

### 1. 3.1.2 Celsius to Fahrenheit.

#### Algorithm

1.Start

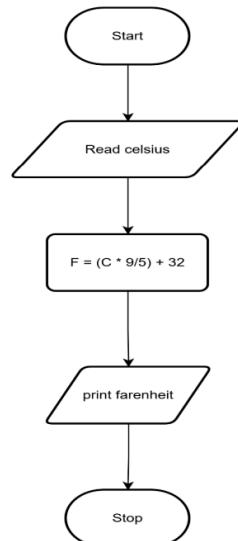
2.Read the temperature in Celsius as a float value.

3.Convert Celsius to Fahrenheit using the formula  $F = (C \times 9/5) + 32$ .

4.Format the result to two decimal places.

5.Print the temperature in Fahrenheit.

6.Stop



soumya.saraf.batch2025@sitnagpur.siu.edu.in ▾ Support Logout ↗

**3.1.2. Celsius to Fahrenheit** 02:57 A ⚡ ⚡ -

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

**Formula:**  
 $Fahrenheit = (Celsius \times \frac{9}{5}) + 32$

**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 +

temperat... Explorer Debugger

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

Average time 0.004 s Maximum time 0.008 s 4.38 ms 8.00 ms 4 out of 4 shown test case(s) p 4 out of 4 hidden test case(s) p

Test case 1 4 ms Test case 2 6 ms Test case 3 3 ms Test case 4 8 ms

Terminal Test cases < Prev Reset Submit Next >

This screenshot shows a programming environment for a Celsius to Fahrenheit converter. The left sidebar provides instructions and formulas. The main area has an 'Explorer' tab showing a Python script with a single-line conversion formula. Below it, performance metrics show an average execution time of 0.004 seconds. The right sidebar displays a table of four test cases, all of which have passed, indicated by green checkmarks. At the bottom, there are links for a terminal, test cases, and navigation buttons like 'Prev', 'Reset', 'Submit', and 'Next'.