

```

char portValue = 0;

void interrupt()
{
    if(INTCON.TMR0IF == 1)
    {
        INTCON.TMR0IF = 0;
        portValue = ~portValue;
        TMR0 = 101;
    }
}

void main() {

    TRISD = 0X00;
    PORTD = 0X00;

    OPTION_REG = 0B00000100;
    TMR0 = 100;
    INTCON.TMR0IE = 1;
    INTCON.GIE = 1;
    INTCON.PEIE = 1;

    while(1)
    {
        portd = portValue;
    }

}

```