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1  /*
2   * File:   main.c
3   * Author: Indrajith N S
4   * Description: Blinking Multiple LEDs
5   * Created on 19 February, 2025, 10:17 PM
6   */
7
8
9  #include <xc.h>
10 #define _XTAL_FREQ 20000000 // 20MHz Clk Frequency
11 #pragma config WDTE = OFF
12
13 void init_config(void) {
14     //Do initialization
15     TRISD = 0x00; // Making all Port D as Output
16 }
17
18 void main(void) {
19     init_config();
20     while (1) {
21         //Application here
22         PORTD = 0x02; // 0000 0010 Making RD7 Low Condition and RD1 High Condition
23         __delay_ms(3000); //Delay of 3 sec
24
25         PORTD = 0x80; // 1000 0000 Making RD7 High Condition and RD1 Low Condition
26         __delay_ms(3000); //Delay of 3 sec
27
28         PORTD = 0x82; // 1000 0010 Making RD7 High Condition and RD1 High Condition
29         __delay_ms(3000); //Delay of 3 sec
30
31         PORTD = 0x00; // 0000 0000 Making RD7 Low Condition and RD1 Low Condition
32         __delay_ms(3000); //Delay of 3 sec
33     }
34     return;
35 }
36

```