

# EXPERIMENT NO 1

Name : Om Kashikar

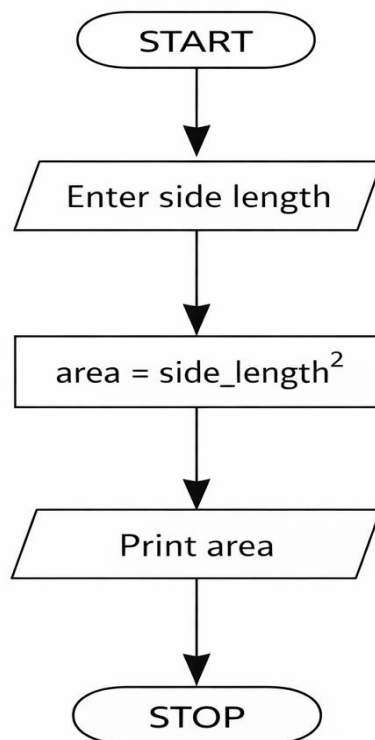
PRN : 25070521170

## 1.1.3 Area of square

### Algorithm

1. Start
2. Read the side length of the square.
3. Calculate the area using the formula
4.  $\text{area} = \text{side\_length}^2$
5. Display the area.
6. Stop

### Flowchart



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## Python code

```
side_length = int(input())
```

```
area = side_length ** 2
```

```
print(area)
```

## EXECUTION

The screenshot displays the CODETANTRA online IDE interface. On the left, the problem statement for "1.1.3. Calculate Area of the Square" is shown, including the formula  $\text{Area} = \text{side\_length}^2$  and input/output formats. The main editor on the right contains the Python code: 

```
side_length = int(input())
area = side_length ** 2
print(area)
```

. Below the code editor, the execution results are displayed, showing that 2 out of 2 shown test cases and 2 out of 2 hidden test cases passed. The average time taken was 0.004 s (4.00 ms) and the maximum time was 0.006 s (6.00 ms). The test cases table shows that for both test cases, the expected output (25) matched the actual output (25). The interface also includes a terminal, a test cases tab, and navigation buttons at the bottom.

Test Case	Expected output	Actual output	Status
Test case 1	25	25	Passed
Test case 2	25	25	Passed