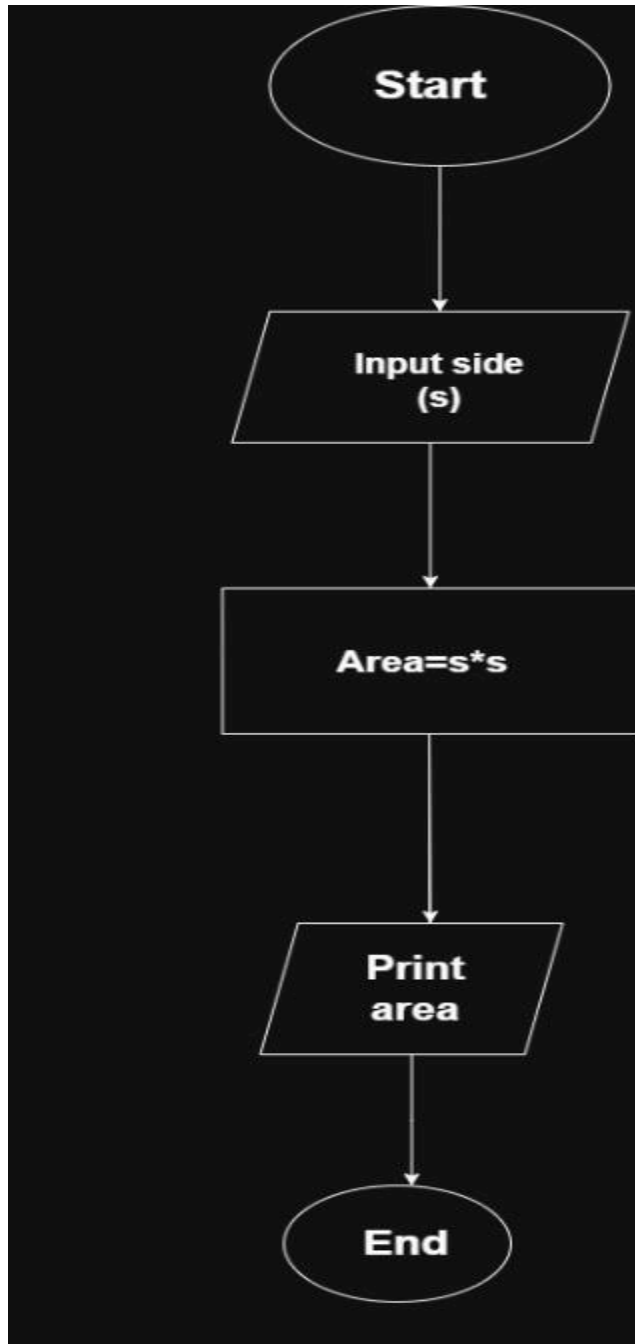Experiment 1.3: Area of square
Algorithm:

```
Step 1: START
Step 2: INPUT side_length (as positive integer)
Step 3: CALCULATE area = side_length × side_length
Step 4: OUTPUT area (as positive integer)
Step 5: STOP
```

Flowchart:

Code:

1.1.3. Calculate Area of the Square

01:28   A̅A̲   ☾   🖊   ⤺   —

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

+

🗔 Explorer

🐍 AreaSqua...   ⊙   ⦿ Submit

```
1  a=int(input())
2  area=a*a
3  print(area)
4
5
6
7
8
9
```

Average time   Maximum time
0.009 s 📈   **0.011 s** 📉
9.25 ms   11.00 ms

⟨ Test case 1 11 ms   🧊 Debug   ⫴ ▦   ⟩

Expected output   Actual output

5   5

25   25

⟨ Test case 2 8 ms   ⟨

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

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

✕

🖥 Terminal   ▦ Test cases

⚙ Debugger

‹ Prev   Reset   Submit   Next ›