

EXPERIMENT - 1

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1.1.2 Area of a Rectangle

A] Algorithm

1] Start

2] Read the length of the rectangle.

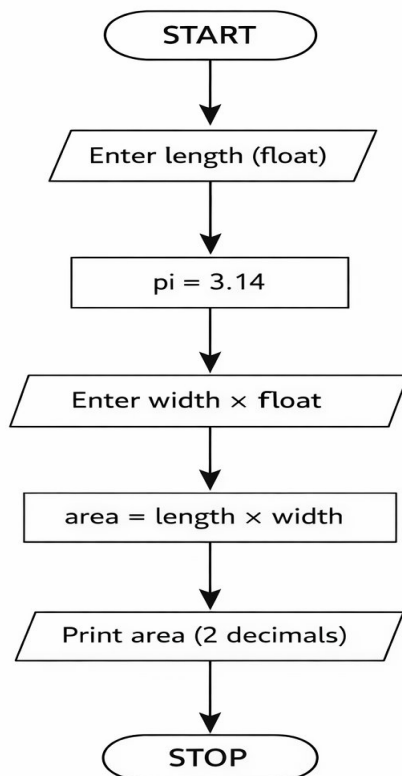
3] Read the width of the rectangle.

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}")
```

EXCECUTION

The screenshot displays the CodeTANTRA IDE interface. On the left, the problem statement for "1.1.2. Area of Rectangle" is shown, including the formula $\text{Area of Rectangle} = \text{Length} \times \text{Width}$ and input/output formats. The main editor on the right contains the Python code for calculating the area. Below the code editor, the execution results are displayed, showing that 5 out of 5 test cases passed. The test cases table shows expected and actual outputs for two cases.

1.1.2. Area of Rectangle

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

Formula:
 $\text{Area of Rectangle} = \text{Length} \times \text{Width}$

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...

```
1 # Type Content here...
2 l=float(input())
3 w=float(input())
4 area=l*w
5 print(f"{area:.2f}")
```

Average time: 0.006 s (6.50 ms) | Maximum time: 0.012 s (12.00 ms)

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

Test case 1 (12 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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