

3.1.2 Celsius to Fahrenheit

Algorithm

Step 1:- Start

Step 2:- Read the temperature in Celsius → C

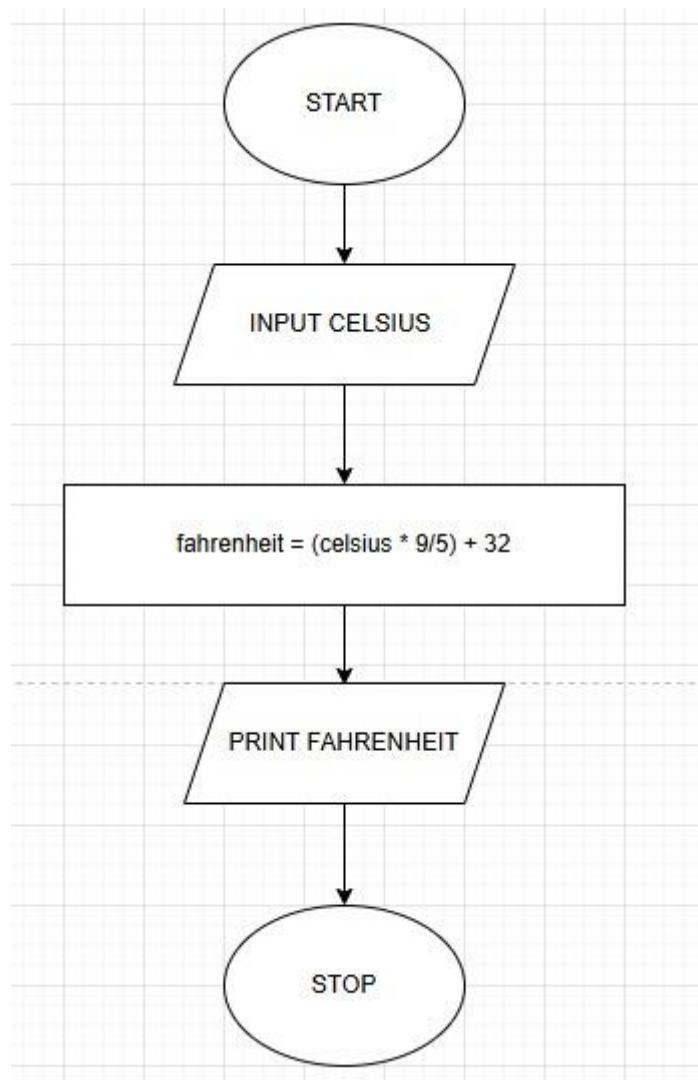
Step 3:- Apply the formula:

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

Step 4:- Display the temperature in Fahrenheit → F

Step 5:- End

FLOWCHART



PYTHON CODE

```
celsius = float(input())
fahrenheit = (celsius *1.8)+32
print(f"{fahrenheit:.2f}")
```

EXECUTION

The screenshot shows the CodeTantra platform interface. The user is working on a task titled "3.1. Largest of Three Numbers". The task description states: "Write a Python program that prompts the user to enter three integers. Print the largest of the three integers." It includes input and output formats: "Input Format: The program will prompt the user to enter three integers, one per line." and "Output Format: The output will display the largest integer among the three integers.".

In the code editor, the user has written the following Python code:

```
a=int(input())
b=int(input())
c=int(input())
print(max(a,b,c))
```

The code is submitted and executed. The results show:

- Average time: 0.018 s
- Maximum time: 0.023 s
- Test Cases:
 - Test Case 1: Passed (Expected output: 5, Actual output: 5)
 - Test Case 2: Passed (Expected output: 6, Actual output: 6)
 - Test Case 3: Passed (Expected output: 7, Actual output: 7)
- 2 out of 2 shown test case(s) passed
- 2 out of 2 hidden test case(s) passed

At the bottom, there are navigation buttons: < Prev, Reset, Submit (highlighted in yellow), and Next >.