

PRN : 25070521157

NAME : KANHAIYA TYAGI

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

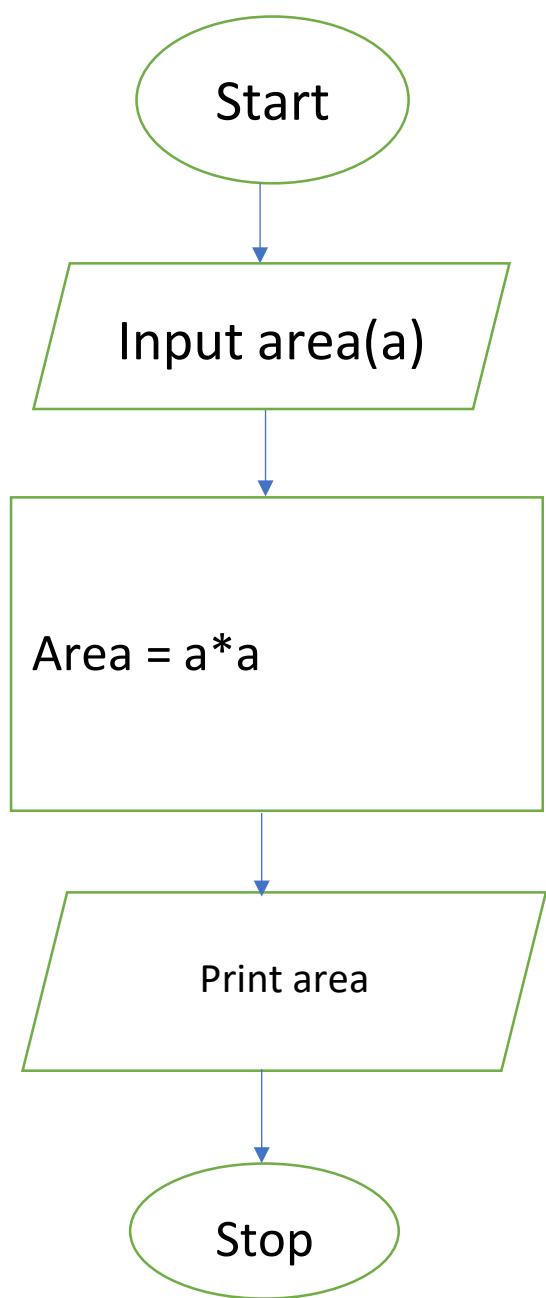
B) Python Code :

```
a= int(input())
```

```
area = a*a
```

```
print(area)
```

C) flowchart :



D) Output image :

1.1.3. Calculate Area of the Square

Write a Python program that prompts the user to enter the *side_length* of a 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

