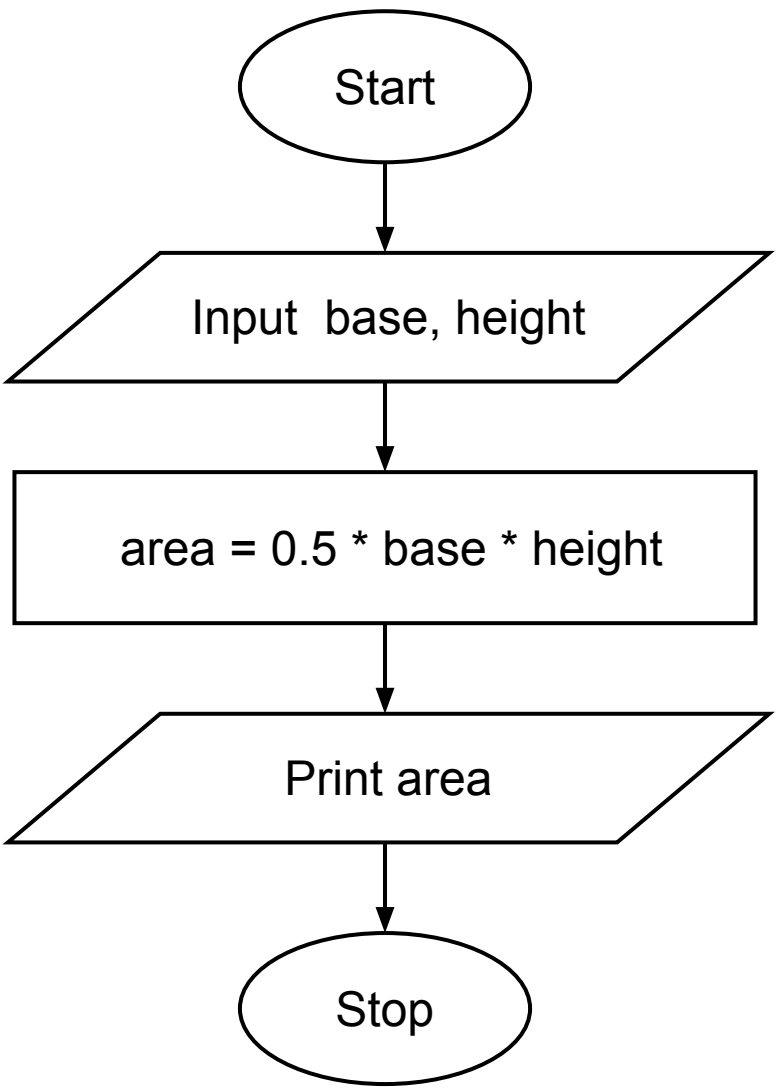
Experiment – 1.1.4

Area of Triangle

- Algorithm

STEP 1 : Start
STEP 2 : Input base, height
STEP 3 : Calculate
area = 0.5*base *
height
STEP 4 : Print area
STEP 5 : Stop

- Flowchart



- Code

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

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anwesh.lanjewar.batch2025@sitnagpur.siu.edu.in Support Logout

1.1.4. Area of Triangle

04:34

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 +

Explorer

triangleA...

Submit

Debugger

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

Average time	Maximum time
0.004 s	0.005 s
3.50 ms	5.00 ms

2 out of 2 shown test case(s) passed

2 out of 2 hidden test case(s) passed

Test case 1 5 ms Debug

Expected output	Actual output
6.54	6.54
1.23	1.23
4.02	4.02

Test case 2 4 ms

Terminal Test cases