Win32 Console C++ Temperature Application

Class Hierarchy.

(a) Analyse, build and run a temperature application TEMP3.cpp

The application will have a C++ class hierarchy consisting of a base temperature class and derived Celsius and Fahrenheit classes with overloaded constructors (including conversion constructors), ‘get’ and ‘set’ methods, and Celsius / Fahrenheit / Kelvin conversion.

(b) Design the code for a derived Kelvin class (overloaded constructors, ‘get’ and ‘set’ methods, and Celsius / Fahrenheit / Kelvin conversion).

(c) Modify the code for the main driver program to illustrates the use of the Kelvin class by allowing a user enter a Celsius or Kelvin temperature, convert the temperature from Celsius to Kelvin or visa-versa, and display the results.

(d) Debug, verify and validate your code. When validating use testing pre-calculated data.