

EEC 417/517 Embedded Systems, Spring 2018

Lab 3 - Instructions

Program Branching, Lookup Tables, Interrupts, and Timer2

This lab familiarizes the student with microcontroller timing and timer interrupts. It also shows how a lookup table can be implemented in assembly language.

1. Create a new project using the source code in lab03_LookupTable.asm. Run the program and watch the first four LEDs blink in sequence.
2. Create a new project using the source code in lab03_Timer2.asm. Run the program. The program is supposed to blink the first four LEDs in order but it does not work. You will have an opportunity to debug it as part of this lab.