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| **CS 328 Embedded Systems** | **Laboratory Project #1** | **Spring 2015** |
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**Purpose:** To gain familiarity with the TM4C124GXL development boards, software tools, and interfacing to a proto-board.

**Description:** Example 2.2 (pg. 116) in *Real-Time Interfacing to ARM Cortex-M Microcontrollers* gives code and a circuit for flashing 4 LED’s in a specific pattern. Example 2.3 (pg. 119) provides code and a circuit for reading a pushbutton switch. You are to combine these circuits and code to produce code and wiring that will flash the 4 LED’s when the switch is depressed.

Your instructor has place code from the textbook side on lms.dwc.edu for your considered use. He will also supply you with 4 LED’s, a switch, and some resistors.

**Reporting Requirements:** Demonstrate your code and board to your instructor. Place the C code in a Word or OpenOffice document, along with your name, class name, assignment number, and upload it to the course site on lms.dwc.edu.