Homework:

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Answer the following questions related to serial liquid crystal displays.

What are the steps required to display a message on the LCD (straight from lecture)?

How are commands sent to a serial LCD? (what are the three steps, the functions, and values)?

What function will you use in lab to place text on the serial LCD (the one you create in your LCD.c file)?

What is ASCII data and why is it used? ASCII is the American Standard Code for Internation Exchange, which is used to represent letters. It allows us to use numbers to represent Capital & Lowercase letters

What is the address of the 1st character on line 1?

What is the address of the 1st character on line 2?

What is the actual command value to send the cursor to position 1 on line 2?

How much time is required for the LCD to execute a command and how is this handled in the software?

Provide the actual commands (function calls) for the following tasks:

Clear & Home the LCD: vart-putchar (OxOI);

Turn the cursor on: varf - putchar (OxOE);

Turn the cursor on & blink: vart- potchar (OxOD);

Turn the cursor off: Vart-putchar (OxOK);