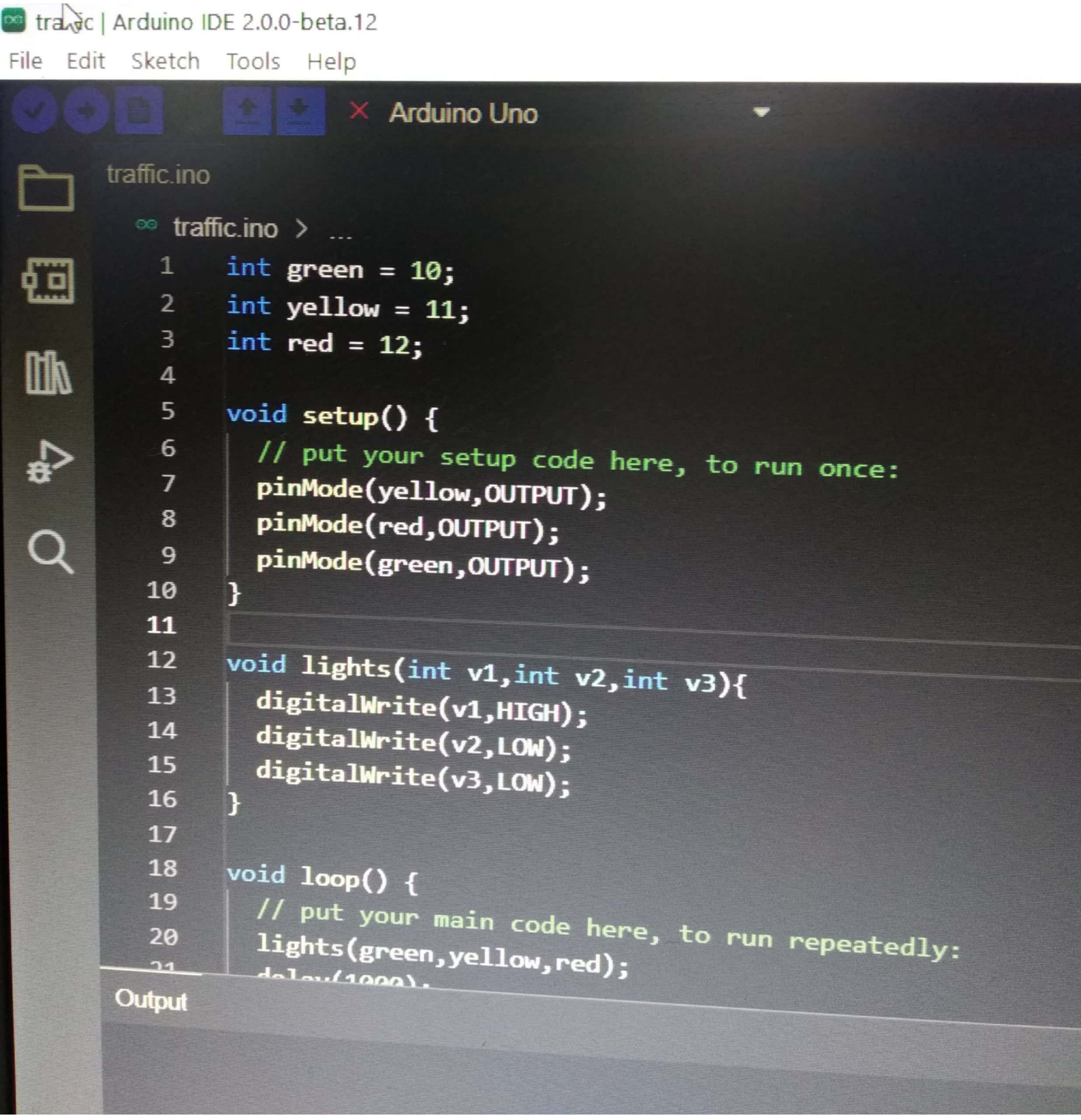


traffic | Arduino IDE 2.0.0-beta.12

File Edit Sketch Tools Help

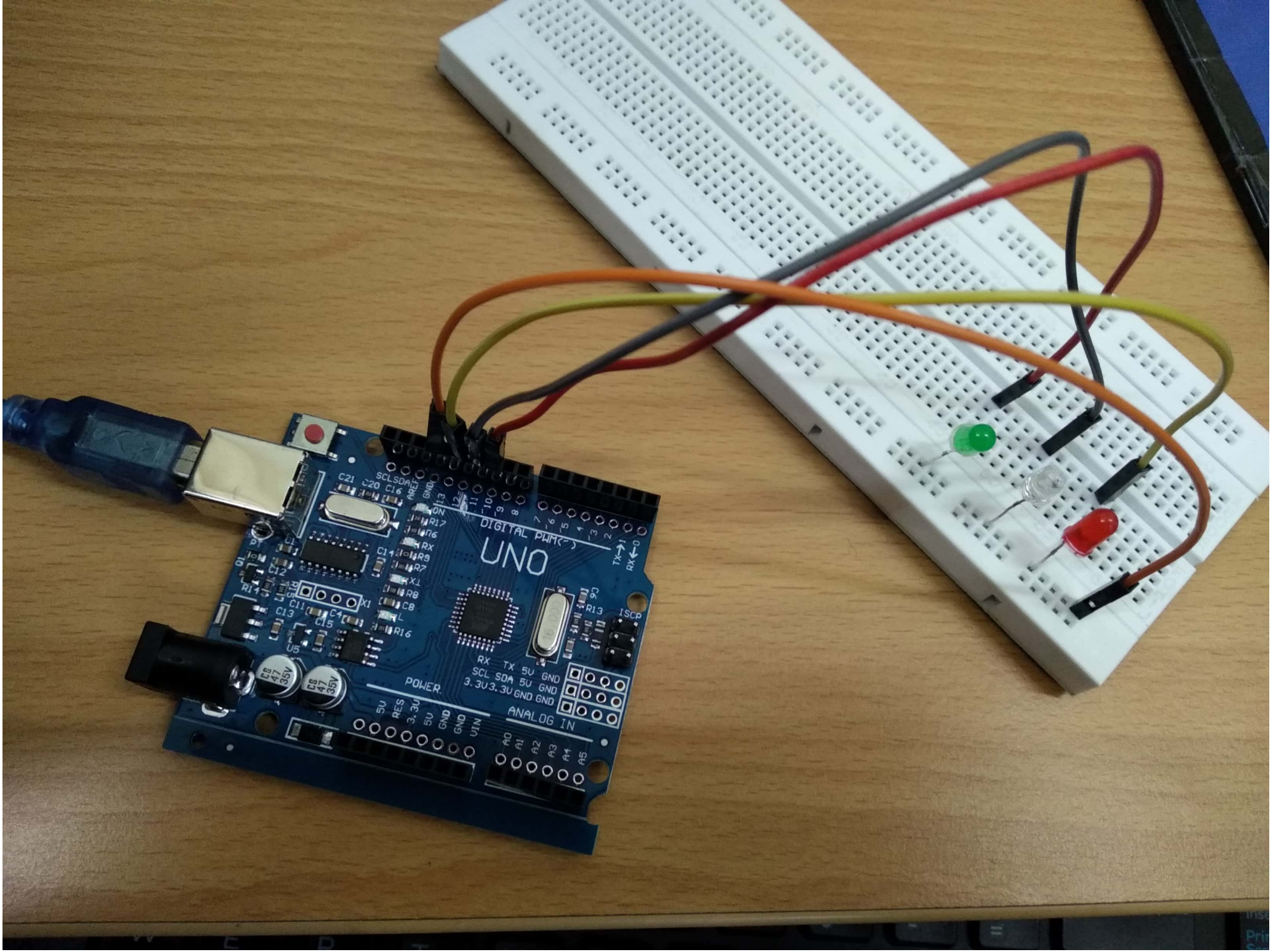
