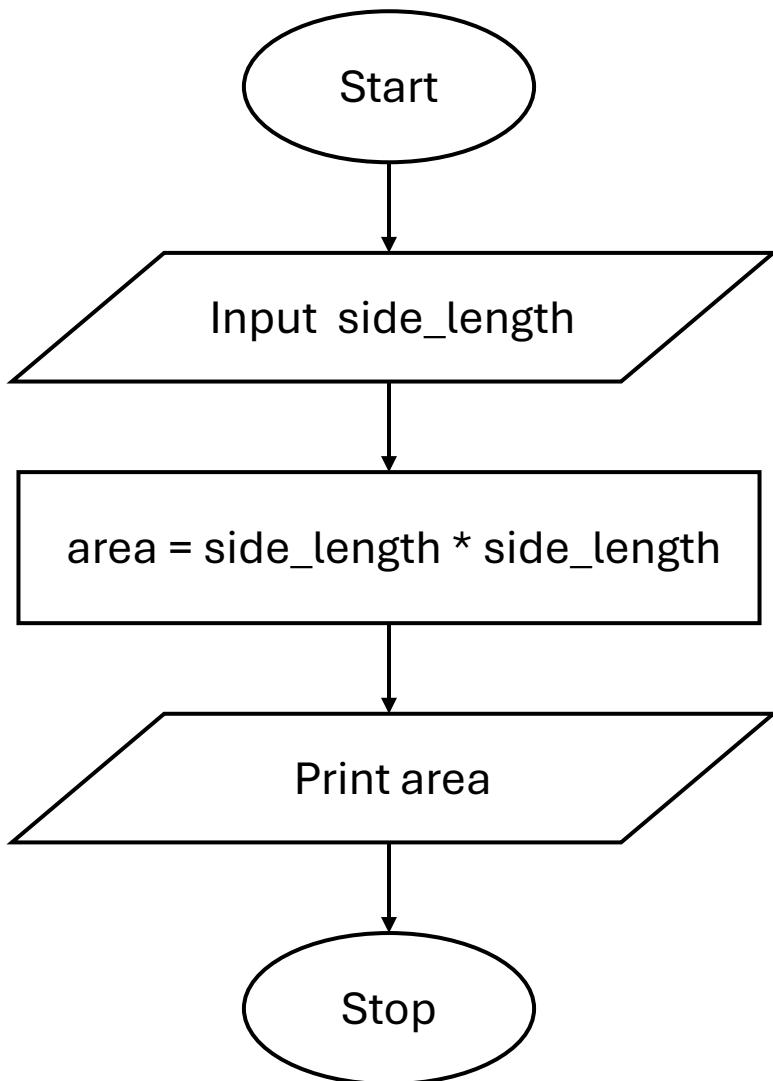


## 1.1.3 Calculate Area of the Square

- Algorithm

STEP 1 : Start  
STEP 2 : Input side\_length  
STEP 3 : Calculate  
     $\text{area} = \text{side\_length} * \text{side\_length}$   
STEP 4 : Print area  
STEP 5 : Stop

- Flowchart



- Code

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

- Execution

The screenshot shows the CodeTantra IDE interface with the following details:

- Header:** Home, Logout, Support, Debugger, AreaSqua..., Debug, Submit.
- Left Sidebar:** om.mahajan.batch2025@simnagpur.siu.edu.in ▾, Support, Logout.
- Middle Column (Code Area):**
  - Code Snippet:

```
1 side_length=int(input())
2 area=side_length*side_length
3 print(area)
```
  - Formulas:
    - 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.
- Right Column (Test Results):**

Average time	Maximum time	Test Cases
0.009 s	0.025 s	✓ 2 out of 2 shown test case(s) passed
9.00 ms	25.00 ms	✓ 2 out of 2 hidden test case(s) passed

  - Test case 1: 25 ms
  - Test case 2: 5 ms
- Bottom Right:** Terminal, Test cases, < Prev, Reset, Submit, Next >, Sample Test Cases.