

# 1.1.3 Area of Square

The screenshot shows the CodeTantra IDE interface. The title bar says "CODETANTRA Home". The main area has a dark header "1.1.3. Calculate Area of the Square" with a progress bar at 0.24%. Below it, there's a description: "Write a Python program that prompts the user to enter the `side_length` of a square and computes the area of the square." A formula is given: "Area = side\_length<sup>2</sup>". Input and output formats are also specified. The code editor shows a file named "AreaSqua..." with the following code:

```
1 side_lenght = int(input())
2 area = side_lenght ** 2
3 print(area)
4
5
6
```

The code is run and passed two test cases. The results show "2 out of 2 shown test case(s) passed" and "2 out of 2 hidden test case(s) passed". Test case 1 expected output is 5 and actual output is 25. Test case 2 expected output is 5 and actual output is 25. The terminal shows no errors.

## Algorithm

Step 1: Start

Step 2: Read the radius

Step3: Calculate the area:  $4 * \text{Side}$

Step 4: Display the Result

Step 5: End

# Flowchart

