



Question

A programmer has been asked to write a program that converts a temperature provided in Celsius, to the corresponding temperature in Fahrenheit. The formula to convert Celsius to Fahrenheit is:

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 9/5) + 32$$

Write an algorithm in pseudocode which completes the above task.

Answer



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Answer

There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

- Ask the user to enter a temperature in Celsius
- Cast the input to a real/float data type
- Multiply the temperature by 9/5, add 32 and store the result in a suitably named variable.
- Output the resulting temperature (now in Fahrenheit).

EXAMPLE ALGORITHM:

```
c = input("Enter a temperature in Celsius: ")  
c = float(c)  
f = (c * 9/5) + 32  
print("Your temperature in Fahrenheit is: " + str(f))
```