

CSCI 105 Programming Assignment #0

Write a program with a single main function to perform the task of temperature conversion from Celsius to Fahrenheit. Note that given C as the degree of temperature in Celsius, the corresponding degree F in Fahrenheit equals $1.8 * C + 32.0$.

Key variables:

Inside the main function, you should declare two variables C and F of the *double* type for storing and processing of the information of temperature in Celsius and Fahrenheit respectively.

Your program should

- display a message asking the user to key in the degree in Celsius,
- read the user input from the keyboard and store it in the variable C ,
- calculate the corresponding degree in Fahrenheit and store it in the variable F , and then
- display a message to report the corresponding degree in Fahrenheit.

For example, the user may tell the program that the temperature is 20.5 degree Celsius. The program should calculate report that it equals 68.9 degree Fahrenheit.