

Below is the sample code to blink the LEDs with a **100ms** delay.

```
char value = 0;
#define SBIT_PS1  5
#define SBIT_PS0  4

void interrupt()
{
    if(TMR1IF==1)
    {
        value=~value;    // complement the value for blinking the LEDs
        TMR1H=0x0B;      // Load the time value(0xBDC) for 100ms delay
        TMR1L=0xDC;
        TMR1IF=0;        // Clear timer interrupt flag
    }
}

void main()
{
    TRISD=0x00;    //Configure PORTD as output to blink the LEDs

    T1CON = (1<<SBIT_PS1) | (1<<SBIT_PS0); // Timer0 with external
freq and 8 as prescalar
    TMR1H=0x0B;    // Load the time value(0xBDC) for 100ms delay
    TMR1L=0xDC;
    TMR1IE=1;      //Enable timer interrupt bit in PIE1 register
    GIE=1;         //Enable Global Interrupt
    PEIE=1;        //Enable the Peripheral Interrupt
    TMR1ON = 1;    //Start Timer1

    while(1)
    {
        PORTD = value;
    }
}
```