

EXPERIMENT - 1

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1.1.2 Area of a Rectangle

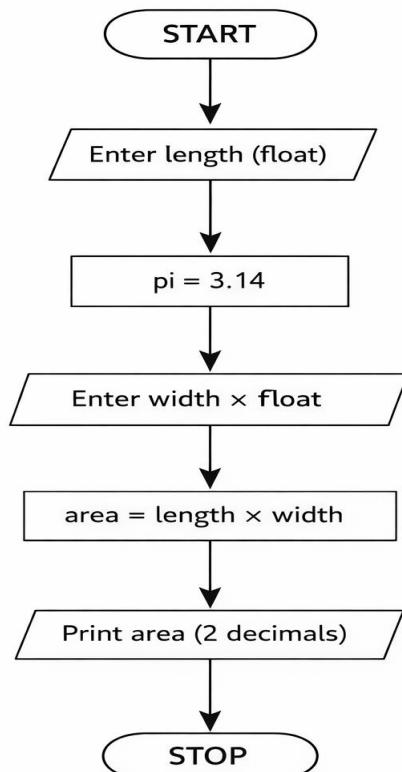
A] Algorithm

- 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



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PYTHON CODE

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

EXECUTION

The screenshot shows the CodeTantra IDE interface. The title bar says "CODETANTRA" and "Home". The user is logged in as "om.kashikar.batch2025@sitnagpur.siu.edu.in". The main workspace shows a code editor with the following Python script:

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

The code editor has tabs for "areaOfRe...", "Submit", and "Debugger". Below the code editor, there's a performance metrics section showing "Average time: 0.006 s" and "Maximum time: 0.009 s". It also displays test results: "5 out of 5 shown test case(s) passed" and "5 out of 5 hidden test case(s) passed".

On the left, there's a sidebar with sections for "Input Format" (describing the input as two floats) and "Output Format" (describing the output as a float with 2 decimal places). At the bottom, there's a "Sample Test Cases" section and a "Test cases" tab.