

Lab 10

Task1

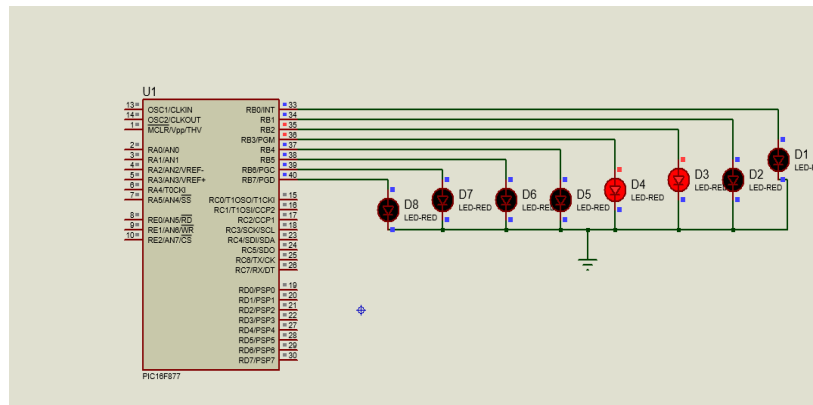
```
#include <xc.h>
#define _XTAL_FREQ 4000000

void main(void)
{
    TRISB = 0x00;
    PORTB = 0x00;

    unsigned char num1 = 0x05;
    unsigned char num2 = 0x07;

    unsigned char sum = 0x00;

    sum = num1 + num2;
    PORTB = sum;
    while(1);
}
```



Task 2

```
#include <xc.h>
#define _XTAL_FREQ 4000000

void main(void)
{
    ADCON1 = 0x07;
    TRISA = 0xFF;
    TRISB = 0x00;
    PORTB = 0x00;

    unsigned char count = 0;

    while(1){
        if(RA0==1){
            count++;
            PORTB = count;
            __delay_ms(300);
        }
        if(RA1 ==1){
            count--;
            PORTB = count;
            __delay_ms(300);
        }
    }
}
```

