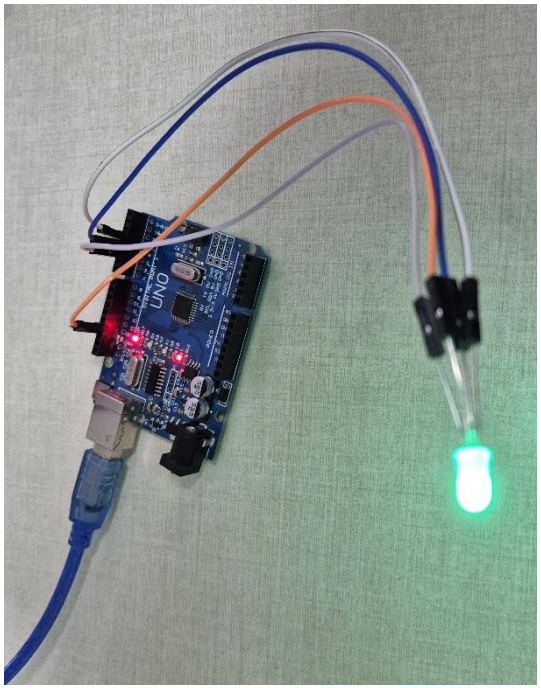
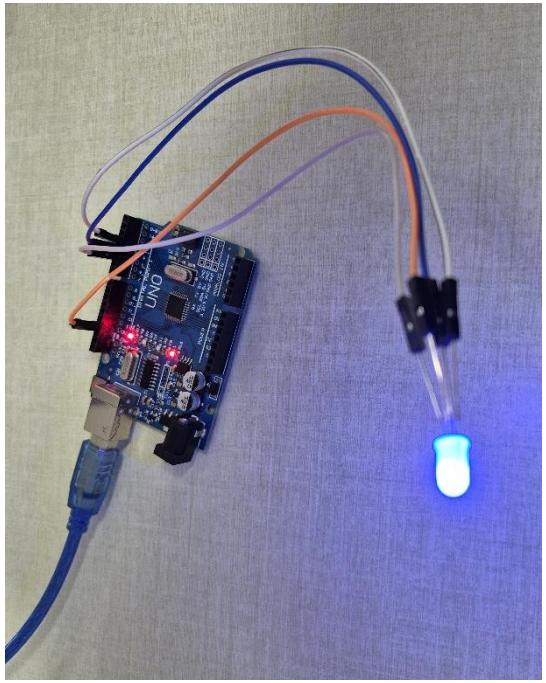
RGB_LED.ino

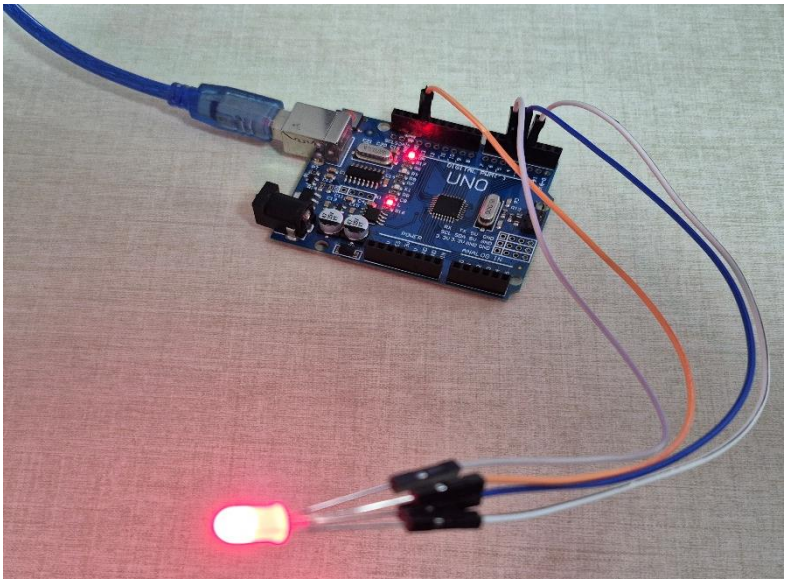
```
#define LED1RED 5
#define LED1BLUE 3
#define LED1GREEN 4
void setup() {
  pinMode(LED1RED, OUTPUT);
  pinMode(LED1BLUE, OUTPUT);
  pinMode(LED1GREEN, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  digitalWrite(LED1RED, HIGH);
  Serial.println("LED1RED");
  delay(1000);
  digitalWrite(LED1RED, LOW);
  Serial.println("LED1RED");
  delay(1000);

  digitalWrite(LED1BLUE, HIGH);
  Serial.println("LED1BLUE");
  delay(1000);
  digitalWrite(LED1BLUE, LOW);
  Serial.println("LED1BLUE");
  delay(1000);

  digitalWrite(LED1GREEN, HIGH);
  Serial.println("LED1GREEN");
  delay(1000);
  digitalWrite(LED1GREEN, LOW);
  Serial.println("LED1GREEN");
  delay(1000);
}
```

