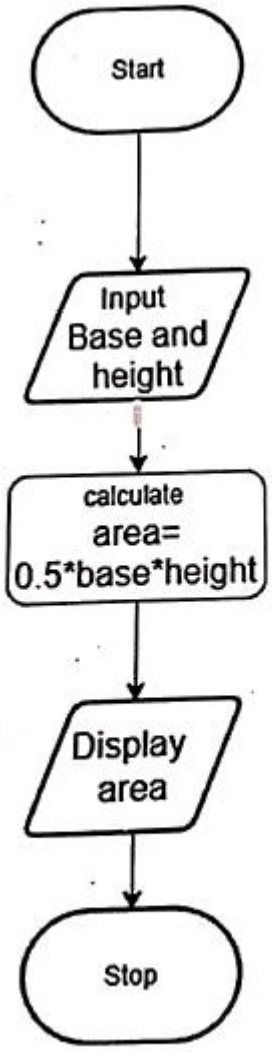
1.1.4 Area of triangle

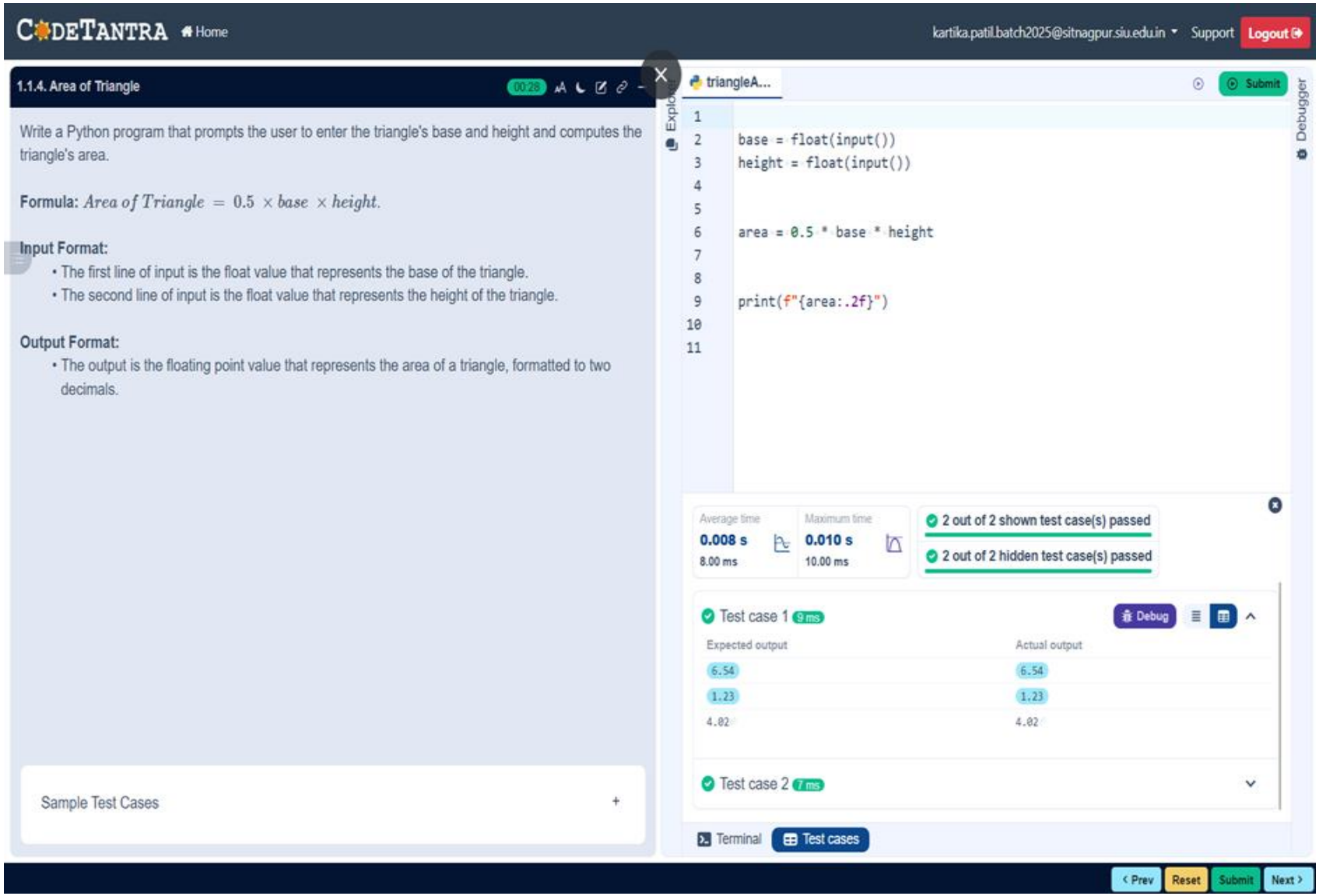
Algorithm

Step 1: Start
Step 2: Input the value of h (height)
Step 3: Input the value of b (base)
Step 4: Calculate the area using

$$area = 0.5 \times h \times b$$

Step 5: Display the area up to 2 decimal places
Step 6: Stop

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1.1.4. Area of Triangle
00:28
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
+
triangleA...
Submit
Explorer
Debugger
1
2 base = float(input())
3 height = float(input())
4
5
6 area = 0.5 * base * height
7
8
9 print(f"{area:.2f}")
10
11
Average time
0.008 s
8.00 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 9 ms
Debug
Expected output
Actual output
6.54
6.54
1.23
1.23
4.02
4.02
Test case 2 7 ms
Terminal
Test cases
‹ Prev
Reset
Submit
Next ›