

3.1.2 Celsius to Fahrenheit

Algorithm

Step 1:- Start

Step 2:- Read the temperature in Celsius → C

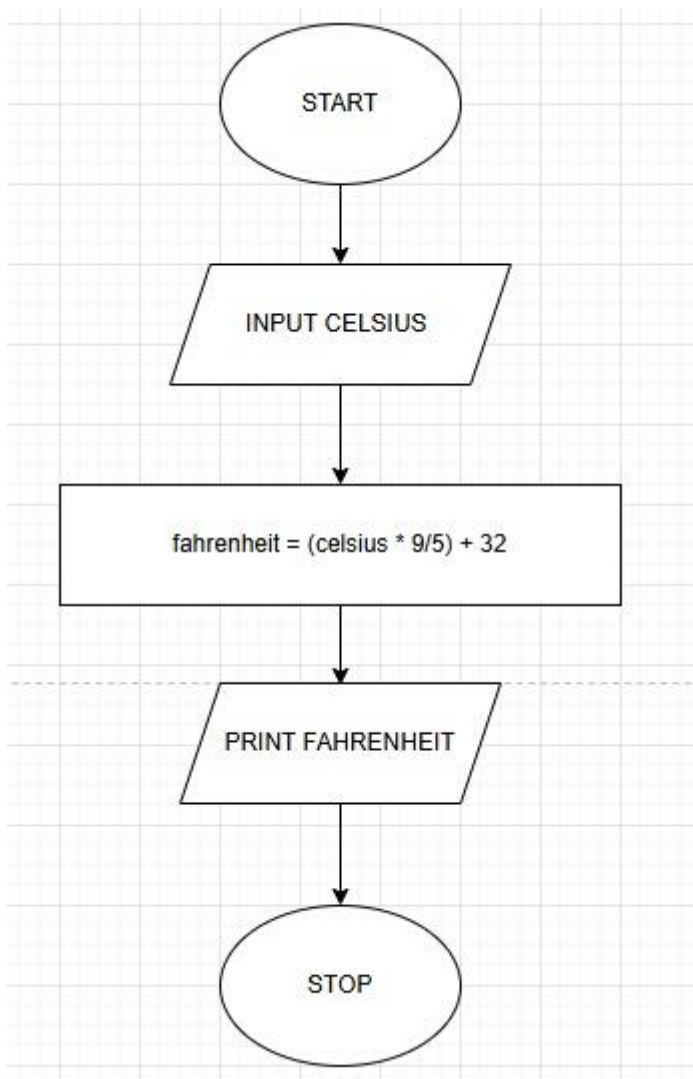
Step 3:- Apply the formula:

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

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 displays the CodeTANTRA IDE interface. On the left, the problem statement for '3.1.1. Largest of Three Numbers' is shown, including input and output formats. The main editor on the right contains the following Python code:

```
1 a=int(input())  
2 b=int(input())  
3 c=int(input())  
4 print(max(a,b,c))
```

Below the code editor, the execution results are displayed:

- Average time: 0.018 s, Maximum time: 0.023 s
- 18.00 ms, 23.00 ms
- 2 out of 2 shown test case(s) passed
- 2 out of 2 hidden test case(s) passed

The test cases table shows the following data:

Expected output	Actual output
5	5
6	6
7	7
7	7

Test case 2 is marked as passed (15 ms). The bottom of the interface includes a terminal and test cases tab, along with buttons for 'Prev', 'Reset', 'Submit', and 'Next'.