

```

/*****/
// Project:    Lab 2
//
// Name:      Quang Nguyen
// Date:      1/24/2013
//
// Function:
//      Turn on RA0-7 for 256 instructions and then off for 256
instructions
//
// 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  
}
```