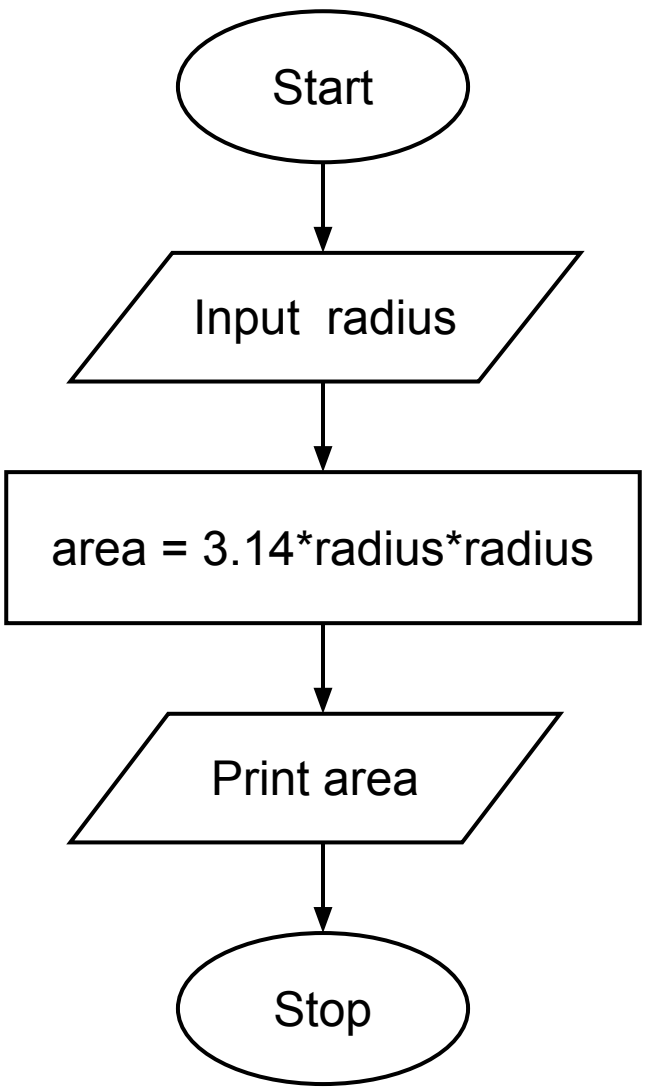
Experiment – 1.1.1

1 Area of Circle

- Algorithm

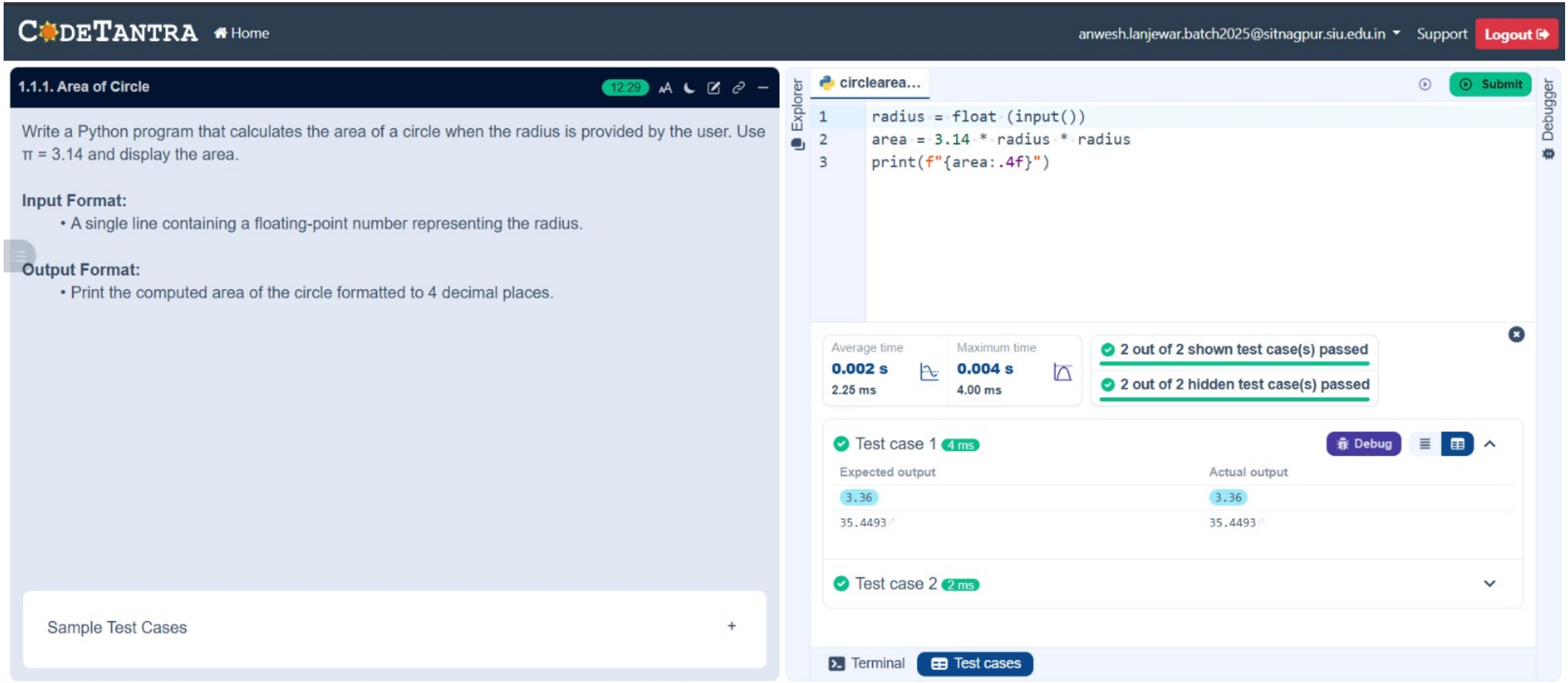
STEP 1 : Start
STEP 2 : Input radius
STEP 3 : Calculate
area =
3.14*radius*radius
STEP 4 : Print area
STEP 5 : Stop

- Flowchart



- Code

```
radius=float(input())
area=3.14*radius*radius
print(f"{area:.4f}")
```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1.1.1. Area of Circle
12:29
Write a Python program that calculates the area of a circle when the radius is provided by the user. Use π = 3.14 and display the area.
Input Format:
• A single line containing a floating-point number representing the radius.
Output Format:
• Print the computed area of the circle formatted to 4 decimal places.
Sample Test Cases
Explorer
circlearea...
Submit
Debugger
1 radius = float (input())
2 area = 3.14 * radius * radius
3 print(f"{area:.4f}")
Average time
0.002 s
2.25 ms
Maximum time
0.004 s
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
3.36
35.4493
3.36
35.4493
Test case 2 2 ms
Terminal
Test cases