

1.1.3 Area of Square - Algorithm, Flowchart and Code

A) Algorithm

Step 1. Start

Step 2. Read side_length (a)

Step 3. Compute area = a × a (or a^2)

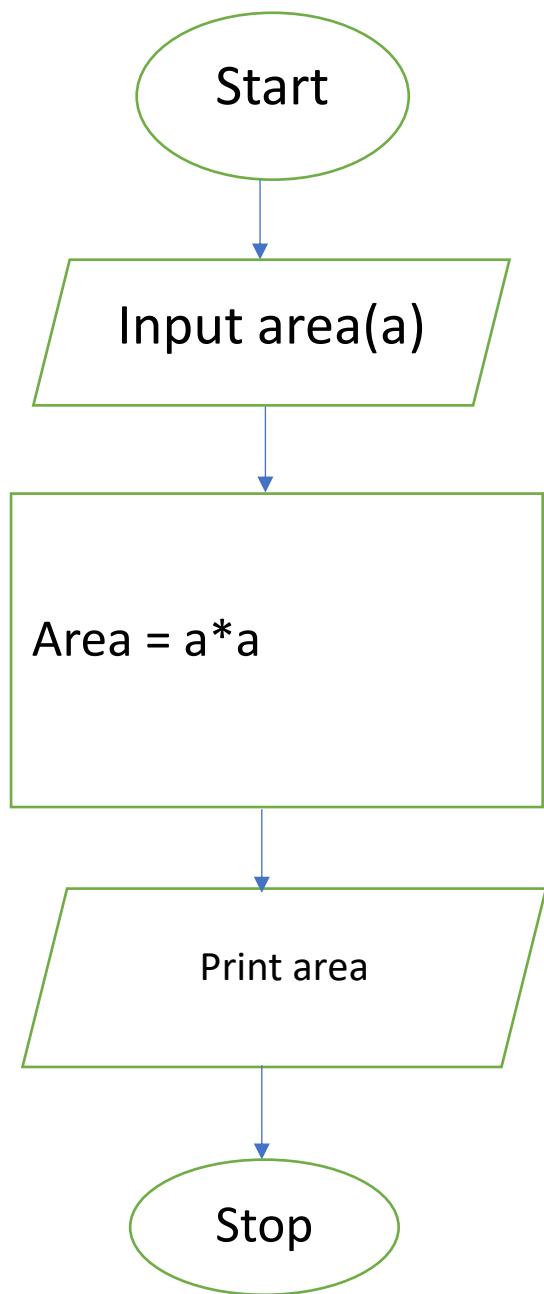
Step 4. Display/Print the area

Step 5. Stop

B) Python Code :

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

C) flowchart :



D) Output image :

The screenshot shows a programming environment on the CodeAntra platform. The user is working on a task titled "1.1.3. Calculate Area of the Square".

Task Description: 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.

Code Snippet:

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

Test Results:

Average time: 0.005 s / Maximum time: 0.006 s
4.75 ms / 6.00 ms

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

Test case 1: Expected output 5, Actual output 25
Test case 2: Expected output 5, Actual output 25

Sample Test Cases