

```

/*****
// Project:    Lab 2
//
// Name:      Quang Nguyen
// Date:      1/24/2013
//
// Function:
//      Turn on RA0-7 for 0.5 s and then off for 0.5 s
//
// Pins used:  Lower Byte of port A
//
// Comments
//      This code was written with macro
//
*****/

/***** Library includes *****/
#include <p33FJ256GP710A.h>
#define FCY 16000000          // Constant needed for the libpic30.h library
#include <libpic30.h>         // library for the delay function

/***** Constants Declaration *****/
#pragma config FWDTEN = OFF

/***** Function Prototype *****/
void initialize();

/***** Main Program *****/
int main() {
    // setting up everything
    initialize();

    /***** Main Loop *****/
    while (1)
    {
        PORTA = 0xFF;
        __delay32(8000000);          // Delay for 256 instructions
        PORTA = 0;                   // Turn port off
        __delay32(8000000);          // Delay for 256 instructions
    }

    return 1;
}

/***** Setup function *****/
void initialize()
{
    // Setting up PORT A
    AD1PCFGH = 0xFF;                // Turn of ADC for Module 1
    TRISA = 0x00;                   // Port A to output
}

```