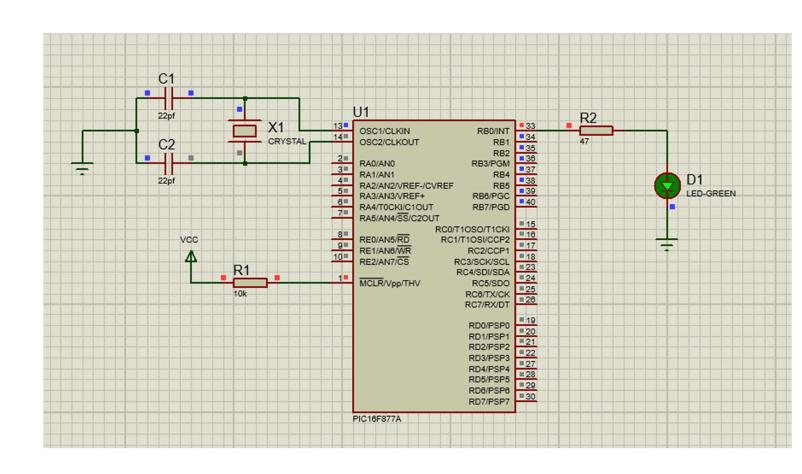
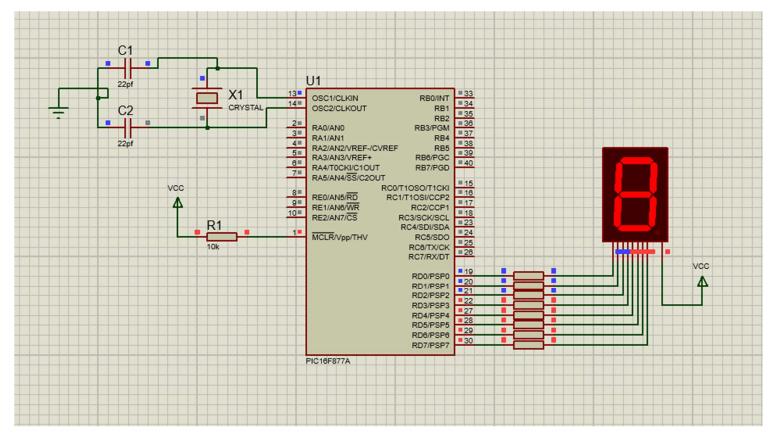
```
void main() {
    TRISB=0x00;
    PORTB=0x00;
    while(1)
    {
        portb.f0=0xff;
        delay_ms(1000);
        portb.f0=0x00;
        delay_ms(1000);
    }
}
```

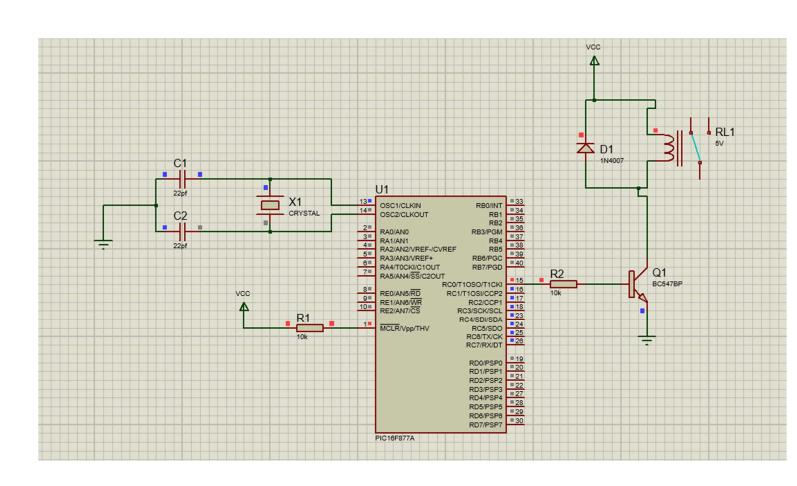


```
int index = 0;
char array[] = {0xC0, 0xF9, 0xA4, 0xB0, 0x99, 0x92, 0x82, 0xF8, 0x89, 0x90};
void main() {
   TRISD = 0x00;
   PORTD = 0xff;

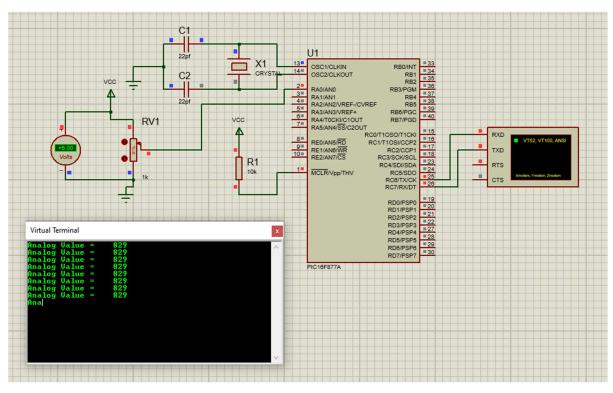
   while(1) {
    PORTD = array[index];
    delay_ms(1000);
   index = (index + 1) % 10;
}
```



```
void main() {
    TRISC=0x00;
    portc=0x00;
    while(1)
    {
        portc.f0=1;
        delay_ms(1000);
        portc.f0=0;
        delay_ms(1000);
    }
}
```