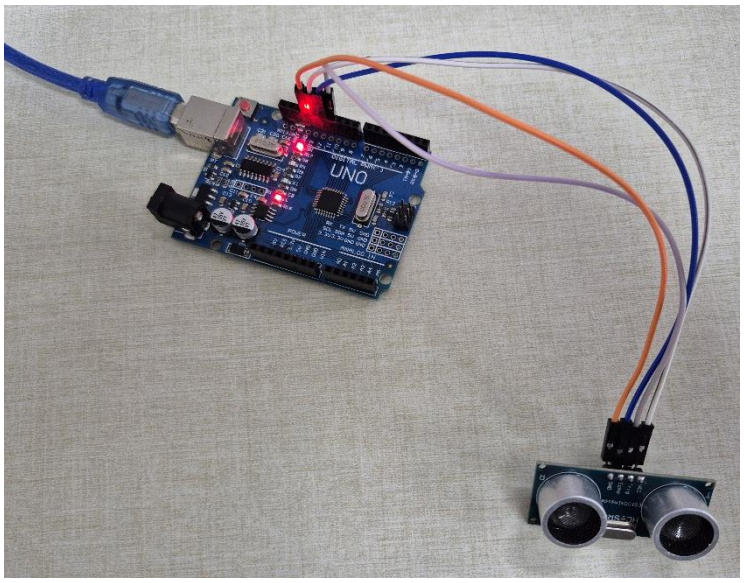
ULTRASONIC_SENSOR.ino

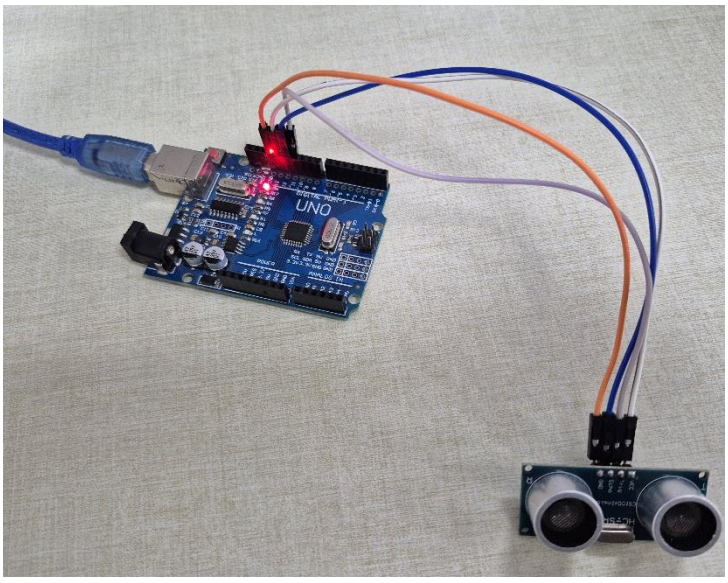
```
#define trigPin 11
#define echoPin 12
#define ledPin 13
void setup() {
  Serial.begin(9600);
  pinMode(trigPin,OUTPUT);
  pinMode(echoPin, INPUT);
  pinMode(ledPin,OUTPUT);
}
void loop() {
  long duration, distance;
  digitalWrite(trigPin, LOW);
  delayMicroseconds(2);
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);
  duration = pulseIn(echoPin,HIGH);
  distance = (duration/2) / 29.1;
  if(distance<10)
  {
    digitalWrite(ledPin,HIGH);
  }
  else
  {
    digitalWrite(ledPin, LOW);
  }
  Serial.print("distance ");
  Serial.print(distance);
  Serial.println(" cm");
  delay(1000);
}
```











```
16:40:04.119 -> 0cm
16:40:04.638 -> 5cm
16:40:05.153 -> 3cm
16:40:05.653 -> 4cm
16:40:06.144 -> 2cm
16:40:06.686 -> 805cm
16:40:07.869 -> 0cm
16:40:08.446 -> 805cm
```