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

$$F = (C \times \frac{9}{5}) + 32$$

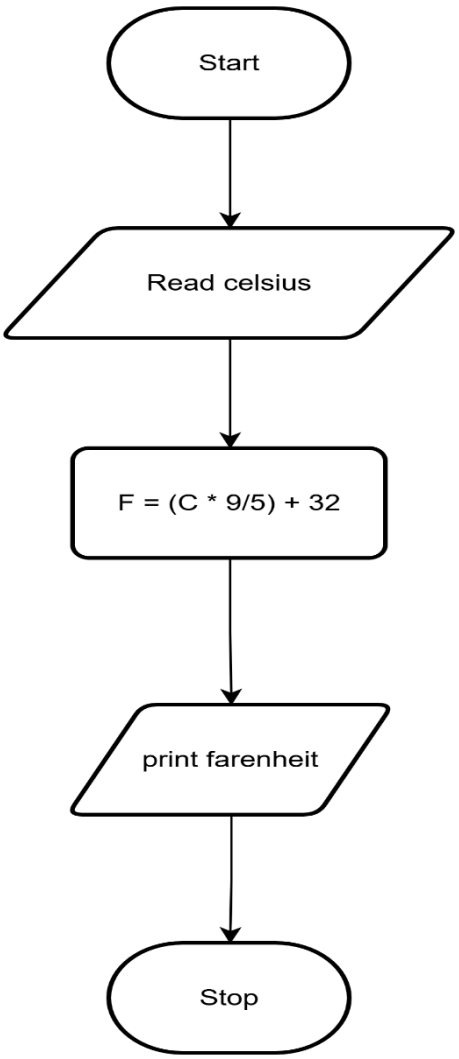
Step 4: Display value of F

Step 5: Stop

Code:

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

FlowChart:


Start
Read celsius
F = (C * 9/5) + 32
print farenheit
Stop

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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

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