

```
/* **** */
* File: Pulsador.c
* Author: Malakabot
* Description: Enciende LED_RED (PIN_C6) al pulsar BUTTON (PIN_C0)
* Hardware: PIC18F2550, Cristal 20Mhz, MKBot v.3
* Created: 10 marzo 2016
/* **** */
```

```
#include <xc.h>
#pragma config PLLDIV = 5
#pragma config CPUDIV = OSC1_PLL2
#pragma config FOSC = HSPLL_HS
#pragma config LVP = OFF
#define _XTAL_FREQ 48000000
```

```
#define LED_RED LATCbits.LATC6
#define BUTTON PORTCbits.RC0
```

```
void main() {
    ADCON1=0x0F; // Todos los puertos del PIC digitales
    TRISbits.TRISC0=1; // PIN_C0 entrada (BUTTON)
    TRISbits.TRISC6=0; // PIN_C6 salida (LED_RED)

    while(1){
        if (BUTTON==0)
        {
            LED_RED = 1;
        } else
        {
            LED_RED = 0;
        }
    }
}
```