

CS452/552 - Real-Time Operating Systems

Lab Assignment #4

Spring 2016

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.