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

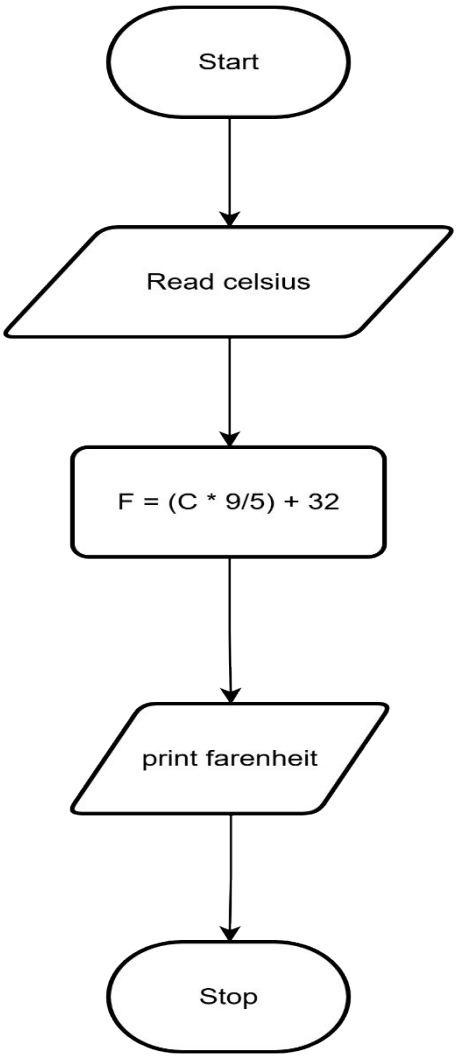
Step 4: Display value of F $F = (C \times \frac{9}{5}) + 32$

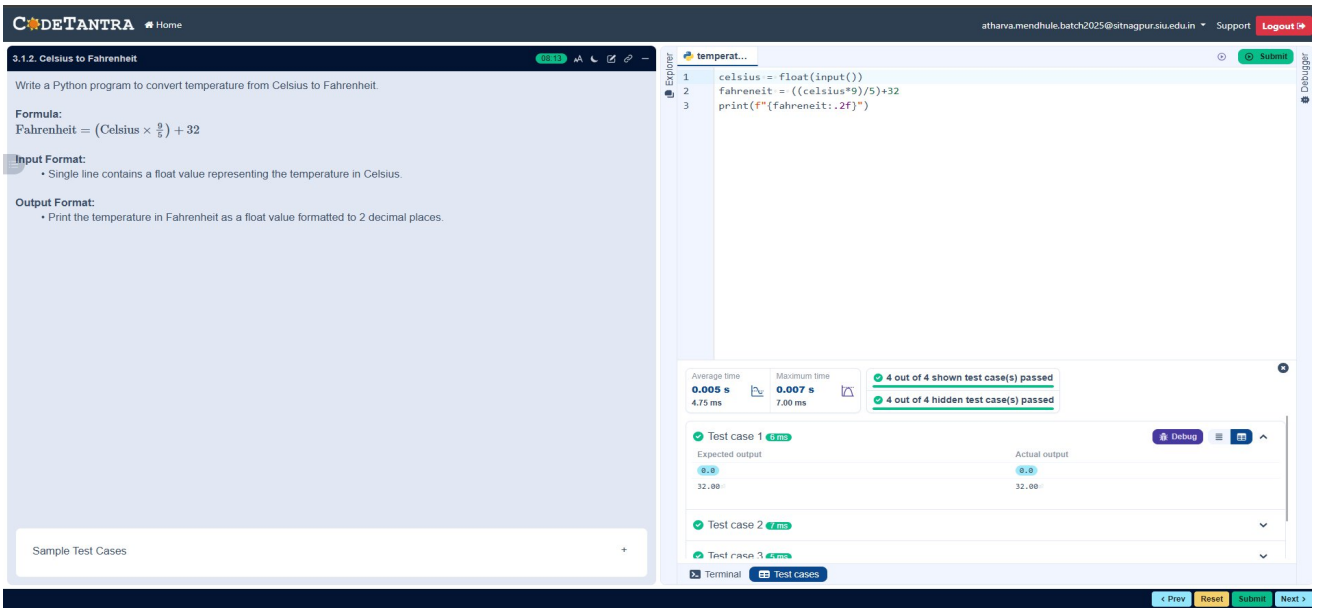
Step 5: Stop

Code:

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

FlowChart:

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3.1.2. Celsius to Fahrenheit
08:13
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 celsius = float(input())
2 fahreneit = ((celsius*9)/5)+32
3 print(f"{fahreneit:.2f}")
Average time
0.005 s
4.75 ms
Maximum time
0.007 s
7.00 ms
4 out of 4 shown test case(s) passed
4 out of 4 hidden test case(s) passed
Test case 1
6 ms
Debug
Expected output
Actual output
0.0
32.00
0.0
32.00
Test case 2
7 ms
Test case 3
Terminal
Test cases
‹ Prev
Reset
Submit
Next ›

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3.1.2. Celsius to Fahrenheit

01:56

Write a Python program to convert temperature from Celsius to Fahrenheit.

Formula:

$$\text{Fahrenheit} = (\text{Celsius} \times \tfrac{9}{5}) + 32$$

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

```
1 # Type Content here...
2 celsius = float(input())
3 fahrenheit = ((celsius*9)/5)+32
4 print(f"{fahrenheit:.2f}")
```

Debugger

Average time 0.009 s 9.00 ms

Maximum time 0.016 s 16.00 ms

4 out of 4 shown test case(s) passed

4 out of 4 hidden test case(s) passed

Test case 1 7 ms Debug

Expected output	Actual output
0.0	0.0
32.00	32.00

Test case 2 5 ms

Test case 3 8 ms

Terminal Test cases

‹ Prev Reset Submit Next ›