

Code 1.1.4 } 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 : input of base and height

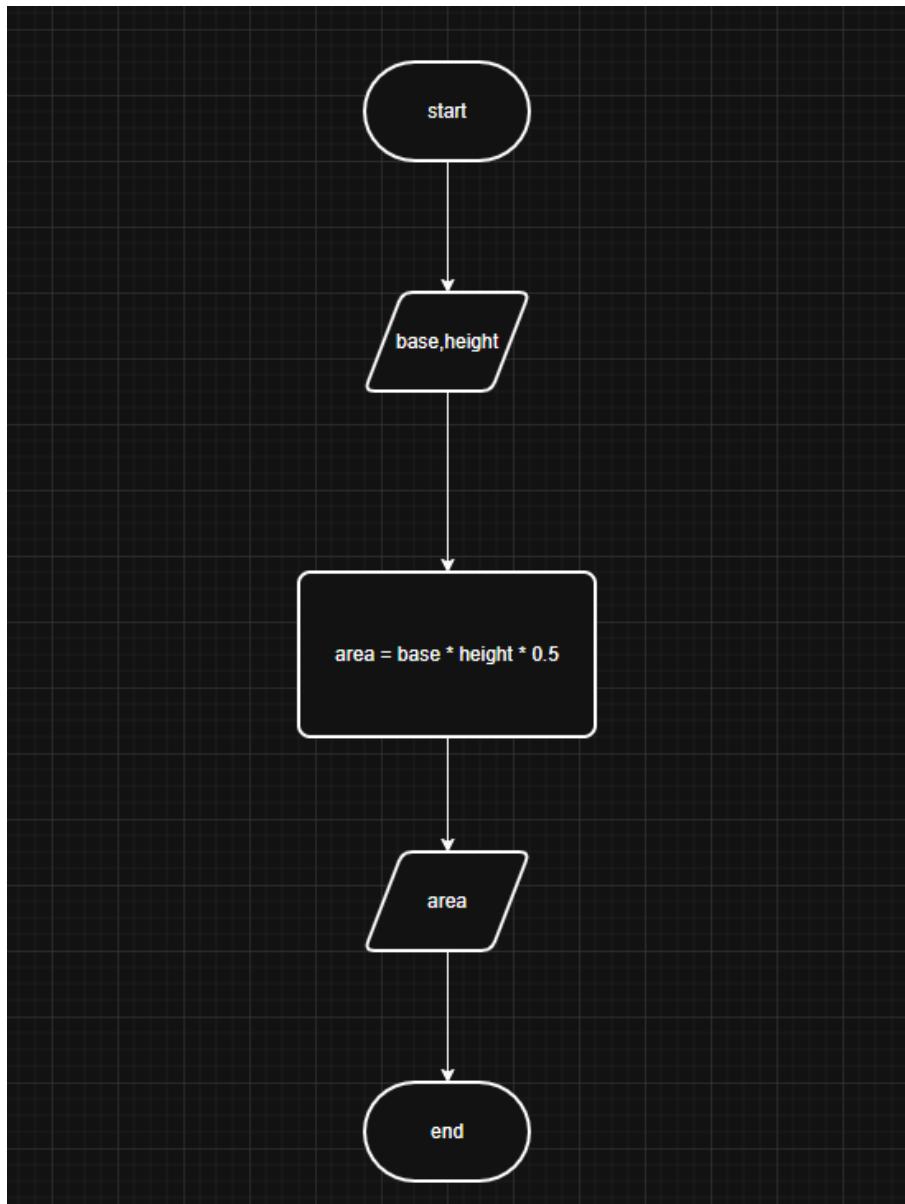
Step 3 : calculating area = $0.5 * \text{base} * \text{height}$

Step 4 : stop

Code :

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

Flowchart :



Codetantra :

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1.1.4. Area of Triangle

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

Formula: $\text{Area of Triangle} = 0.5 \times \text{base} \times \text{height}$.

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...
1 base = float(input())
height = float(input())
2
3 area = 0.5 * base * height
4
5 print(f"{area:.2f}")
```

Average time Maximum time
0.007 s 0.009 s
7.26 ms 9.00 ms

2 out of 2 shown test case(s) passed
2 out of 2 hidden test case(s) passed

Test case 1 9 ms
Expected output
6.54
1.23
4.02
Actual output
6.54
1.23
4.02

Test case 2 6 ms

Terminal Test cases

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