Program: int valADC; char x[6]; void main() { UART1_Init(9600); ADC_Init(); while(1) { valADC = ADC_Read(0); intToStr(valADC, x); UART1_Write_Text("Analog Value = "); UART1_Write_Text(x); UART1_Write(13); UART1_Write(10); Delay_ms(1000); }

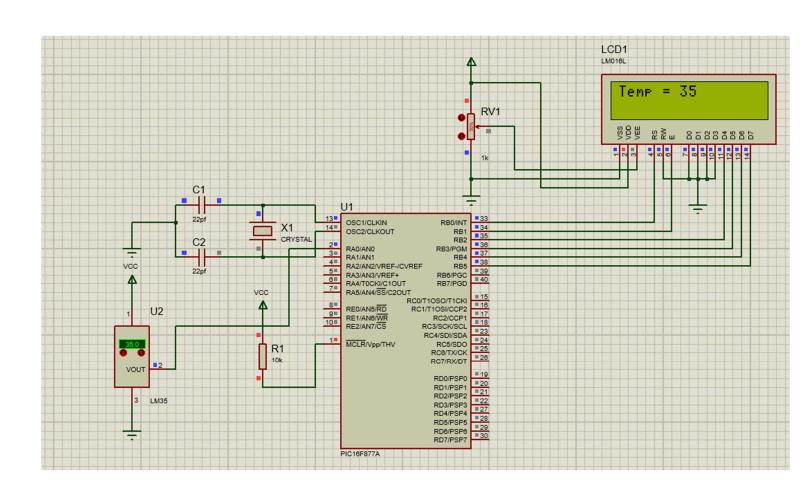


```
Program:
```

```
sbit LCD RS at RB0 bit;
sbit LCD EN at RB1 bit;
sbit LCD D4 at RB2 bit;
sbit LCD D5 at RB3 bit;
sbit LCD D6 at RB4 bit;
sbit LCD D7 at RB5 bit;
sbit LCD RS Direction at TRISB0 bit;
sbit LCD EN Direction at TRISB1 bit;
sbit LCD D4 Direction at TRISB2 bit;
sbit LCD D5 Direction at TRISB3 bit;
sbit LCD_D6_Direction at TRISB4_bit;
sbit LCD D7 Direction at TRISB5 bit;
char display[16]="";
void main() {
  int result;
  int volt, temp;
  TRISA=0xff;
  lcd init();
  lcd cmd( lcd clear);
  lcd cmd( lcd cursor off);
  while(1)
     result = adc read(0);
```

```
volt = result*4.88;
temp= volt/10;

lcd_out(1,1, "Temp = ");
floattostr(temp,display);
lcd_out_cp(display);
}
```



```
Program:
void main() {
  short duty = 0;
  TRISB = 0x00;
  TRISD = 0xFF;
  PORTB = 0x00;
  PORTB.F0 = 1;
  PORTB.F1 = 0;
  PWM1_Init(5000);
  PWM1 Start();
  PWM1_Set_Duty(duty);
  while (1) {
    if (PORTD.F1 == 1 && duty < 250) {
      Delay_ms(100);
      if (PORTD.F1 == 1 && duty < 250) {
        duty += 10;
        PWM1 Set Duty(duty);
      }
    }
```

