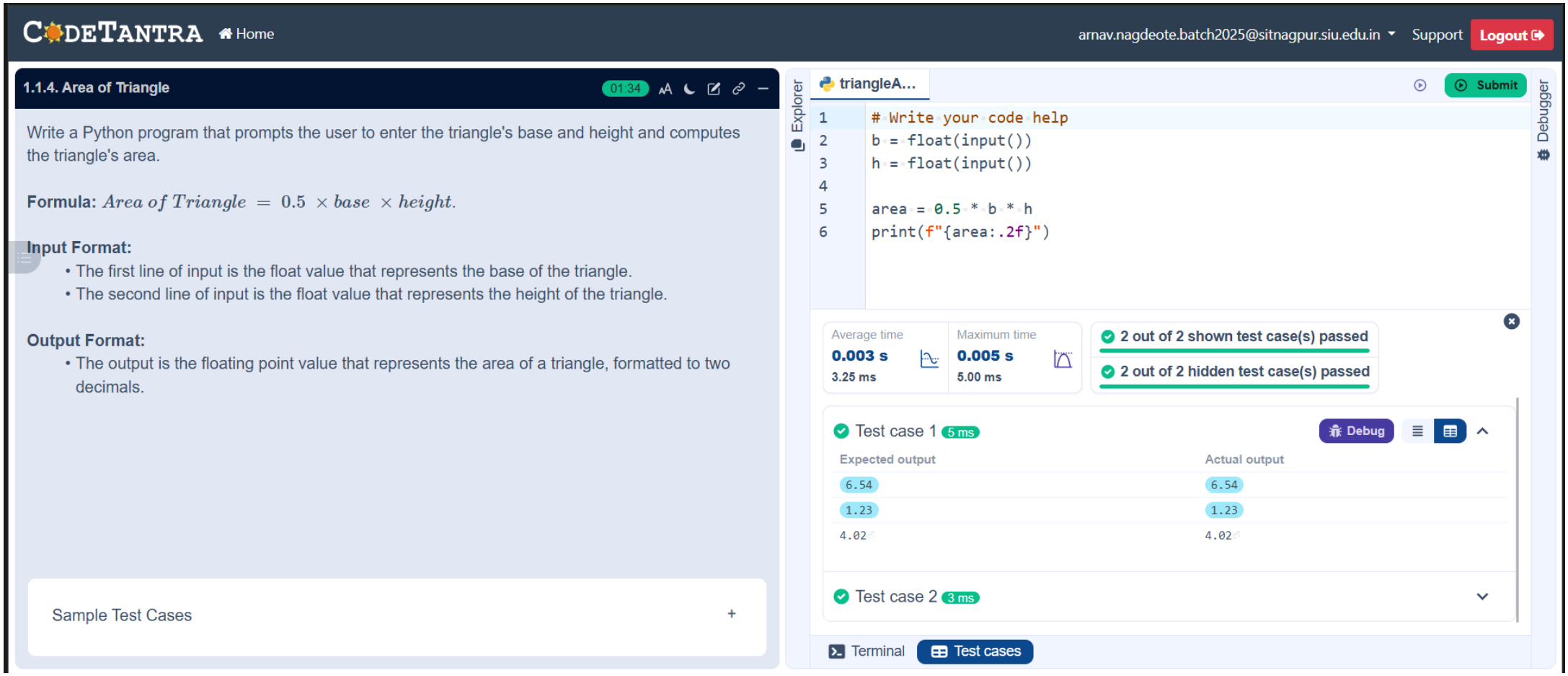
STEP 1 : Start
STEP 2 : Input base, height
STEP 3 : Calculate area =
0.5* base * height
STEP 4 : Print area
STEP 5 : Stop

- Flowchart



- Code

```
base=float(input())
height=float(input())
area=0.5*base*height
print(f"{area:.2f}")
```


CODETANTRA
Home
arnav.nagdeote.batch2025@sitnagpur.siu.edu.in
Support
Logout
1.1.4. Area of Triangle
01:34
Write a Python program that prompts the user to enter the triangle's base and height and computes the triangle's area.
Formula: $Area\ of\ Triangle\ =\ 0.5\ \times base\ \times height.$
Input Format:
• The first line of input is the float value that represents the base of the triangle.
• The second line of input is the float value that represents the height of the triangle.
Output Format:
• The output is the floating point value that represents the area of a triangle, formatted to two decimals.
Sample Test Cases
+
Explorer
triangleA...
Submit
Debugger
1 # Write your code help
2 b = float(input())
3 h = float(input())
4
5 area = 0.5 * b * h
6 print(f"{area:.2f}")
Average time
0.003 s
3.25 ms
Maximum time
0.005 s
5.00 ms
2 out of 2 shown test case(s) passed
2 out of 2 hidden test case(s) passed
Test case 1 5 ms
Debug
Expected output
Actual output
6.54
6.54
1.23
1.23
4.02
4.02
Test case 2 3 ms
Terminal
Test cases