Laboratory 04: Data types

To be submitted on Moodle by Monday March 18th, anytime throughout the day (or earlier). To be presented in class on Tuesday, March 19th.

Create a program that allows the user to input a temperature in Fahrenheit via the keyboard. Display this temperature on the screen, then proceed to convert it to degrees Celsius. Once the conversion to Celsius is complete, recalculate it back to Fahrenheit and display the result on the screen.

To achieve this, input the temperature from the keyboard using the following procedure:

// Prompt for and obtain the original Fahrenheit temperature

printf("Enter temperature (Fahrenheit): ");

scanf("%f", &originalFahrenheit);

Perform the conversion using the following equations:

Celsius temperature = (Fahrenheit temperature - 32) / 9 \* 5

Fahrenheit temperature = Celsius temperature \* 9 / 5 + 32

Present a report demonstrating the designed algorithm step by step, the source code, as well as screenshots of the results. Include the project's location on your hard drive and showcase the outcomes.

The source code must be presented in a format that enables copy/paste.