The purpose of this assignment is to give you more experience using the AVR ports, and to understand how LCD displays work.

You are to connect one of the supplied LCD displays to an AVR board and display the message “Hello World!” in the display, with “Hello” on line one, and “World!” in line two. Documentation on the LCD Display Controller is on the class website.

The avr-libc library contains some “hooks” to link a display to the standard printf family of functions. Extra credit will be given for this assignment for those who implement this assignment using printf.

As usual, in addition to writing the code, determine the size of the code in your program.