Arduino Uno

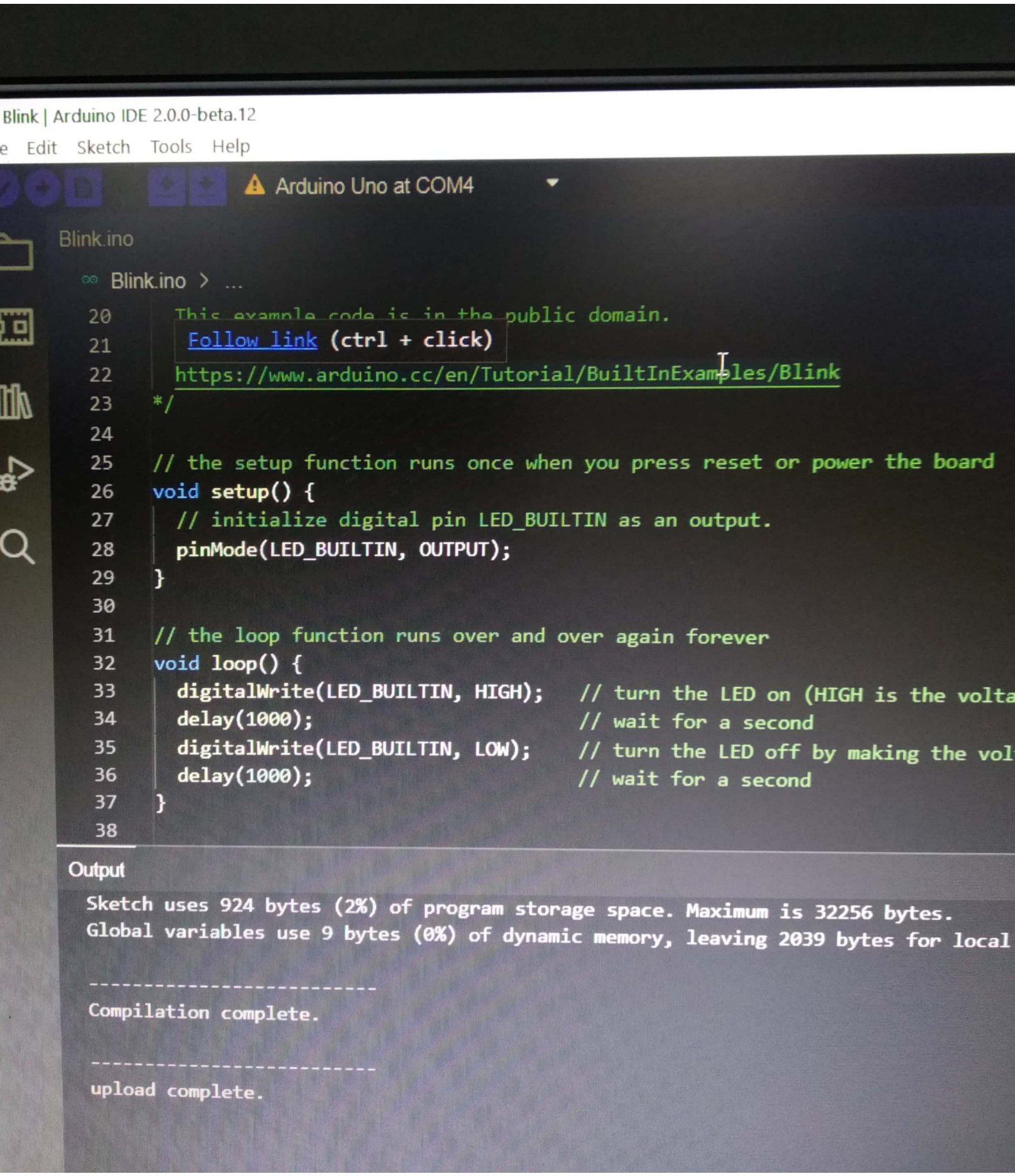
traffic.ino

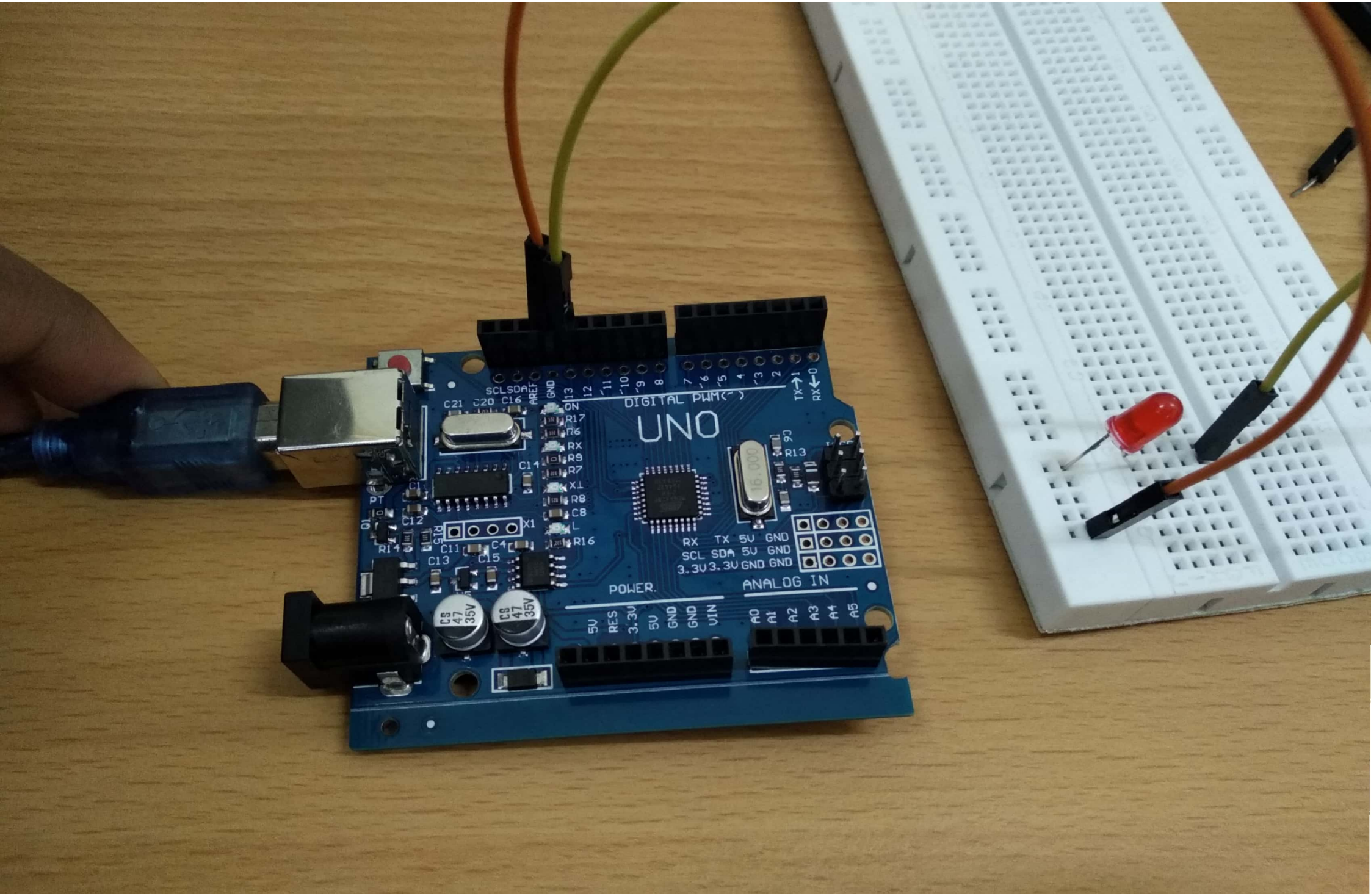
traffic.ino > ...

