

PART I : Pre-lab Assignment

Using **ee308new.s** write code to display a 2-digit decimal counter on the LCD display. One of the two on-board buttons will be used to START the counter while the other one will STOP it. When any of these two buttons is pressed, the LED on the upper side of that button is expected to be turned on, while the other turns off. The counter should start from 00 in the STOP state, and should roll over from 99 to 00. It is expected to increment with a period of 0.5 s. For timing, use the T1Interrupt ISR. The increment task is to be carried out in the main loop, you may just add a flag variable to the ISR (and do not forget to comment out the LED toggle line!)

PART II : In-lab Assignment

You will be asked to make further modifications to your code during the laboratory session.

Note:

Upload your modified code as your pre-lab assignment.

□