/\* File: flashled.c

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\* Turns LED1 (RB2 pin 23) on for 1 sec off for 1 sec

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#include <xc.h>

#include <stdio.h>

#include <stdlib.h>

#pragma config OSC = HS //High speed resonator

#pragma config WDT = OFF //Watchdog timer off

#pragma config LVP = OFF //Low voltage programming disabled

#pragma config PWRT = ON //Power up timer on

#define \_XTAL\_FREQ 10000000 // define clock frequency for \_\_delay\_10ms()

#define LED1 LATBbits.LATB2 //LED1

#define LED2 LATBbits.LATB3 //LED1

#define LED3 LATBbits.LATB4 //LED1

#define LED4 LATBbits.LATB5 //LED1

void wait10ms(int del); //generates a delay in multiples of 10ms

int main(void)

{

TRISB=0b11000000; //configure Port B, RB0 to RB5 as outputs

LATB=0; //turn all LEDs off

int i;

for(i=0;i<3;i++){

LED1=1; //turn LED1 on

LED2=1; //turn LED1 on

LED3=1; //turn LED1 on

LED4=1; //turn LED1 on

wait10ms(50); //wait 1 second

LED1=0; //turn LED1 off

LED2=0; //turn LED1 off

LED3=0; //turn LED1 off

LED4=0; //turn LED1 off

wait10ms(50); //wait 1 second

}

while(1)

{}

}

void wait10ms(int del){ //delay function

unsigned char c;

for(c=0;c<del;c++)

\_\_delay\_ms(10);

return;

}