

```

#include <P18F4550.h>

void delay_timer() {
    TOCON = 0x08;    // Timer 0, 16-bit mode, no prescaler
    TMR0H = 0xFB;    // Values calculated for 0.1 ms delay
    TMR0L = 0x50;
    TOCONbits.TMR0ON = 1; // Timer 0 On
    while (INTCONbits.TMR0IF == 0); // Wait until TMR0IF gets flagged
    TOCONbits.TMR0ON = 0; // Timer 0 Off
    INTCONbits.TMR0IF = 0; // Clear Timer 0 interrupt flag
}

void main() {
    TRISCbits.TRISC0 = 0; // Configure RC0 as output
    while (1) {
        PORTCbits.RC0 = 1; // Set RC0 high
        delay_timer();
        PORTCbits.RC0 = 0; // Set RC0 low
        delay_timer();
    }
}

```