PREPARATION

You will need the LaunchPad. You will use the terminal application **TExaSdisplay**, which can perform serial port communication on the PC. **TExaSdisplay** will be used for real board grading.

STARTER PROJECT

Lab11_UART

PURPOSE

In Lab11 you will learn how to write software that converts numbers into ASCII strings and display the string on the display connected to UART0. Please read the entire lab before starting.

SYSTEM REQUIREMENTS

The Lab11 starter project is the similar to **C11_Network** example and includes the connections to the Lab11 grader. When debugging in the simulator you will observe output in the UART debugging window. When running on the real board you will run the terminal program **TExaSdisplay**. The main program is given and should be used to test your software.

During debugging feel free to edit the main program, but during both simulation and real-board grading the main program must remain as it exists in the starter. The graders use this main program to control and test your solution.

The grader will activate the PLL so the system runs at 80 MHz, you must not modify this rate.

WORKING LAB 11

0:00 / 0:00 1.0x

DR. JONATHAN VALVANO: In this video, we will show you a working Lab 11.

It's a Real Board.

So we've downloaded a code into the Microcontroller.

And you can see I have TExaSdisplay open.

The first step to attaching is to make sure I open the port.

I can click this Open or I can click that Open, just like you did in Lab 5.

And now we're connected.

To run the program we're going to hit the Reset button.

Professor Y--

DR. REMESH YERRABALLI: OK, I'm going to hit the Reset

Help

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