

Lab Assignment # 2

Instructions

- Due Date for Assignment is **21-03-2013**.
- The design must be implemented on **breadboard**, and you must burn the hex file prior to the deadline. No one will be allowed to program the controller on due date.
- Assignment must be **completed individually**

Task

Use Timer 0 as **counter** to count the external events from 0-FF and show the status of count (i.e. value of TLO) on **two seven segments**. When the count is completed i.e., when value is overflowed from FF to 00, then turn on an **LED** to indicate the completion of the count. Implement the design on **breadboard**. Use Push Button as input of external events (to be connected to T0 pin i.e. P3.4 pin)
See the schematic on next page.

Schematic Diagram:

Implement following circuit for the aforementioned assignment

