

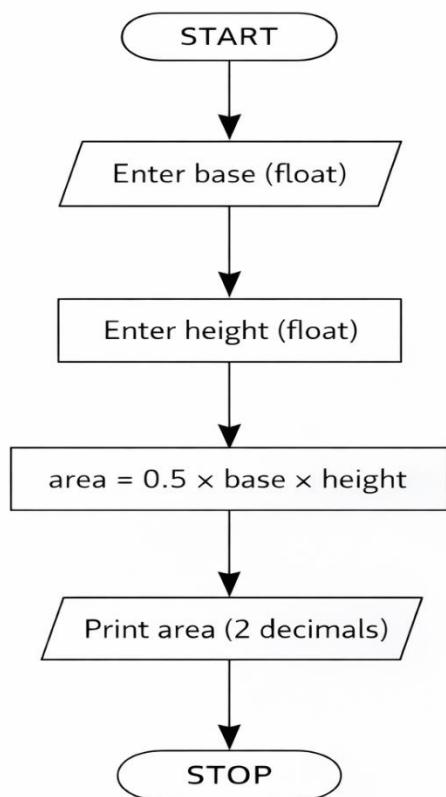
EXPERIMENT - 1

1.1.4 AREA OF TRIANGLE

ALGORITHM

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

Flowchart



Python Code

EXPERIMENT - 1

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

EXECUTION

The screenshot shows the CodeTantra IDE interface. The title bar says "CODETANTRA" and "Home". The user is logged in as "harsh.ghaoghare.batch2025@sitnagpur.siu.edu.in". The current project is "triangleA...".

Code Editor:

```
1.14. Area of Triangle
base = float(input())
height = float(input())
area = 0.5 * base * height
print(f'{area:.2f}')
```

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.

Test Results:

Test Case	Expected Output	Actual Output	Status
Test case 1	6.54 1.23 4.02	6.54 1.23 4.02	PASSED (43 ms)
Test case 2			PASSED (27 ms)

Buttons at the bottom:

- < Prev
- Reset
- Submit
- Next >