

EXPERIMENT - 3

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3.1.2] Celsius to Fahrenheit

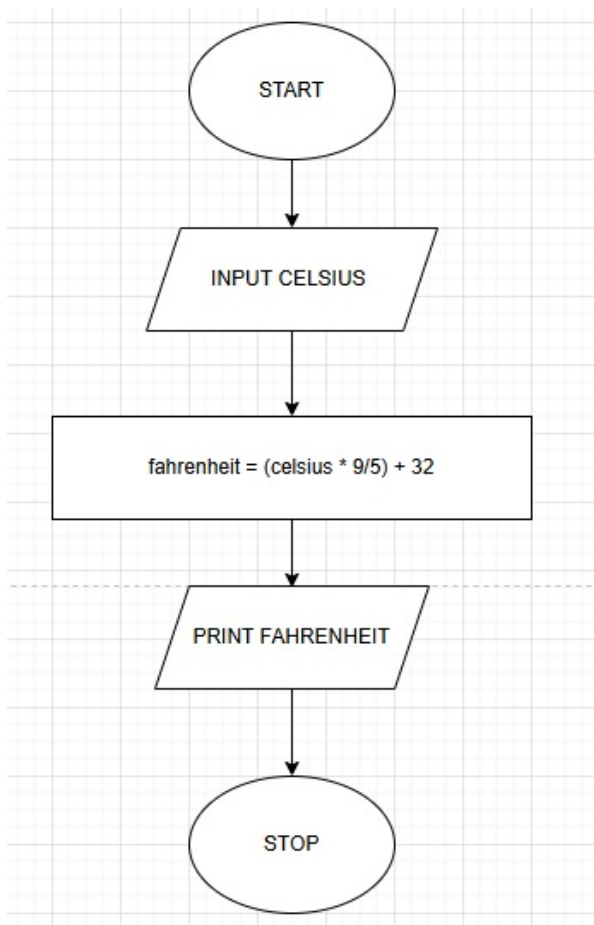
ALGORITHM

- Start
- Read temperature in Celsius as float value `celsius`
- Calculate Fahrenheit using formula:

$$fahrenheit = (celsius \times \frac{9}{5}) + 32$$

- Print the Fahrenheit value formatted to 2 decimal places
- Stop

FLOWCHART



EXPERIMENT - 3

PYTHON CODE

```
celsius = float(input())
```

```
fahrenheit = (celsius * 9/5) + 32
```

```
print(f'{fahrenheit:.2f}')
```

EXCECUTION

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3.1.2. Celsius to Fahrenheit

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

Formula:
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 +

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

Average time: 0.005 s (5.13 ms) Maximum time: 0.009 s (9.00 ms)

4 out of 4 shown test case(s) passed
4 out of 4 hidden test case(s) passed

Test case 1 (9 ms)
Expected output: 8.8
Actual output: 8.8

Test case 2 (5 ms)
Expected output: 32.00
Actual output: 32.00

Test case 3 (4 ms)
Expected output: 32.00
Actual output: 32.00

Terminal Test cases

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