1.1.4   Area of Triangle

- ## Algorithm

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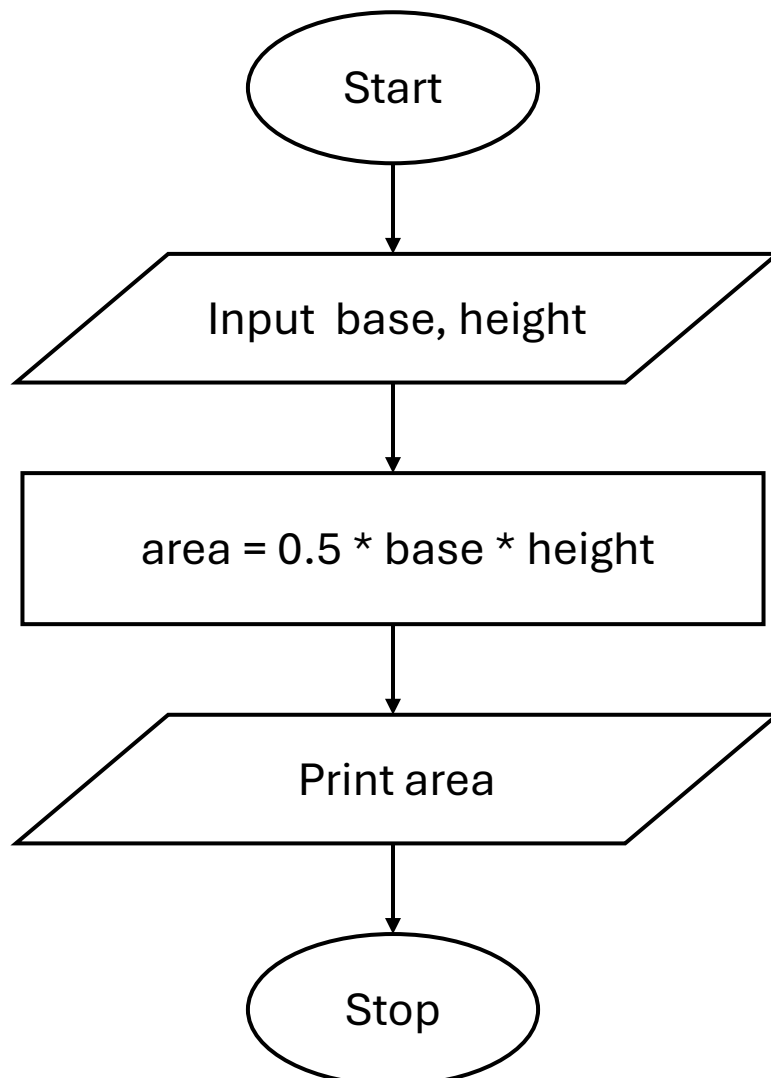STEP 3 : Calculate
      area = 0.5*base * height
STEP 4 : Print area
STEP 5 : Stop

- ## Flowchart

```
            ┌───────────┐
            │   Start   │
            └─────┬─────┘
                  │
                  ▼
       ╱────────────────────╲
       │  Input  base, height │
       ╲────────────────────╱
                  │
                  ▼
       ┌────────────────────────┐
       │ area = 0.5 * base * height │
       └────────────────────────┘
                  │
                  ▼
       ╱────────────────────╲
       │      Print area      │
       ╲────────────────────╱
                  │
                  ▼
            ┌───────────┐
            │   Stop    │
            └───────────┘
```

- # Code

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

- # Execution

🖶 Debugger

⊘ Submit

1.1.4. Area of Triangle

03:33 🗚 🌙 🗂 🔗 —

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

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

Average time	Maximum time
0.009 s	**0.019 s**
9.25 ms	19.00 ms

✓ Test case 1 19 ms

✓ Test case 2 7 ms

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

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

🖳 Terminal   ⊞ Test cases

‹ Prev   Reset   Submit   Next ›