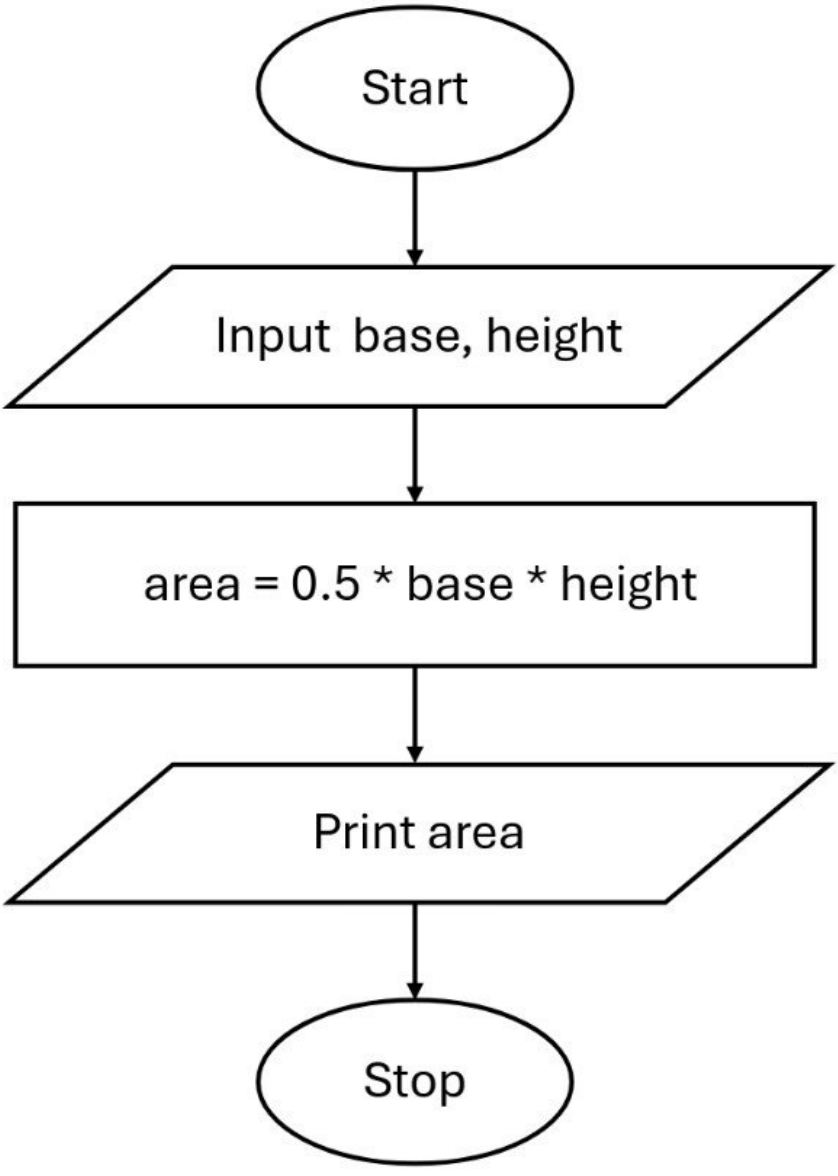
Experiment – 1

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



1.1.4. Area of Triangle

01:53

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
0.025 s	**0.034 s**
25.50 ms	34.00 ms

2 out of 2 shown test case(s) passed

2 out of 2 hidden test case(s) passed

Test case 1 34 ms Debug

Expected output	Actual output
6.54	6.54
1.23	1.23
4.02	4.02