

**Code 1.1.3 }** Write a Python program that prompts the user to enter the `side_length` of a square and computes the area of the square.

**Algorithm :**

Step 1 : start

Step 2 : input of `side_length`

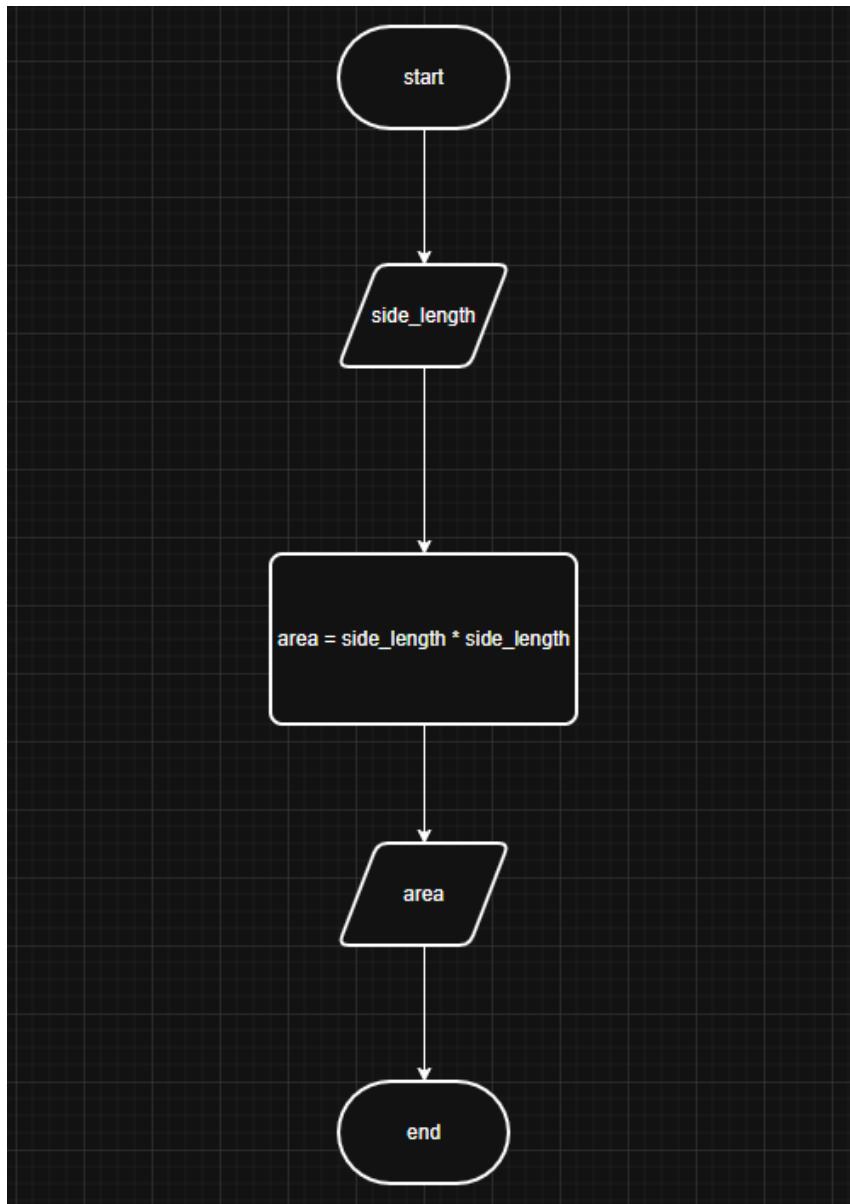
Step 3 : calculating `area = side_length * side_length`

Step 4 : stop

**Code :**

```
Side_length = float(input())
Area = Side_length * Side_length
Print(Area)
```

**Flowchart :**



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**1.1.3. Calculate Area of the Square**

Write a Python program that prompts the user to enter the *side\_length* of a square and computes the area of the square.

**Formula:**

- $\text{Area} = \text{side\_length}^2$

**Input Format:**

- The input is a positive integer value that represents the *side\_length* of the square.

**Output Format:**

- The output is a positive integer value that represents the area of the square.

Sample Test Cases

AreaSqua...

```
1 side_length = int(input())
2 area = side_length * side_length
3 print(area)
4
```

Average time Maximum time  
**0.004 s** 0.004 s 4.00 ms  
3.76 ms

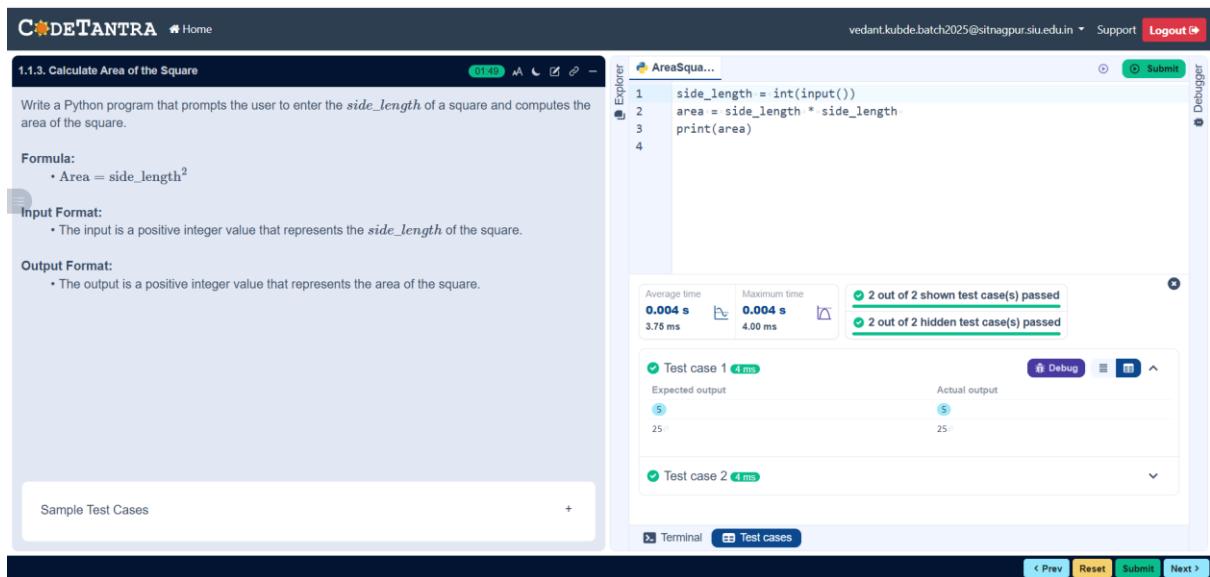
2 out of 2 shown test case(s) passed  
2 out of 2 hidden test case(s) passed

Test case 1 4 ms  
Expected output: 5  
Actual output: 25

Test case 2 4 ms

Terminal [Test cases](#)

< Prev Reset Submit Next >

The screenshot shows a Python code editor with a single-line script to calculate the area of a square. The code uses `int(input())` to get the side length and then calculates the area by multiplying it by itself. It prints the result. Below the code, performance metrics show an average time of 0.004 seconds and a maximum time of 4.00 ms. Two test cases are shown, both of which passed. The first test case expects the input '5' and gets the output '25'. The second test case also passed. At the bottom, there are buttons for 'Terminal', 'Test cases', and navigation links like '< Prev', 'Reset', 'Submit', and 'Next >'.