

## Temperature Conversion.

### Definition:

A mathematical formula used to convert the temperature from celsius to fahrenheit.

$$\text{formula : } F = (C * 9/5) + 32$$

Usage: To convert a given temperature in celsius to fahrenheit.

$$\text{Ex: } \text{temp} = (\text{temp} * (9/5)) + 32;$$

### Algorithm:

#### 1. Initialize Scanner:

Create a scanner object named in to read input from the user.

#### 2. Prompt for Input:

Display a prompt asking the user to enter the temperature in celsius.

#### 3. Read Input:

Read the temperature value entered by the user and store it in a float variable temp.

4. Convert Temperature :

Convert the temperature from Celsius to Fahrenheit using formula.

5. Display Output:

Print the converted temperature in Fahrenheit.