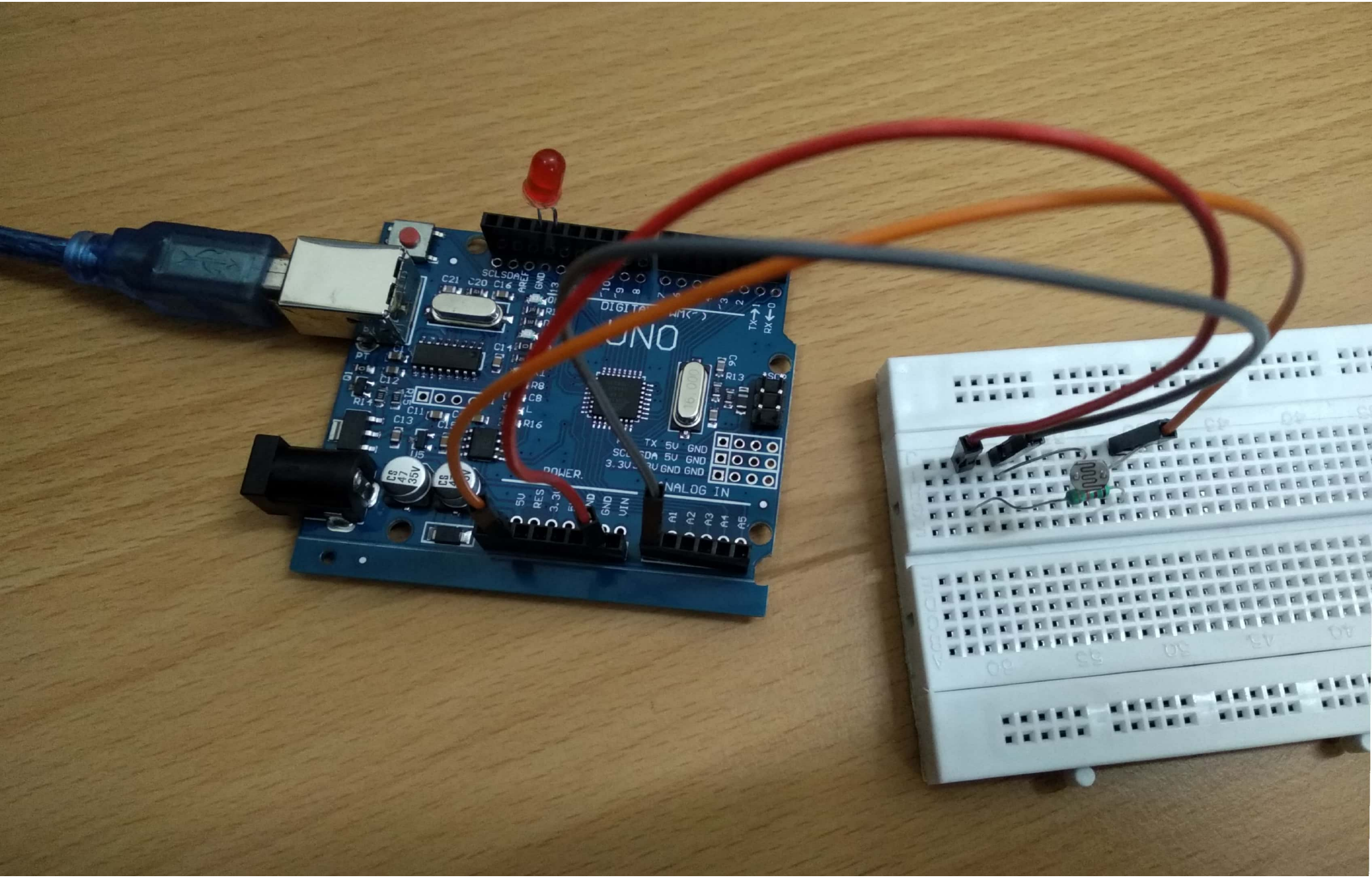
```
8     pinMode(red,OUTPUT);
9     pinMode(green,OUTPUT);
10  }
11
12  void lights(int v1,int v2,int v3){
13    digitalWrite(v1,HIGH);
14    digitalWrite(v2,LOW);
15    digitalWrite(v3,LOW);
16  }
17
18  void loop() {
19    // put your main code here, to run repeatedly:
20    lights(green,yellow,red);
21    delay(1000);
22    lights(yellow,green,red);
23    delay(1000);
24    lights(red,green,yellow);
25    delay(1000);
26  }
27
```

