.

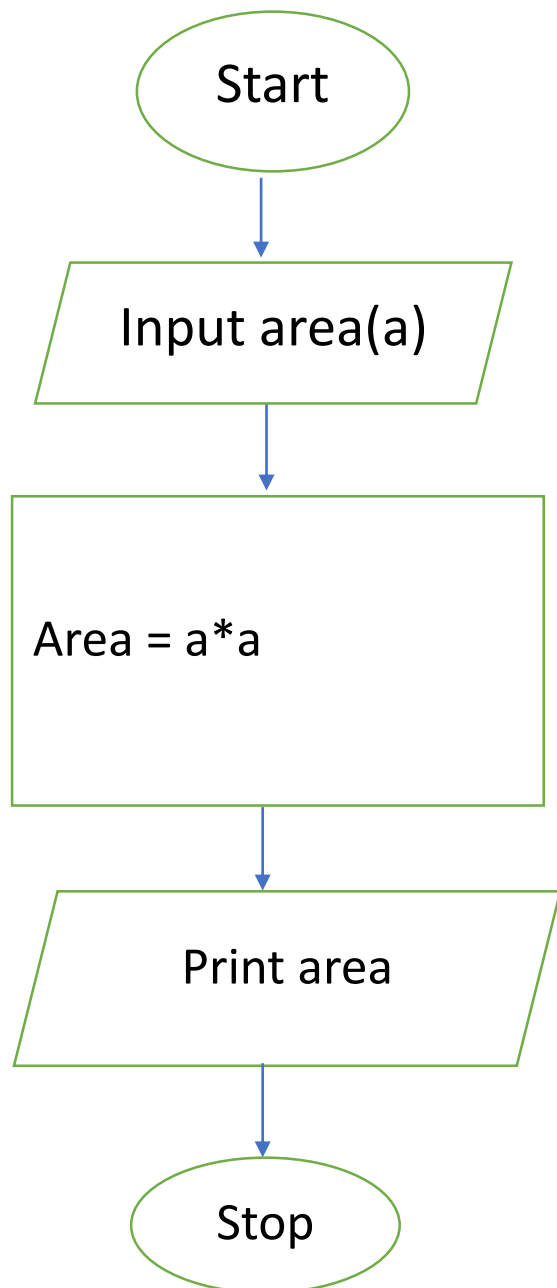Step 1. Start

Step 2. Read side_length (a)

Step 3. Compute area = a × a (or a²)

Step 4. Display/Print the area

Step 5. Stop

B) Python Code :

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

C) flowchart :

```
        ( Start )
            |
            v
   / Input area(a) /
            |
            v
   +----------------+
   |                |
   |  Area = a*a    |
   |                |
   +----------------+
            |
            v
     / Print area /
            |
            v
        ( Stop )
```

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 and computes the area of the square.

Formula:
- $Area = side\_length^2$

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   +

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

Average time	Maximum time	✓ 2 out of 2 shown test case(s) passed
0.005 s	**0.006 s**	✓ 2 out of 2 hidden test case(s) passed
4.75 ms	6.00 ms	

✓ Test case 1 6 ms

Expected output	Actual output
5	5
25	25

✓ Test case 2 4 ms