

### 1.1.3

AIM: Write a Python program that prompts the user to enter the Side\_Length of a square and computes the area of the square.

ALGORITHM:

Step 1 -> start

Step 2 -> take input of side\_length

Step 3 -> calculate area :-

Area = side\_length \* side\_length

Step 4 -> give output

Step 5 -> stop

CODE:

The screenshot displays the CodeTANTRA web-based IDE interface. The top navigation bar includes the 'CODETANTRA' logo, a 'Home' link, and user information for 'tejas.mahurkar.batch2025@sitnagpur.siu.edu.in' with 'Support' and 'Logout' options. The main workspace is titled '1.1.3. Calculate Area of the Square' and contains the following content:

- 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.

Below the instructions is a 'Sample Test Cases' section with a '+' icon. On the right side, the 'Explorer' panel shows a file named 'AreaSqua...'. The code editor contains the following Python code:

```
1 side_length = int(input())
2 area = side_length * side_length
3 print(area)
4
5
6
7
8
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10
11
```

The bottom of the interface features a 'Terminal' and 'Test cases' panel, and a 'Debugger' sidebar on the far right.