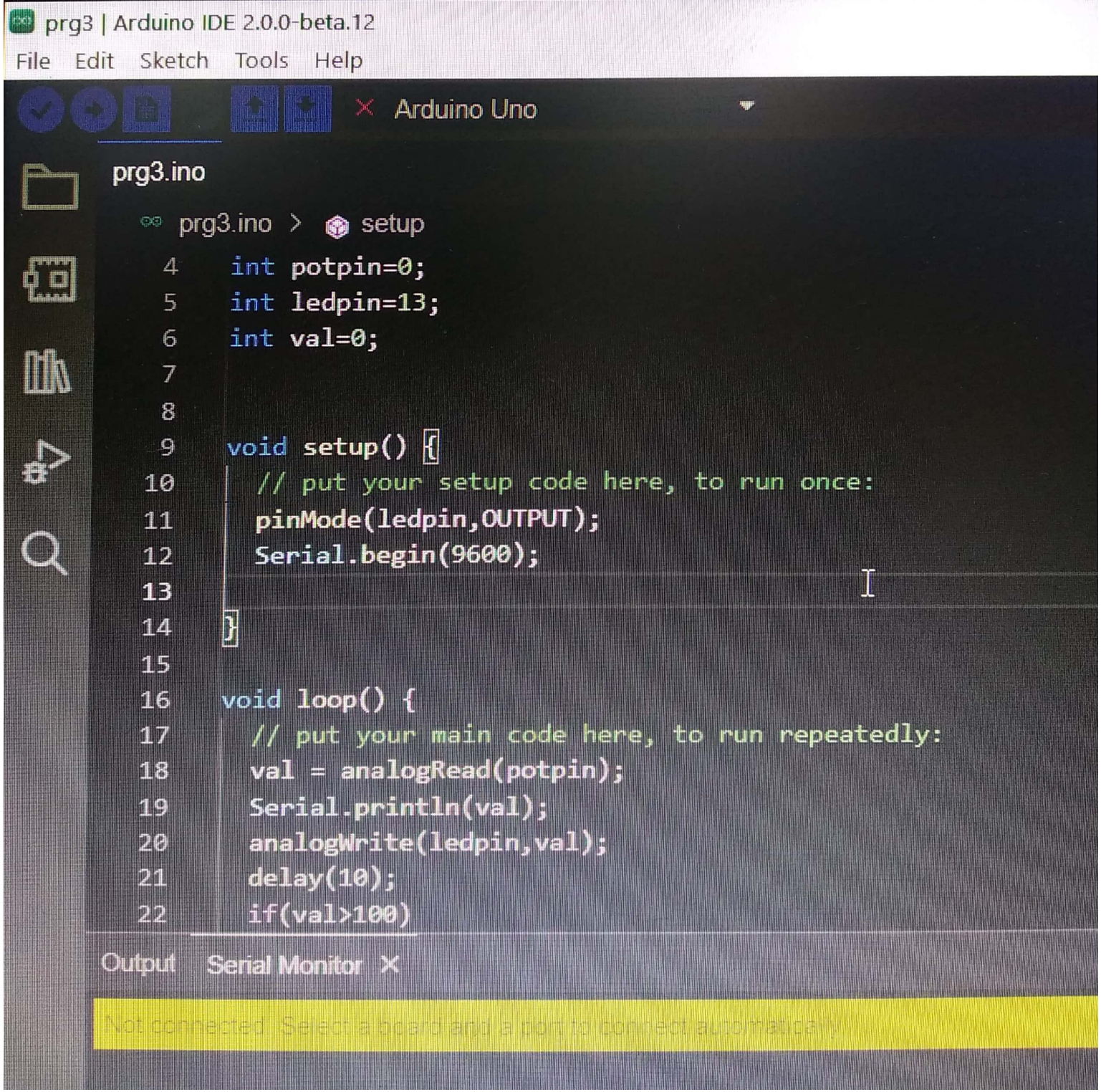
Output

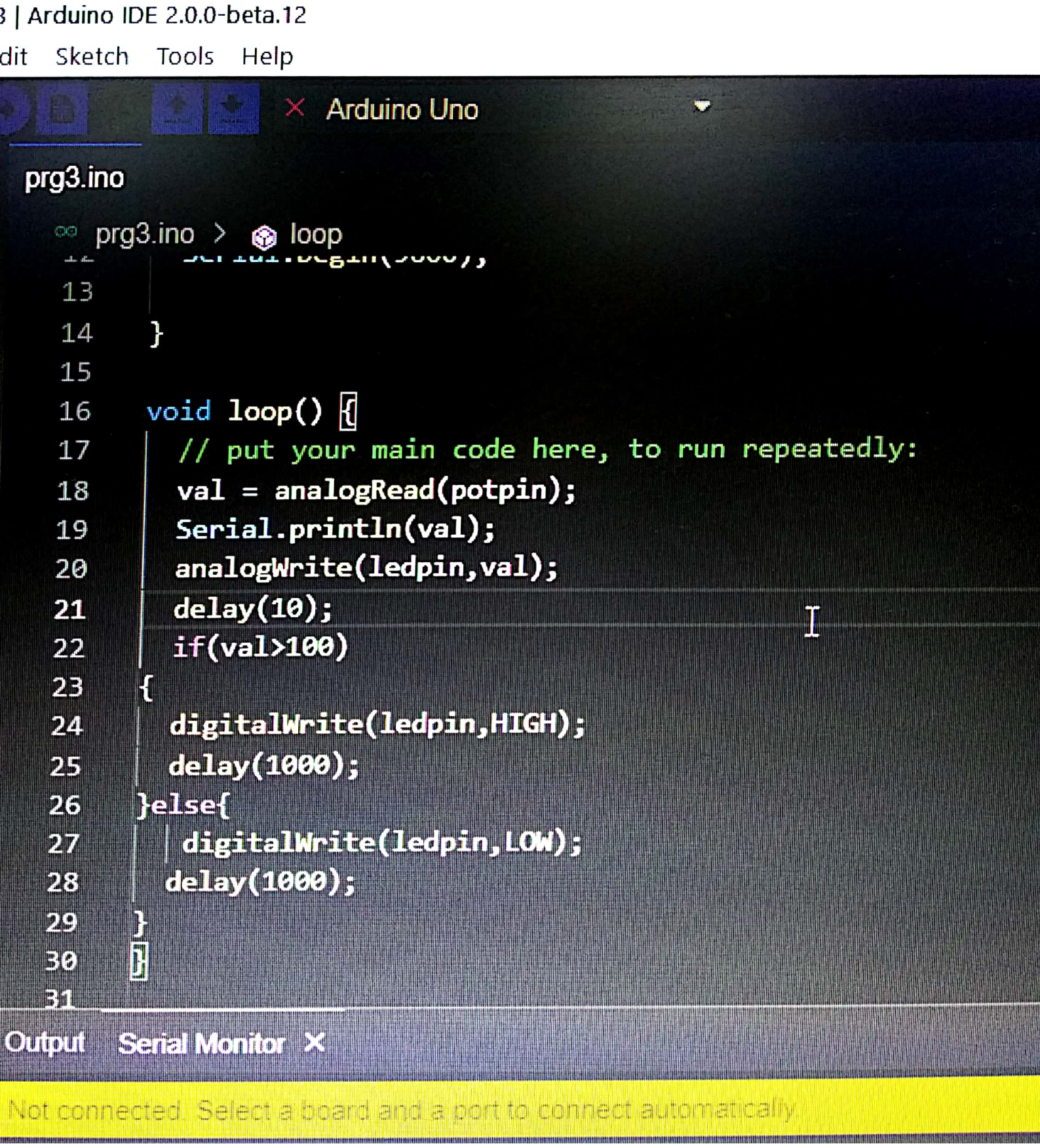












Button | Arduino IDE 2.0.0-beta.12

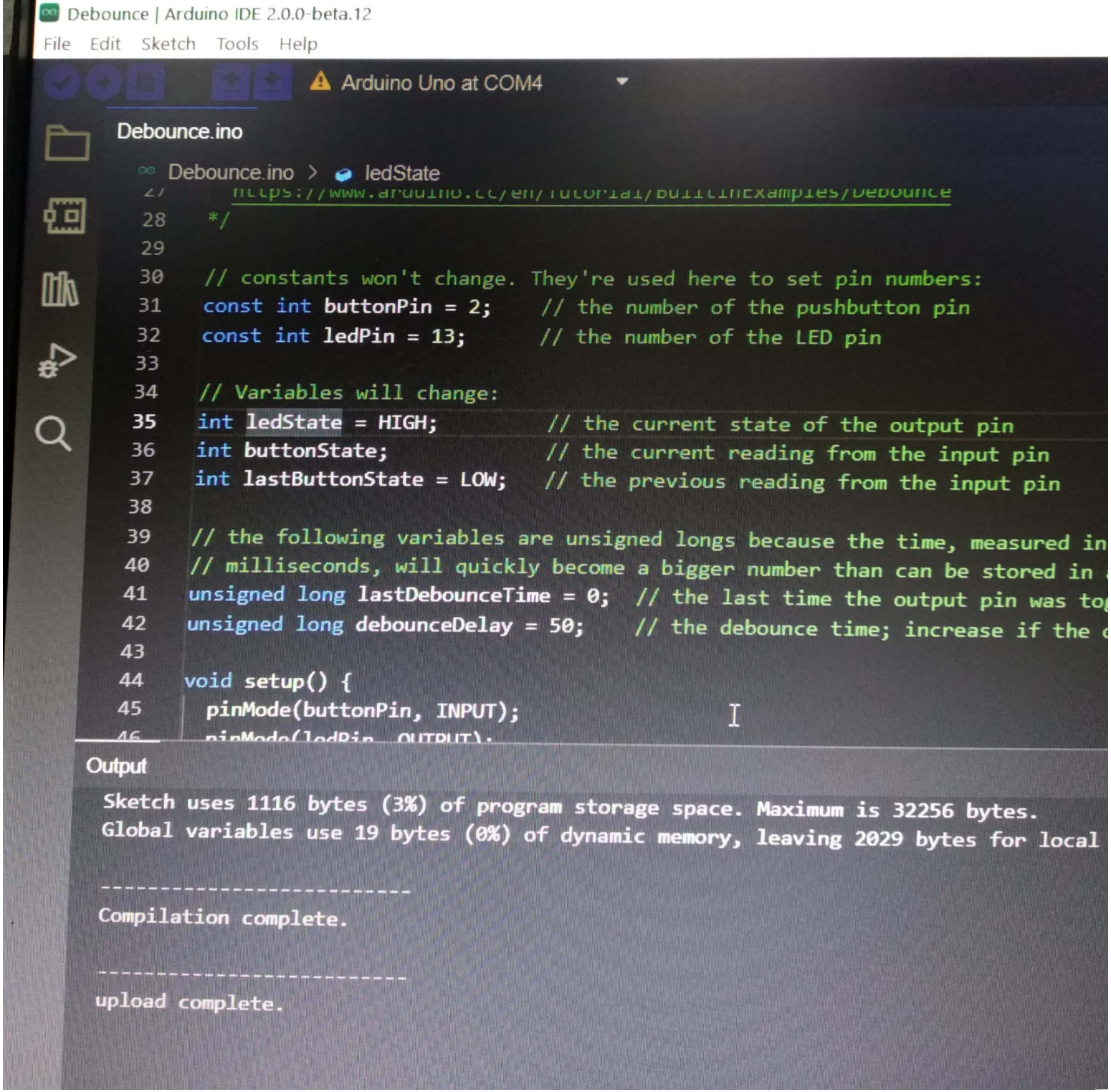
File Edit Sketch Tools Help

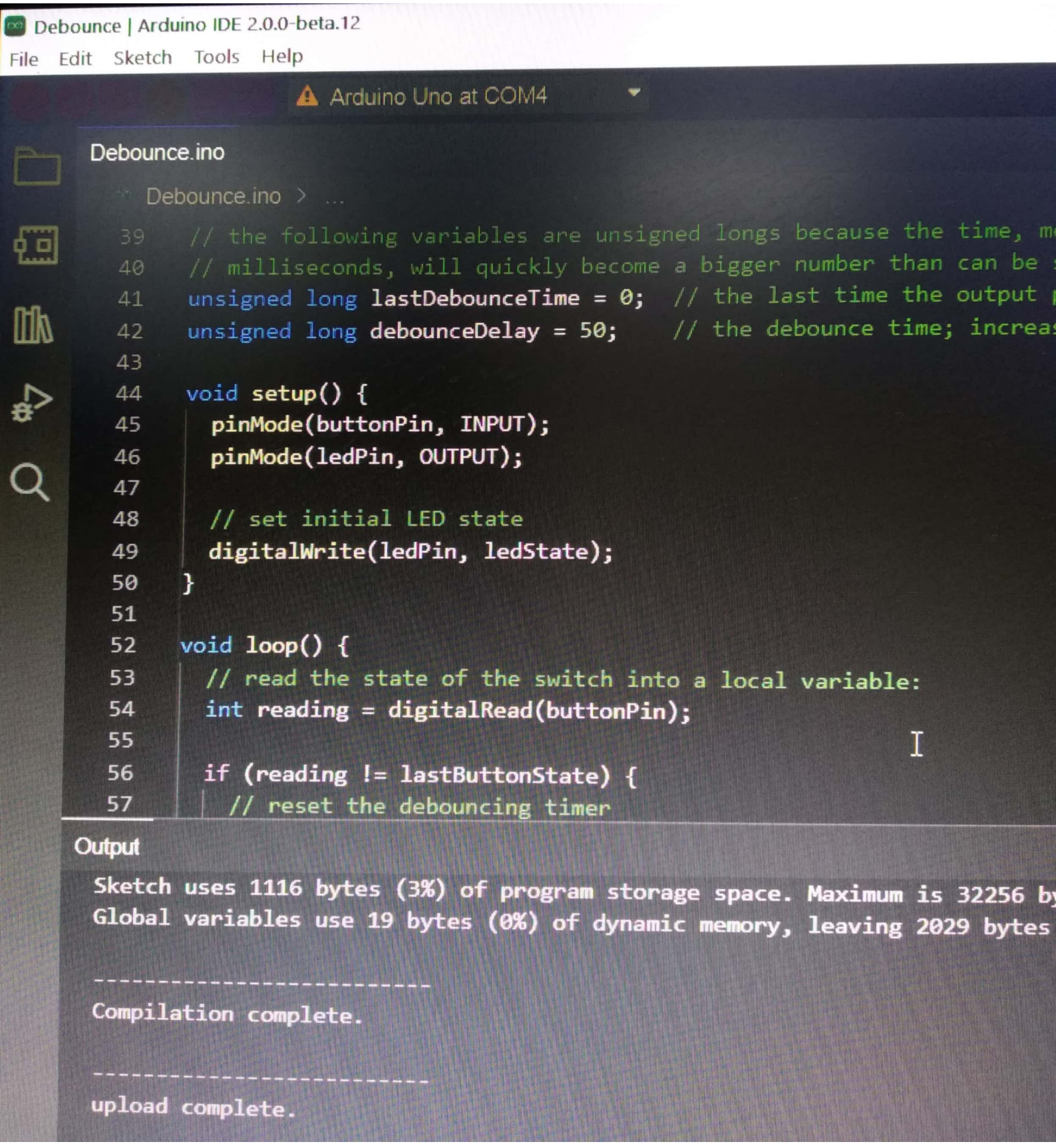
Arduino Uno

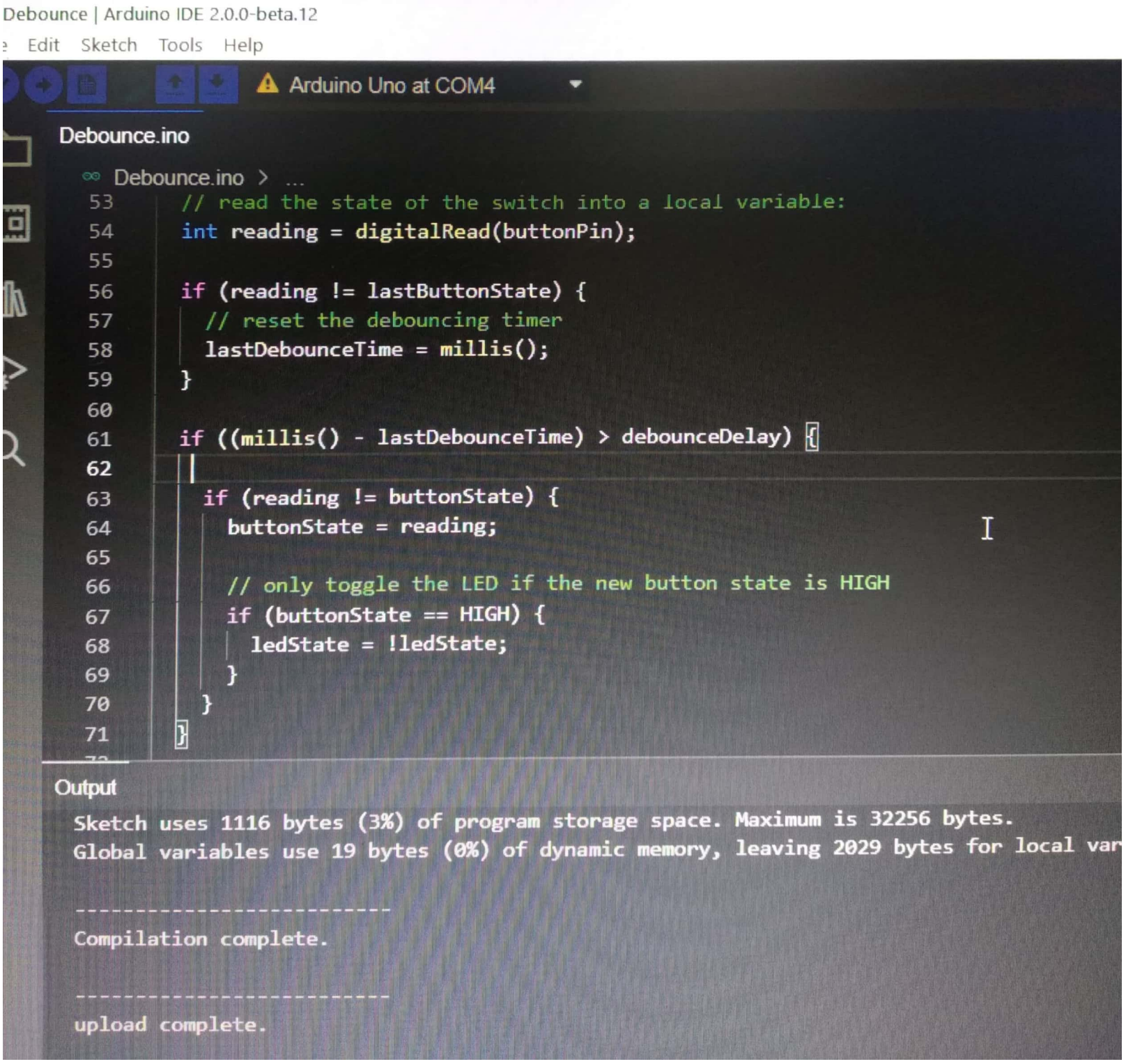
Button.ino

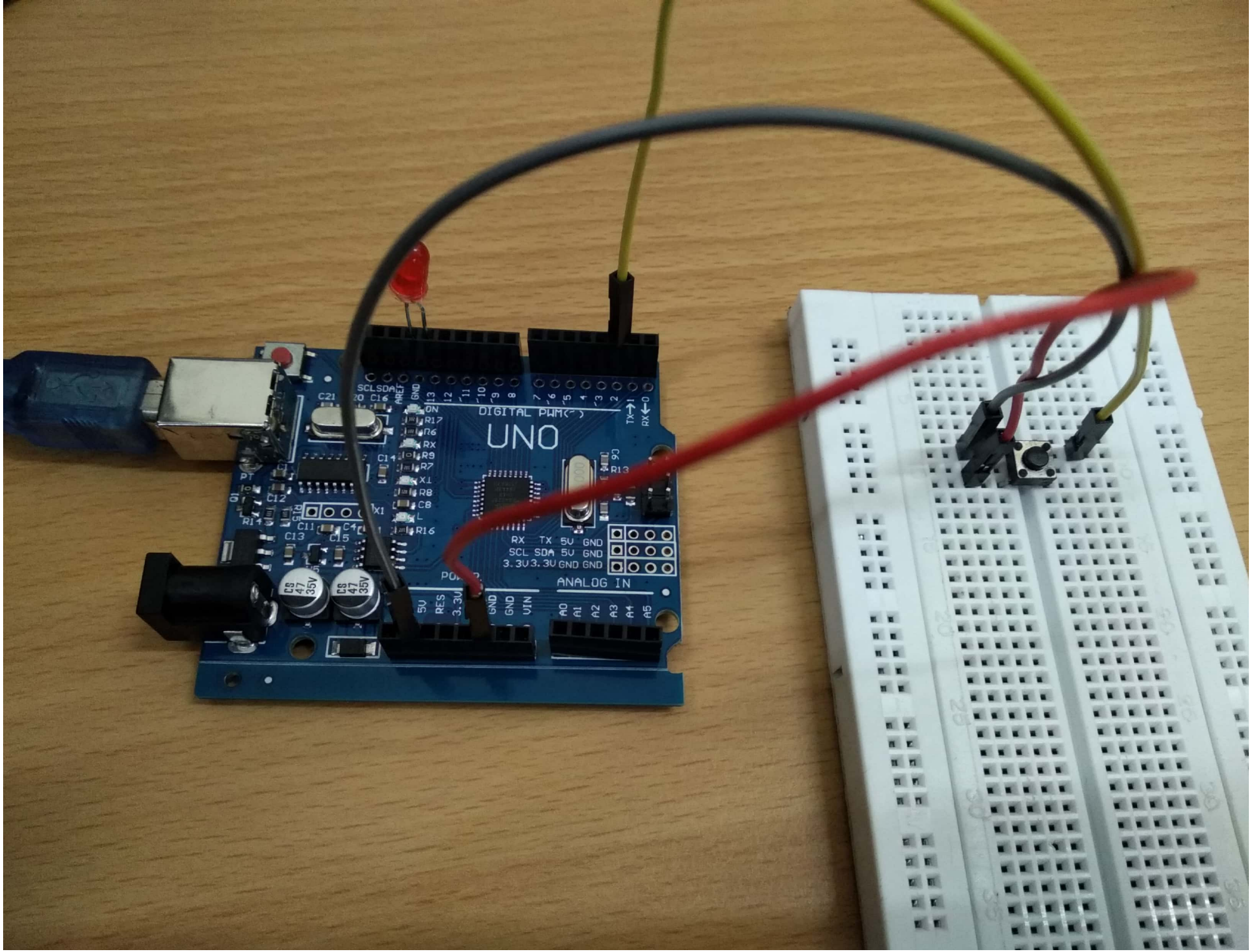
```
Button.ino > ...
20      This example code is in the public domain.
21
22      https://www.arduino.cc/en/Tutorial/BuiltInExamples/Button
23    */
24
25    // constants won't change. They're used here to set pin numbers:
26    const int buttonPin = 2;     // the number of the pushbutton pin
27    const int ledPin =  13;      // the number of the LED pin
28
29    // variables will change:
30    int buttonState = 0;         // variable for reading the pushbutton status
31
32    void setup() {
33      // initialize the LED pin as an output:
34      pinMode(ledPin, OUTPUT);
35      // initialize the pushbutton pin as an input:
36      pinMode(buttonPin, INPUT);
37    }
38
39    void loop() {
40      // read the state of the pushbutton value:
41      buttonState = digitalRead(buttonPin);
42
43      // check if the pushbutton is pressed. If it is, the buttonState is HIGH:
44      if (buttonState == HIGH) {
45        // turn LED on:
46        digitalWrite(ledPin, HIGH);
47      } else {
48        // turn LED off:
49        digitalWrite(ledPin, LOW);
50      }
51    }
52
```

