Experiment 3.1.2

Aim:- Write a Python program to convert temperature from Celsius to Fahrenheit.

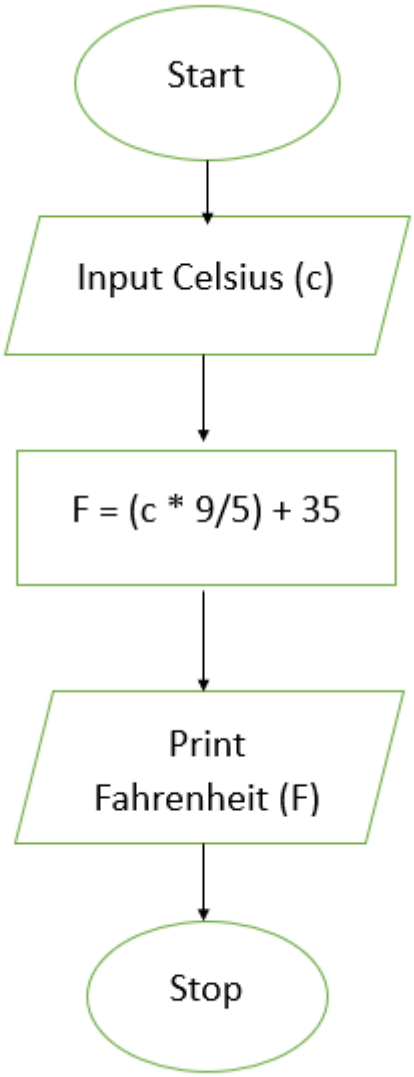
Algorithm:-

Step 1: Start
Step 2: Read temperature in Celsius C
Step 3: Calculate Fahrenheit using

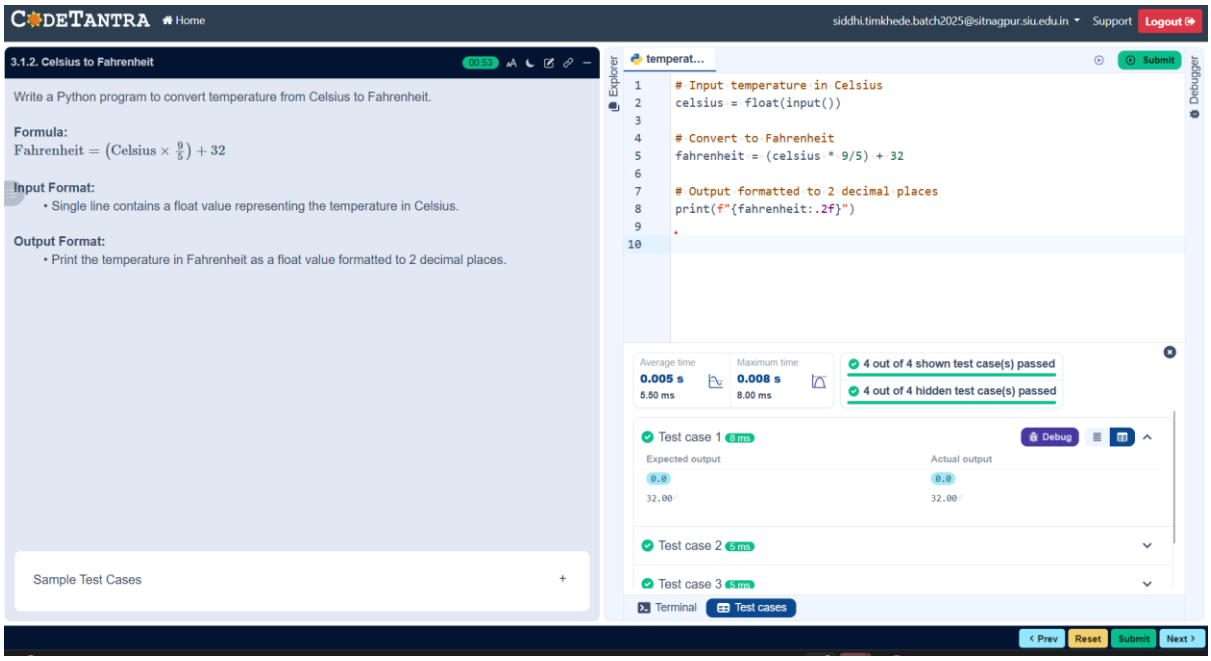
$$F = (C \times 9/5) + 32$$

Step 4: Display F rounded to two decimal places
Step 5: Stop

Flowchart:-



Code:-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3.1.2. Celsius to Fahrenheit
00:53
Write a Python program to convert temperature from Celsius to Fahrenheit.
Formula:
$\text{Fahrenheit} = (\text{Celsius} \times \frac{9}{5}) + 32$
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 # Input temperature in Celsius
2 celsius = float(input())
3
4 # Convert to Fahrenheit
5 fahrenheit = (celsius * 9/5) + 32
6
7 # Output formatted to 2 decimal places
8 print(f"{fahrenheit:.2f}")
9
10
Average time
0.005 s
5.50 ms
Maximum time
0.008 s
8.00 ms
4 out of 4 shown test case(s) passed
4 out of 4 hidden test case(s) passed
Test case 1 8 ms
Debug
Expected output
0.0
32.00
Actual output
0.0
32.00
Test case 2 5 ms
Test case 3 5 ms
Terminal
Test cases
Prev
Reset
Submit
Next