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//*****
//  Frst Example for MSP430 LaunchPad Blink LED
//
//  Description: Toggles P1.0 by xor'ing P1.0 inside of a software loop. This
//               example demonstrates the ease of starting a MSP430 project
//               that interacts with the outside via GPIO pins.
//
//               MSP430G2553
//               -----
//               /|\|          XIN|-
//               | |          |
//               --|RST        XOUT|-
//               |          |
//               |          P1.0|-->LED
//
//
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//*****

#include <msp430g2553.h>

void main(void) {
    WDTCTL = WDTPW + WDTHOLD;  // disable watchdog

    P1OUT = 0;                  // initialize LED off
    P1DIR = BIT0;               // P1.0 output

    while (1) {
        P1OUT ^= BIT0;          // Toggle LED on P1.0
        __delay_cycles(100000); // Wait ~100ms at default DCO of ~1MHz
                                // 100ms = 0.1s = 10^-6 (s) * 10^5 (delay_counts)
    }
} // main

```