

EXPERIMENT NO 1

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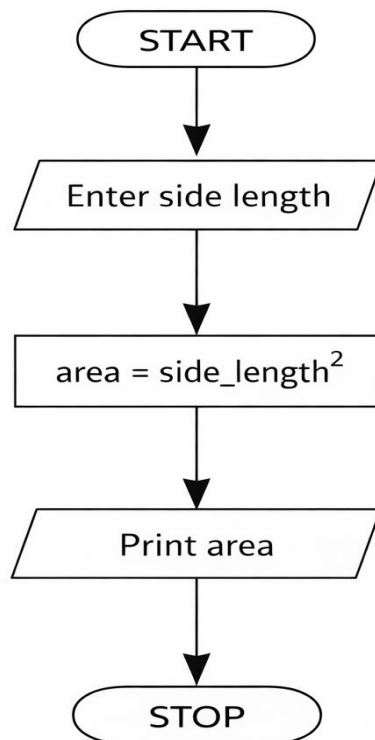
PRN : 25070521137

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)
```

EXCECUTION

The screenshot displays the CodeTANTRA 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 specifications. The main editor on the right contains the Python code:

```
# Write your code here...  
side=int(input())  
area=side*side  
print(area)
```

. Below the code editor, the execution results are displayed, showing that 2 out of 2 shown test cases passed and 2 out of 2 hidden test cases passed. The test cases table shows the expected output (25) matching the actual output (25) for both test cases. The bottom of the interface includes a terminal, test cases button, and navigation controls like 'Prev', 'Reset', 'Next', and 'Submit'.

Average time	Maximum time	Test Case Status
0.003 s	0.004 s	2 out of 2 shown test case(s) passed
3.25 ms	4.00 ms	2 out of 2 hidden test case(s) passed

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