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/*****/
// 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
    }
}

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        return 1;
    }

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