EXPERIMENT 3.1.2

3.1.2 Celsius to Fahrenheit

ALGORITHM:

Step 1: Start

Step 2: Read temperature in Celsius → C

Step 3: Calculate Fahrenheit using the formula

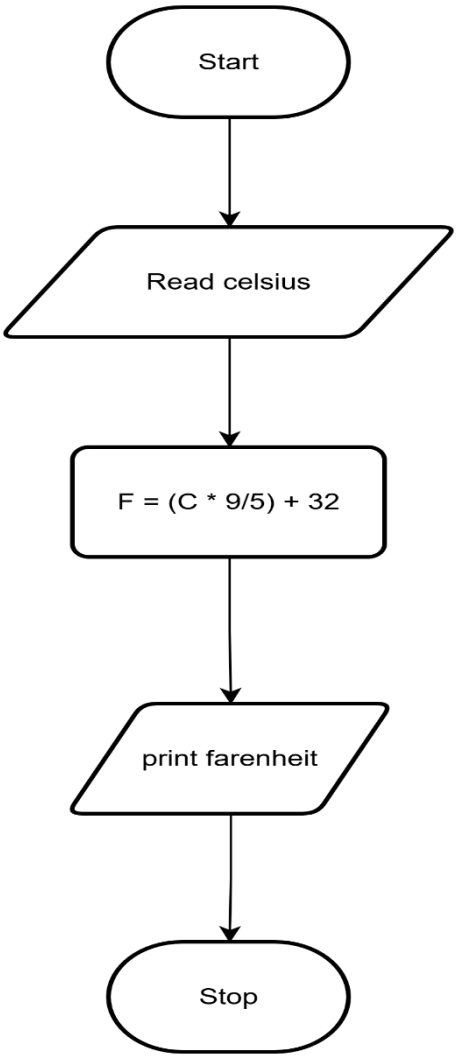
Step 4: Display value of F $F = (C \times \frac{9}{5}) + 32$

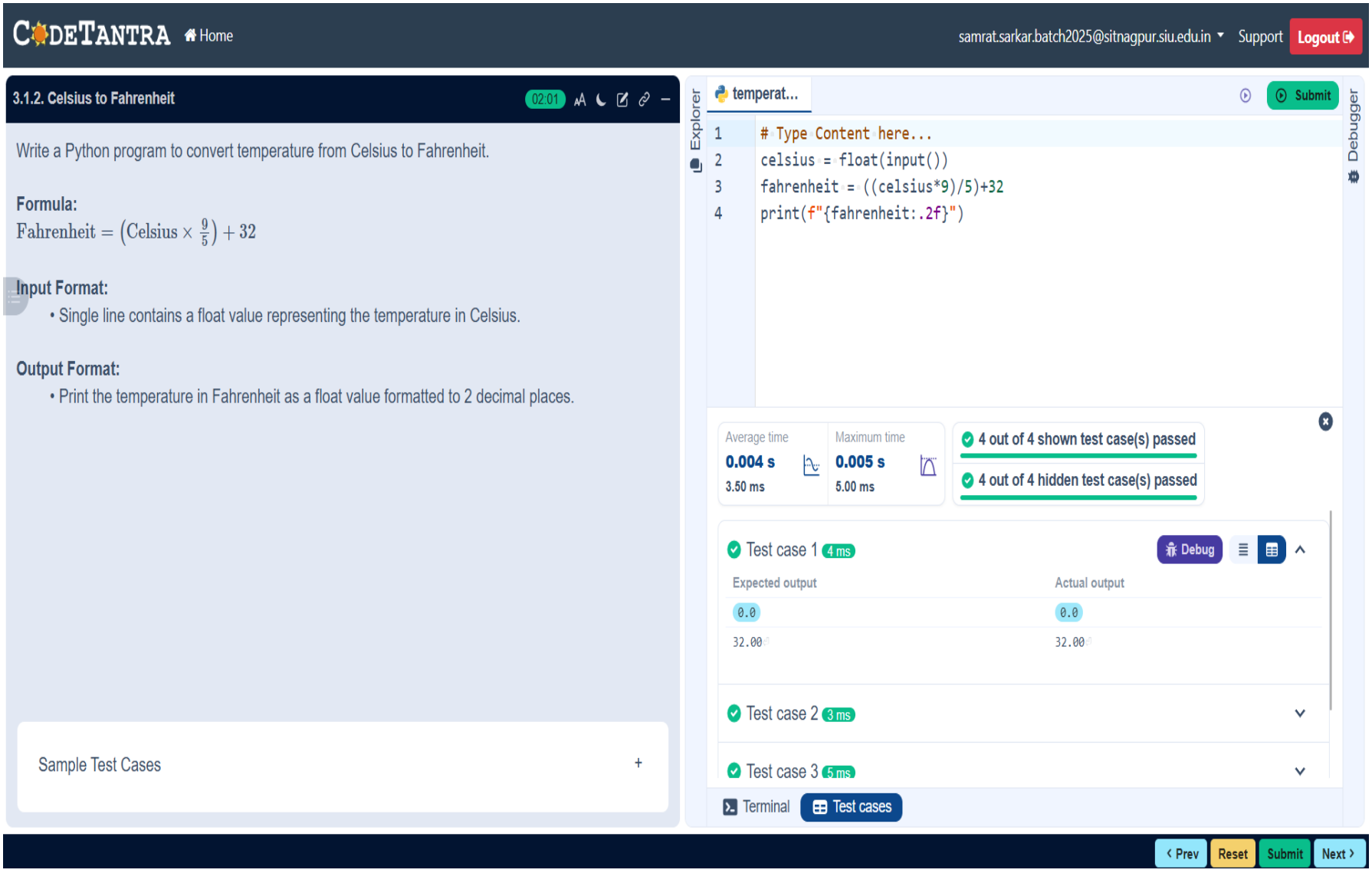
Step 5: Stop

Code:

```
celsius = float(input()) fahrenheit
= ((celsius*9)/5)+32
print(f"{fahrenheit:.2f}")
```

FlowChart:




CODETANTRA
Home
samrat.sarkar.batch2025@sitnagpur.siu.edu.in
Support
Logout
3.1.2. Celsius to Fahrenheit
02:01
Write a Python program to convert temperature from Celsius to Fahrenheit.
Formula:
$\text{Fahrenheit} = \left(\text{Celsius} \times \frac{9}{5}\right) + 32$
Input Format:
• Single line contains a float value representing the temperature in Celsius.
Output Format:
• Print the temperature in Fahrenheit as a float value formatted to 2 decimal places.
Sample Test Cases
+
Explorer
temperat...
Submit
Debugger
1 # Type Content here...
2 celsius = float(input())
3 fahrenheit = ((celsius*9)/5)+32
4 print(f"{fahrenheit:.2f}")
Average time
0.004 s
3.50 ms
Maximum time
0.005 s
5.00 ms
4 out of 4 shown test case(s) passed
4 out of 4 hidden test case(s) passed
Test case 1 4 ms
Debug
Expected output
Actual output
0.0
0.0
32.00
32.00
Test case 2 3 ms
Test case 3 5 ms
Terminal
Test cases
‹ Prev
Reset
Submit
Next ›