EET4340

Lab 0

1. Download the Lab0.c firmware and the LCD.c and LCD.h files. Place them in a folder of your choice.
2. Download PuTTY and place it in a folder of your choice (where you have execute privileges.) The lab computers should have PuTTY on them already.
3. Use MPLabX to create a new project. **Make sure you select the correct device for the board you are using**. Add the above files to the project.
4. Build the firmware and program the PIC.
5. Play with the firmware. Take a look at the code. Try to figure out what parts of the code are responsible for each feature.
6. Look at the serial output of the board. Use PuTTY to view the serial output. If possible try both the RS232 and USB-to-serial connections. We may have to work through this as a class as sometimes the USB doesn’t want to work.
7. Modify the code so it does something different. Use your imagination. Make sure you understand the purpose of each section of code as we will be using this as our template for future labs.