

# EXPERIMENT - 1

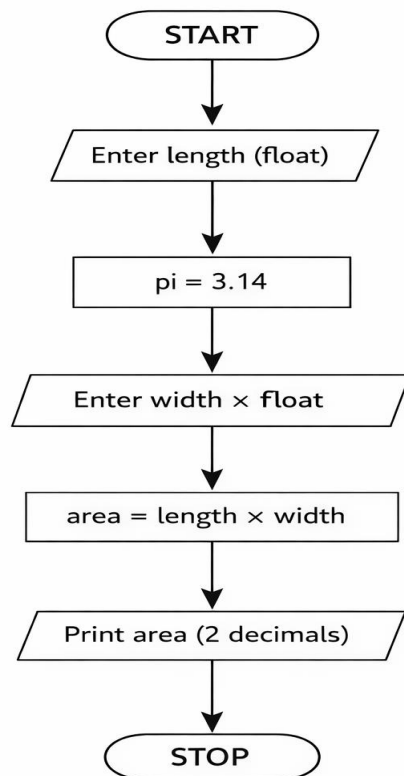
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## 1.1.2 Area of a Rectangle

### A] Algorithm

- 1] Start
- 2 ]Read the length of the rectangle.
- 3] Read the width of the rectangle.
- 4] Calculate the area using the formula
$$\text{area} = \text{length} \times \text{width}$$
- 5] Display the area formatted to 2 decimal places.
- 6] Stop



# EXPERIMENT - 1

## PYTHON CODE

```
length = float(input())  
width = float(input())  
area = length * width  
print(f"{{area:.2f}}")
```

## EXECUTION

The screenshot displays the CODETANTRA IDE interface. On the left, a panel titled "1.1.2. Area of Rectangle" provides instructions and formulas. The main editor on the right shows the Python code for calculating the area of a rectangle. Below the code, the execution results are shown, including average and maximum times, and a list of test cases that have passed.

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1.1.2. Area of Rectangle 03:10

Write a Python program to calculate the area of a rectangle given its length and width.

**Formula:**  
Area of Rectangle = Length  $\times$  Width

**Input Format:**

- First line contains a float value representing the length of the rectangle
- Second line contains a float value representing the width of the rectangle

**Output Format:**

- Print the area of the rectangle as a float value formatted to 2 decimal places.

Sample Test Cases +

areaOfRe... Submit

```
1 length = float(input())  
2 width = float(input())  
3 area = length * width  
4 print(f"{{area:.2f}}")
```

Average time 0.006 s 5.60 ms Maximum time 0.009 s 9.00 ms

5 out of 5 shown test case(s) passed  
5 out of 5 hidden test case(s) passed

Test case 1 3 ms

Expected output	Actual output
18.5	18.5
5.2	5.2
54.60	54.60

Test case 2 1 ms

Terminal Test cases

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