Experiment – 1.1.3

Calculate Area of the Square

- **Algorithm**

  STEP 1 : Start
  STEP 2 : Input side_length
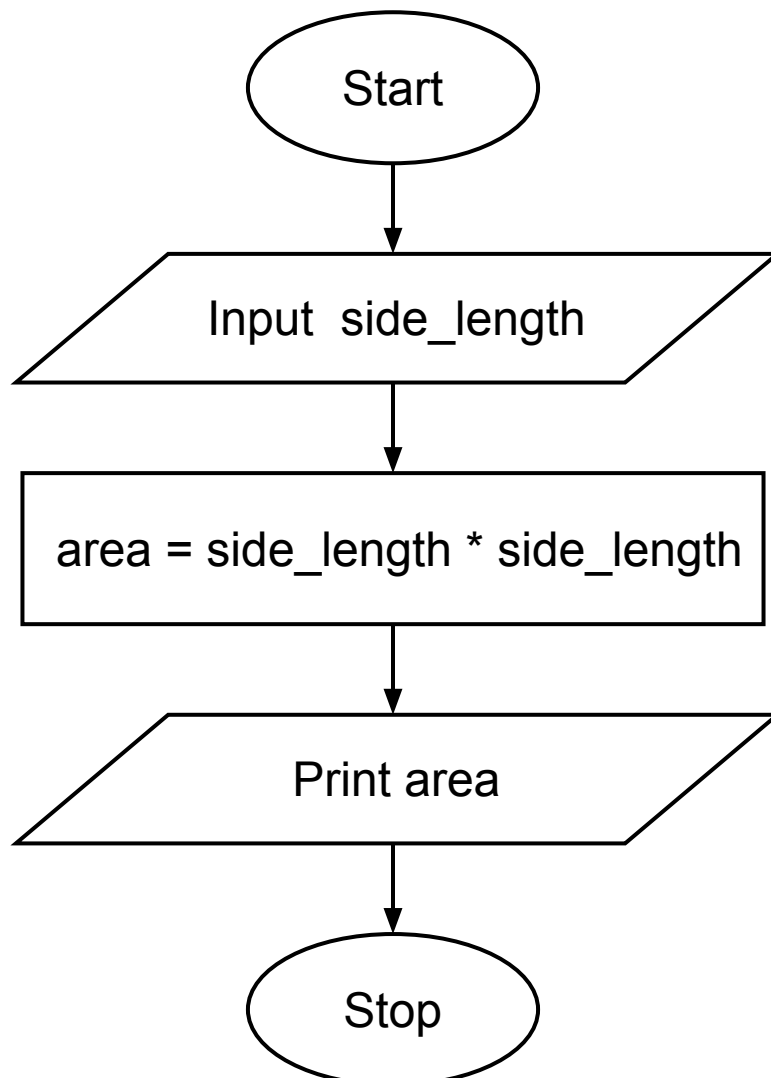 STEP 3 : Calculate
        area = side_length *
  side_length
  STEP 4 : Print area
  STEP 5 : Stop

- **Flowchart**

```
        ( Start )
            |
            v
   / Input  side_length /
            |
            v
 [ area = side_length * side_length ]
            |
            v
   / Print area /
            |
            v
        ( Stop )
```

- Code

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

1.1.3. Calculate Area of the Square

`02:26`

Write a Python program that prompts the user to enter the $side\_length$ of a square and computes the area of the square.

Formula:
- $\text{Area} = side\_length^2$

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   +

AreaSqua...

Submit

```python
1   side_length = int(input())
2   area = side_length * side_length
3   print(area)
4
5
```

Average time	Maximum time
0.003 s	**0.004 s**
2.75 ms	4.00 ms

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

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

✓ **Test case 1** `4 ms`   🐞 Debug

Expected output	Actual output
5	5
25	25

✓ **Test case 2** `3 ms`

> Terminal   ⊞ Test cases