Type here to search









PRG5 | Arduino IDE 2.0.0-beta.12

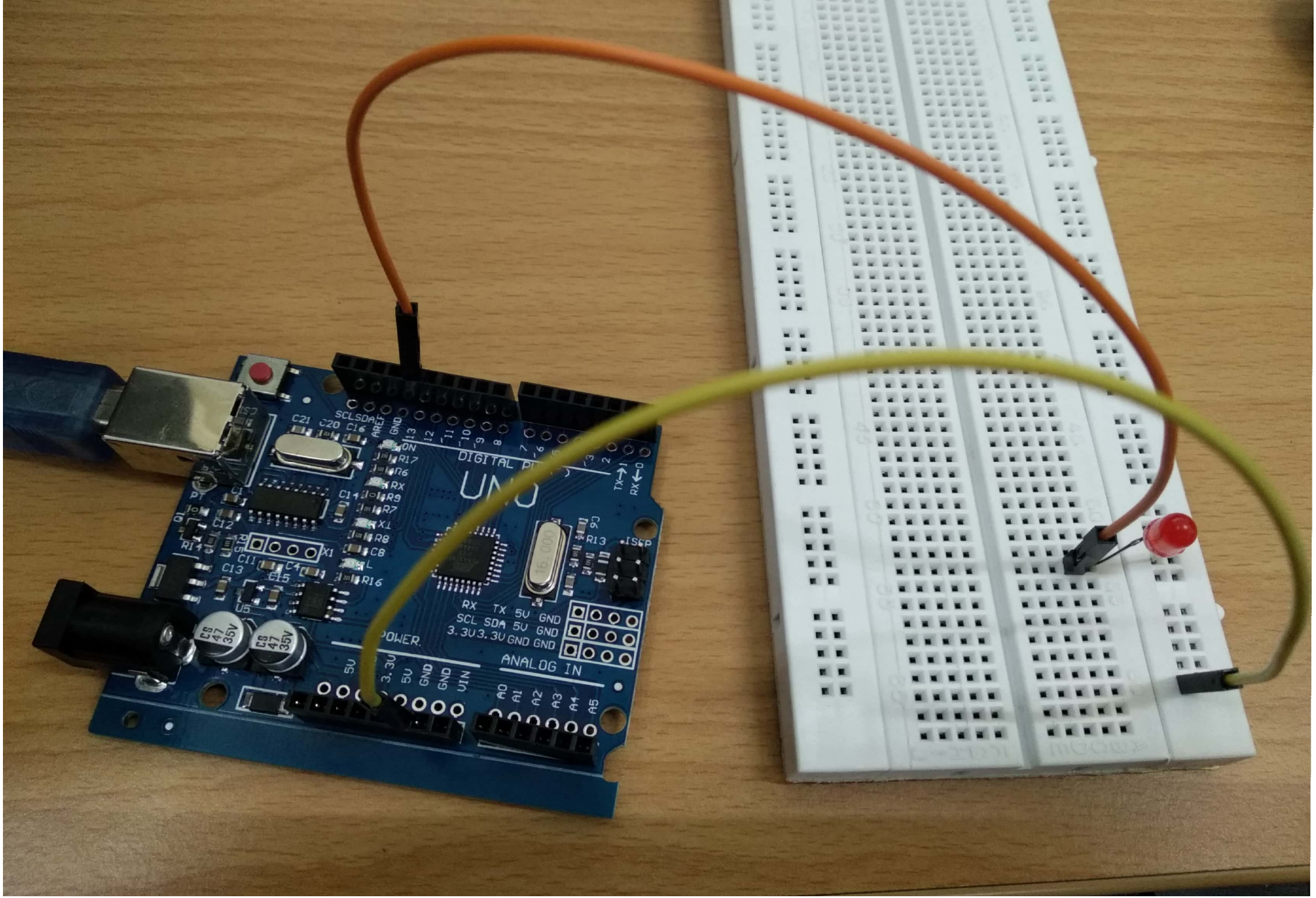
File Edit Sketch Tools Help

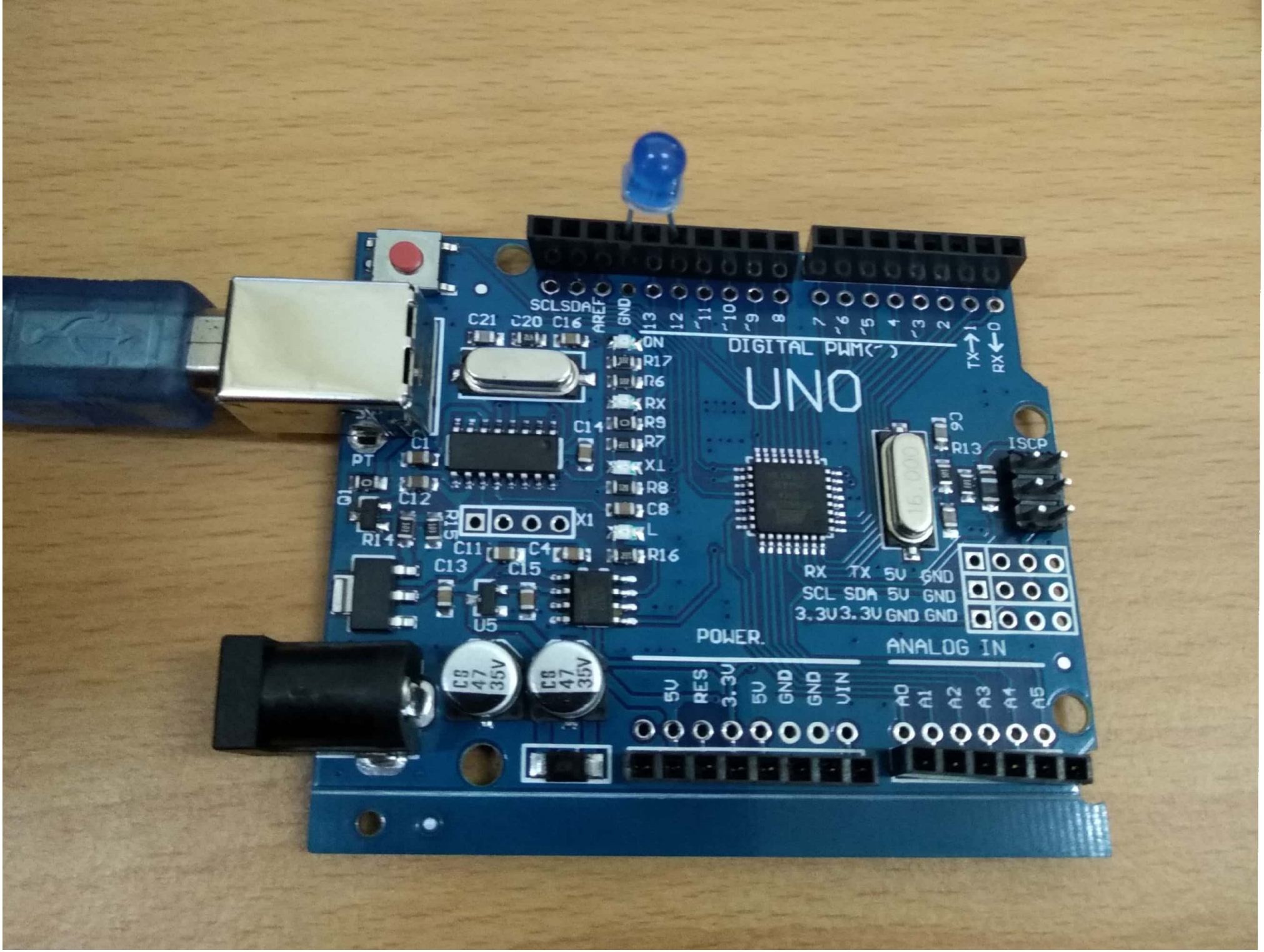
Arduino Uno

PRG5.ino

PRG5.ino > ...

