

## CSCI-14 Assignment #2, due 2/8/18

Write a C++ program that prompts the user for a temperature in degrees Celsius (dc), converts the temperature to degrees Fahrenheit (df), then displays both the user's entry and the result with reasonable text.

The formula for conversion is  $df = 9 / 5 * dc + 32$ .

Your program must allow for decimal fractions on input and output.

Test with a broad range of temperatures including at least the following: -40, 0, 37 and 100 degrees Celsius, as well as others. With your tests, explain why I chose these three values for testing. You can type the explanation into the Notepad .txt file after all of your tests. Check some of your tests by hand (you may use a calculator for checking results), and write the check math and results below the test in the file, too.