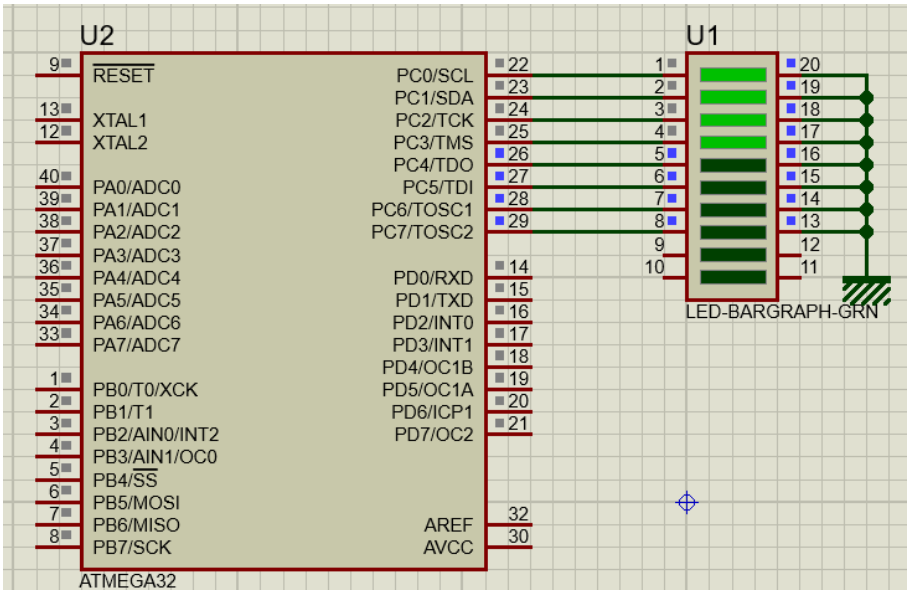
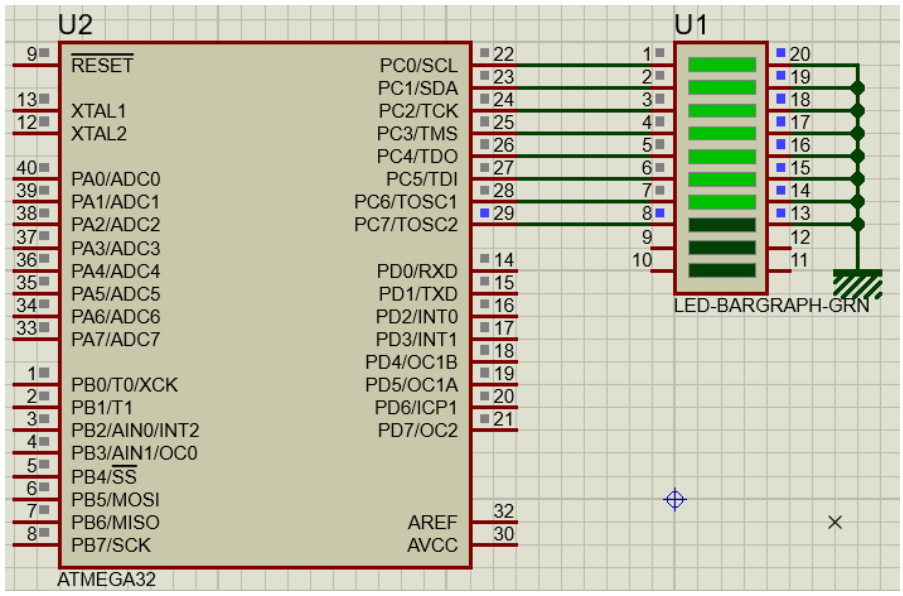
متین گلپایگانی

۹۸۲۴۰۷۳

آزمایش ۱

سوال ۵





```
{
int i;

// Port C initialization
// Function: Bit7=Out Bit6=Out Bit5=Out Bit4=Out Bit3=Out Bit2=Out Bit1=Out Bit0=Out
DDRC=(1<<DDC7) | (1<<DDC6) | (1<<DDC5) | (1<<DDC4) | (1<<DDC3) | (1<<DDC2) | (1<<DDC1) | (1<<DDC0);
// State: Bit7=0 Bit6=0 Bit5=0 Bit4=0 Bit3=0 Bit2=0 Bit1=0 Bit0=0
PORTC=(0<<PORTC7) | (0<<PORTC6) | (0<<PORTC5) | (0<<PORTC4) | (0<<PORTC3) | (0<<PORTC2) | (0<<PORTC1) | (0<<PORTC0);

PORTC = 0;

while (1)
      {
      for(i=0;i<8;i++){
        PORTC = PINC | (1<<i);
        delay_ms(500);
      }
      for(i=7;i>=0;i--){
        PORTC = PINC & ~(1<<i);
        delay_ms(500);
      }
      }
}
```