

DEVELOPMENT OF APPLICATION PROGRAMS AND INTERFACING:

LED

Program:

```
#include<pic.h>

#define _XTAL_FREQ
2000000

void main()

{

    TRISB7 = 0;

    while(1)

    {

        RB7 =1;

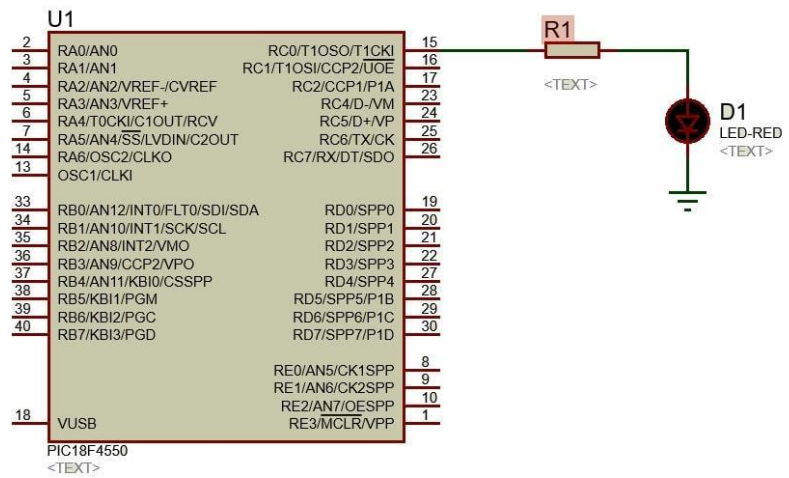
        __delay_1000ms();

        RB7 =0;

        __delay_1000ms();

    }//while

}
```



Stepper motor

Program:

```

#include <htc.h>

__CONFIG(0X3F3A);

#define _XTAL_FREQ
1000000

#define stepper
PORTD

#define tstepper TRISD

void interrupt
speed_isr()
{
}

void main()
{
tstepper=0;
INTCON=0b11010000;
while(1)
{
stepper=0x01;
__delay_ms(100);
stepper=0x02;
__delay_ms(100);
stepper=0x04;
__delay_ms(100);
stepper=0x08;
__delay_ms(100);
}
}

```

