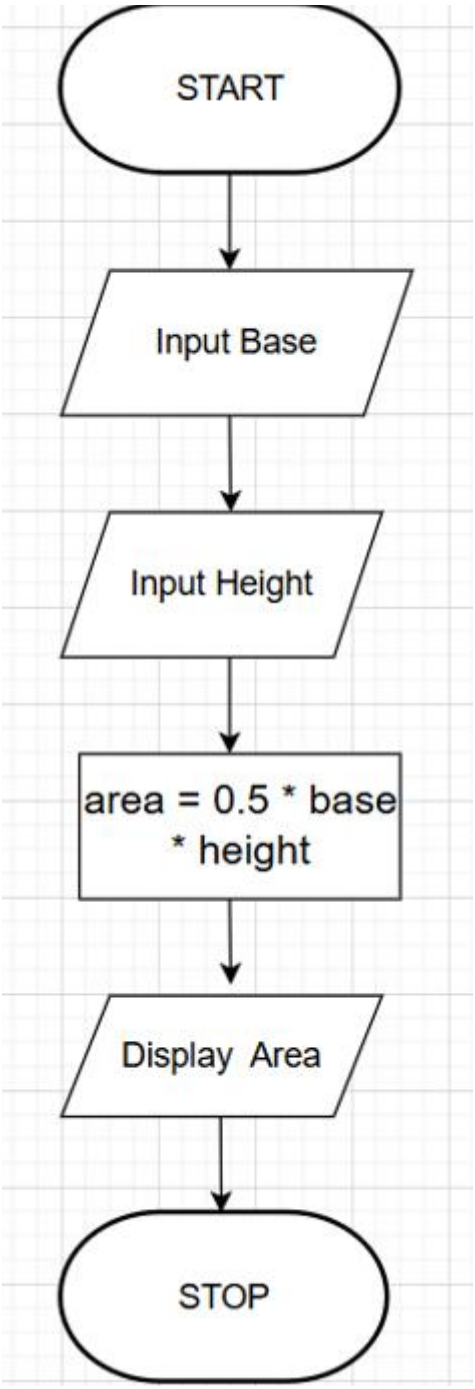
Experiment 1.1.4

Aim:- Write a Python program that prompts the user to enter the triangle's base and height and computes the triangle's area.

Algorithm:-

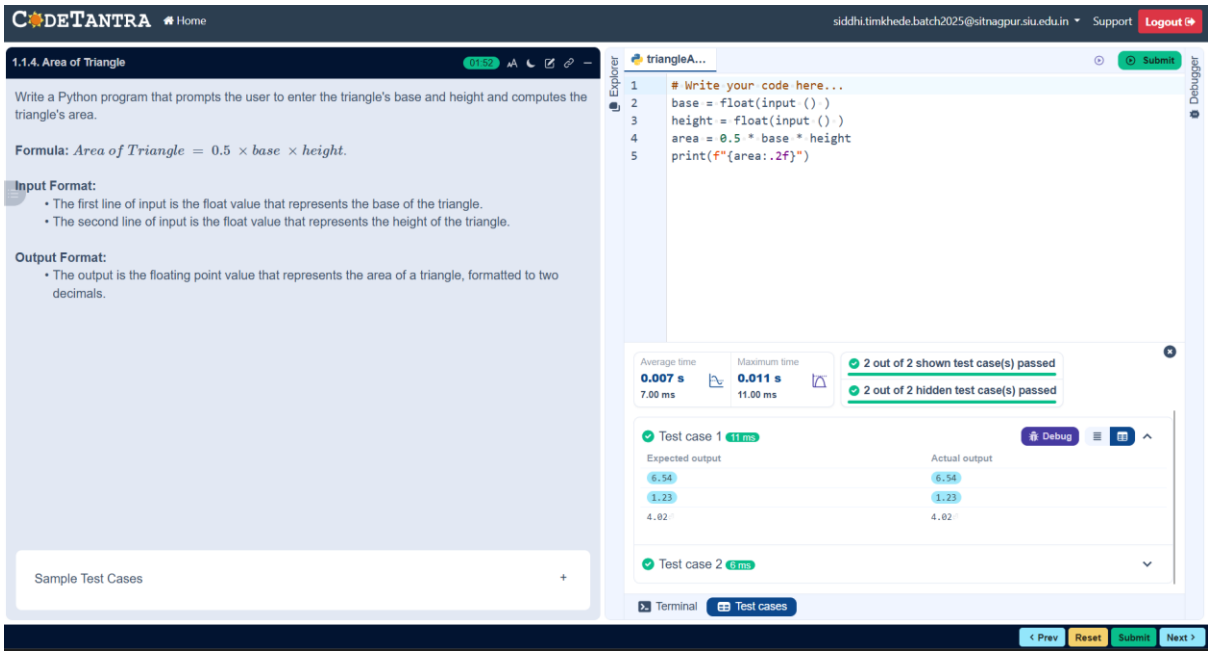
Step 1: Start
Step 2: Read the base of the triangle b
Step 3: Read the height of the triangle h
Step 4: Calculate the area using the formula
area = ½ × b × h
Step 5: Display the calculated area
Step 6: Stop

Flowchart:-


START
Input Base
Input Height
area = 0.5 * base * height
Display Area
STOP

Code:-

55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1.1.4. Area of Triangle
01:52
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 × base × 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
# Write your code here...
base = float(input ())
height = float(input ())
area = 0.5 * base * height
print(f"{area:.2f}")
Average time
0.007 s
7.00 ms
Maximum time
0.011 s
11.00 ms
2 out of 2 shown test case(s) passed
2 out of 2 hidden test case(s) passed
Test case 1
11 ms
Debug
Expected output
Actual output
6.54
1.23
4.02
Test case 2
6 ms
Terminal
Test cases
Prev
Reset
Submit
Next