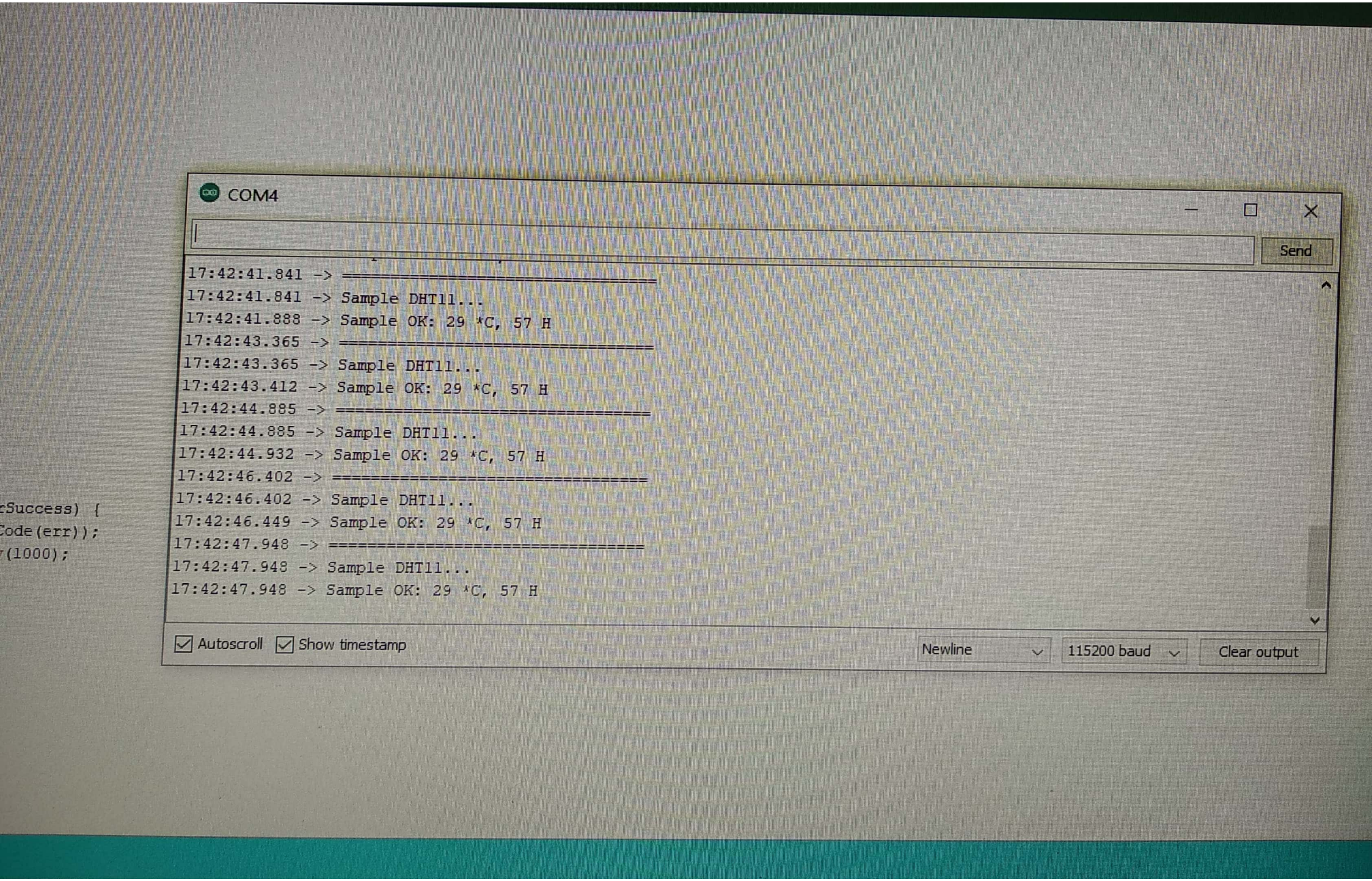
```
int val;
void setup() {
  // put your setup code here, to run once:
  Serial.begin(9600);
  pinMode(12,OUTPUT);

}

void loop() {
  // put your main code here, to run repeatedly:
  if(Serial.available()>=0){
    val=Serial.read();
    if(val=='1'){
      digitalWrite(12,HIGH);
      delay(5);
      Serial.println("LEd is on");
    }


  if(val=='0'){
    digitalWrite(12,LOW);
      delay(5);
      Serial.println("LEd is oFF");

  }
  }
}

```

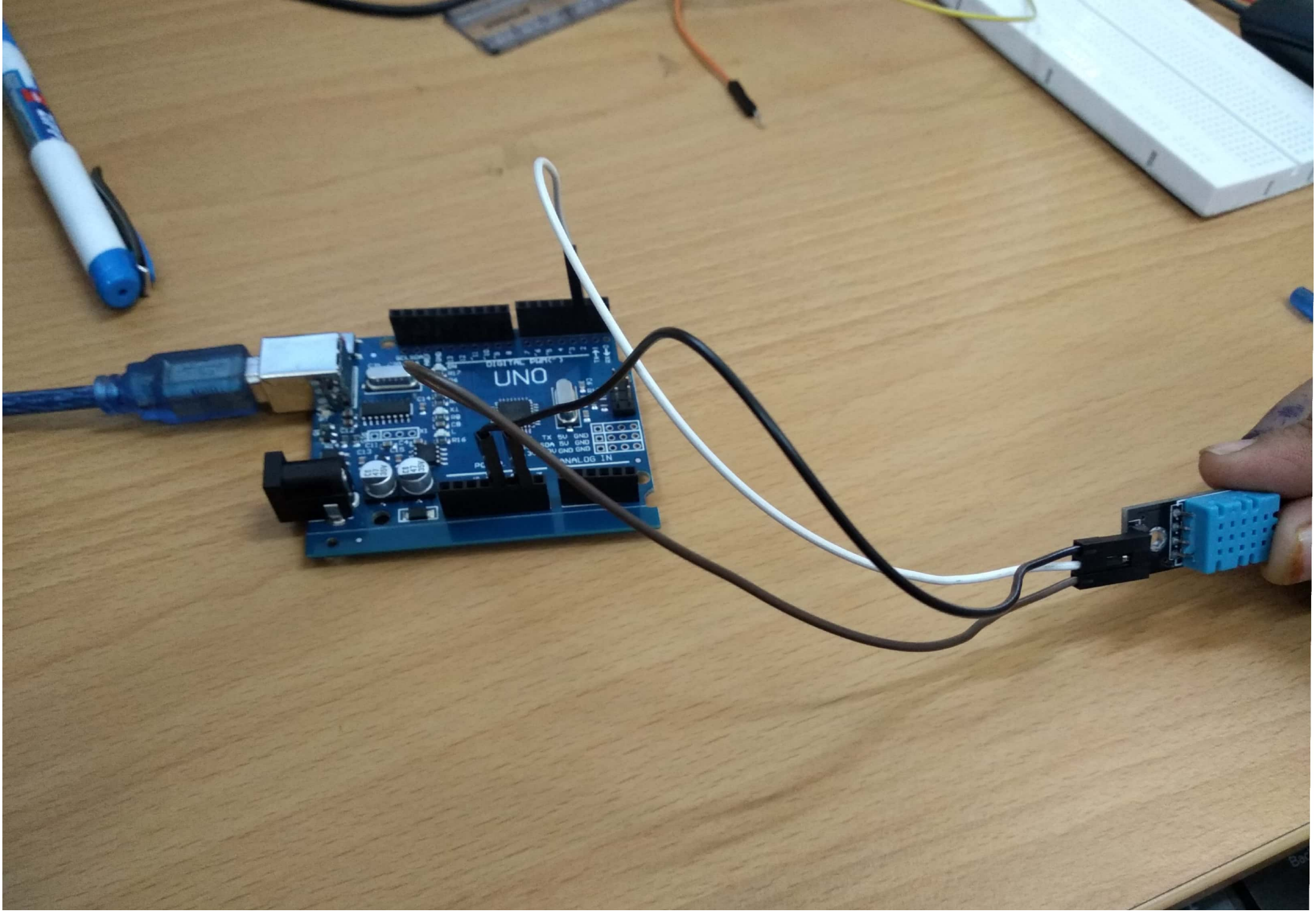




DHT11Default

```
#include <SimpleDHT.h>

// for DHT11,
//      VCC: 5V or 3V
//      GND: GND
//      DATA: 2
int pinDHT11 = 2;
SimpleDHT11 dht11(pinDHT11);

void setup() {
  Serial.begin(115200);
}

void loop() {
  // start working...
  Serial.println("=================================");
  Serial.println("Sample DHT11...");

  // read without samples.
  byte temperature = 0;
  byte humidity = 0;
  int err = SimpleDHTErrSuccess;
  if ((err = dht11.read(&temperature, &humidity, NULL)) != SimpleDHTErrSuccess) {
    Serial.print("Read DHT11 failed, err="); Serial.print(SimpleDHTErrCode(err));
    Serial.print(","); Serial.println(SimpleDHTErrDuration(err)); delay(1000);
    return;
  }

  Serial.print("Sample OK: ");
  Serial.print((int)temperature); Serial.print(" *C, ");
  Serial.print((int)humidity); Serial.println(" H");

  // DHT11 sampling rate is 1HZ.
  delay(1500);
}
```





eta.12

Uno at COM4

ULTRASONIC_-_PRG8.ino

ULTRASONIC_-_PRG8.ino > ...

```
1   int trigpin = 7;
2   int echopin =10;
3   int led=11;
4
5   void setup(){
6
7    // Serial.begin(9600);
8     pinMode(led,OUTPUT);
9     pinMode(trigpin,OUTPUT);
10    pinMode(echopin,INPUT);
11  }
12
13  void loop()
14  {
15    int duration,distance;
16    digitalWrite(trigpin,HIGH);
17    delay(1);
18    digitalWrite(trigpin,LOW);
19    //delayMicroseconds(10);
```

Output

0-beta.12