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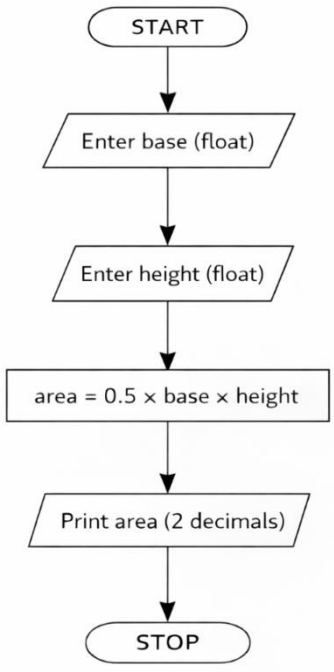
**1.1.4 AREA OF TRIANGLE**

**ALGORITHM**

1. Start
2. Read the base of the triangle.
3. Read the height of the triangle.
4. Calculate the area using the formula
5. area $= 0.5 \times$ base $\times$ height
6. Display the area formatted to 2 decimal places.
7. Stop

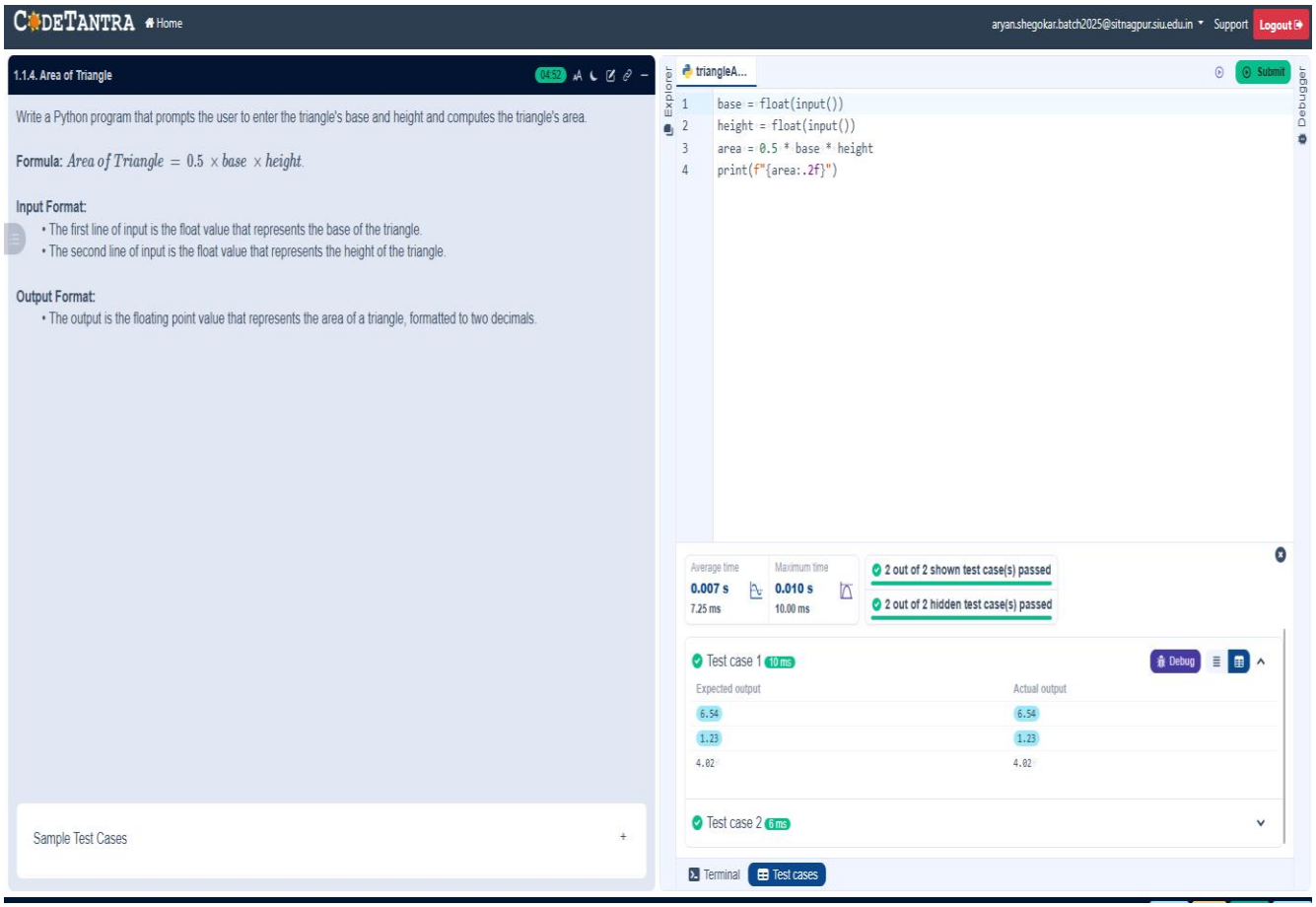
## Flowchart




## Python Code

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

## EXCECUTION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1.1.4. Area of Triangle
04:52
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 x base x 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 base = float(input())
2 height = float(input())
3 area = 0.5 * base * height
4 print(f"{area:.2f}")
Average time
0.007 s
7.25 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 10 ms
Debug
Expected output
Actual output
6.54
6.54
1.23
1.23
4.02
4.02
Test case 2 6 ms
Terminal
Test cases