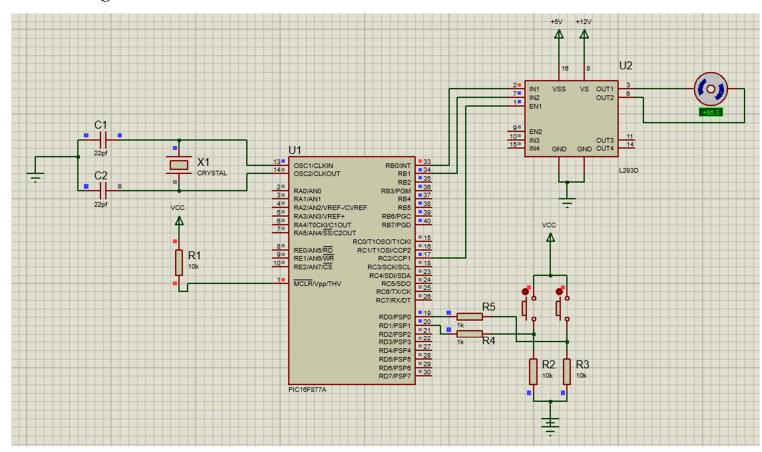
```
if (PORTD.F0 == 1 && duty > 0) {

Delay_ms(100);

if (PORTD.F0 == 1 && duty > 0) {

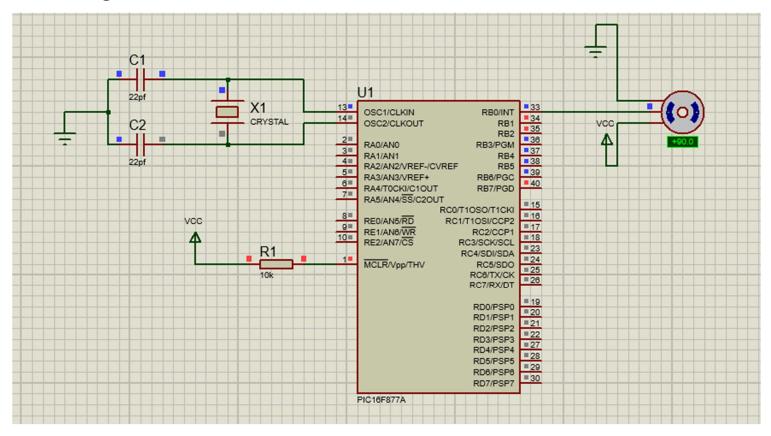
duty -= 10;
```

```
PWM1_Set_Duty(duty);
}
}
}
```



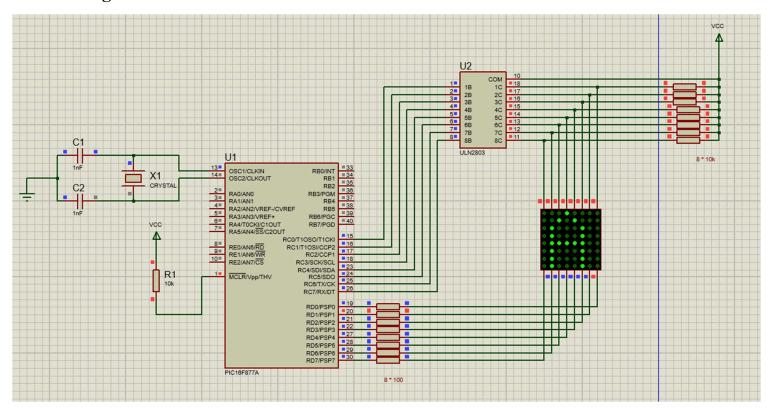
```
void rotation_0() {
  unsigned int i;
  for(i = 0; i < 50; i++) {
     portb.f0 = 1;
    delay_us(800);
     portb.f0 = 0;
    delay_us(19200);
void rotation_90() {
  unsigned int i;
  for(i = 0; i < 50; i++) {
     portb.f0 = 1;
     delay_us(1500);
     portb.f0 = 0;
     delay us(18500);
void rotation_180() {
  unsigned int i;
  for(i = 0; i < 50; i++) {
     portb.f0 = 1;
     delay us(2200);
     portb.f0 = 0;
     delay_us(17800);
  }
void main() {
```

```
TRISB = 0x00;
while(1) {
  rotation_0();
  delay_ms(2000);
  rotation_90();
  delay_ms(2000);
  rotation_180();
  delay_ms(2000);
}
```



```
void MSDelay( unsigned int time)
{
  unsigned int y,z;
  for(y=0; y<time; y++)
     for(z=0; z<20;z++);
}
void main() {
    TRISC=0x00;
    TRISD=0x00;
    while(1)
    {
       portd=0b10000000;
       portc=0b00000000;
       MSDelay(10);
       portd=0b01000000;
       portc=0b00111111;
       MSDelay(10);
       portd=0b00100000;
       portc=0b01001000;
       MSDelay(10);
       portd=0b00010000;
       portc=0b10001000;
       MSDelay(10);
       portd=0b00001000;
```

```
portc=0b01001000;
MSDelay(10);
portd=0b00000100;
portc=0b00111111;
MSDelay(10);
portd=0b000000010;
portc=0b000000000;
MSDelay(10);
portd=0b000000001;
portc=0b000000000;
MSDelay(10);
```



```
void main()
{
  TRISD = 0x00;
  PORTD = 0x00;
  while(1)
    PORTD = 0b00001001;
    Delay ms(500);
    PORTD = 0b00001100;
    Delay ms(500);
    PORTD = 0b00000110;
    Delay_ms(500);
    PORTD = 0b00000011;
    Delay_ms(500);
```

