

EXPERIMENT - 1

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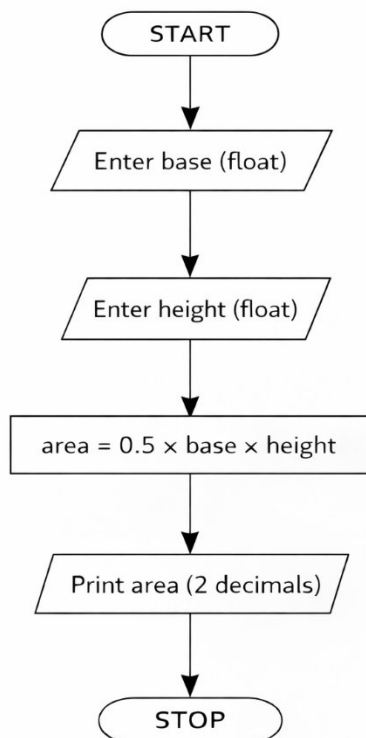
PRN :

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. $\text{area} = 0.5 \times \text{base} \times \text{height}$
6. Display the area formatted to 2 decimal places.
7. Stop

Flowchart



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Python Code

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

EXCECUTION

The screenshot displays the CodeTANTRA IDE interface. On the left, the problem statement for "1.1.4. Area of Triangle" is shown, including the formula $\text{Area of Triangle} = 0.5 \times \text{base} \times \text{height}$ and input/output format instructions. The main editor on the right contains the Python code for calculating the area. Below the code editor, the execution results are displayed, showing that 2 out of 2 shown test cases passed and 2 out of 2 hidden test cases passed. The test cases table shows expected and actual outputs for two cases.

Test Case	Expected output	Actual output
Test case 1	6.54 1.23 4.82	6.54 1.23 4.82
Test case 2		