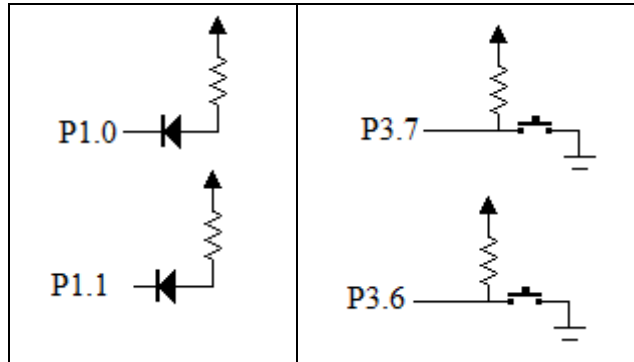


**EE 354**  
**Assignment 1**  
**8051 Assembly Language**

**Assigned: August 27, 2018**  
**Due: Sept. 5, 2018**

Write an assembly language program that runs on the AT89C51CC03 board. Add two LEDs to your board at P1.0 and P1.1 and add two push button switches to the board on P3.6 and P3.7. All resistors are 1K.



Your program should do the following:

<b>P3.7 switch</b>	<b>P3.6 switch</b>	<b>P1.0 LED</b>	<b>P1.1 LED</b>
open	open	blink slow	blink slow
open	closed	on	on
closed	open	off	off
closed	closed	blink fast	blink fast

The slow blink rate for the LEDs when both switches are open should be about 3 times second. The fast blink rate when both switches are closed should be about 10 times a second.

Bring your completed project to class on September 5 for an in class demo.

Turn in the following:

- Cover sheet with your name, assignment number, and date turned in.
- A hard copy of your commented assembly code.