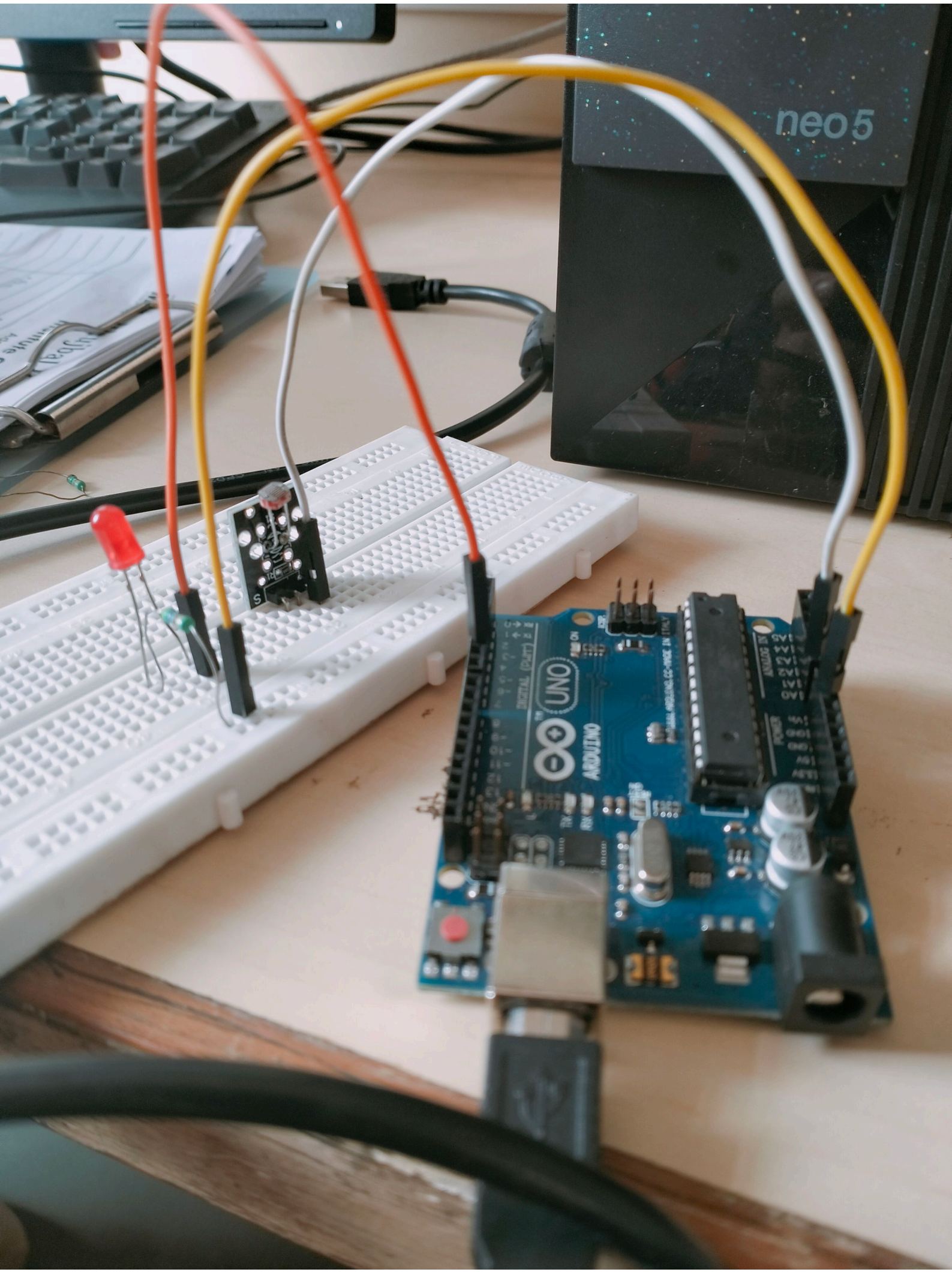
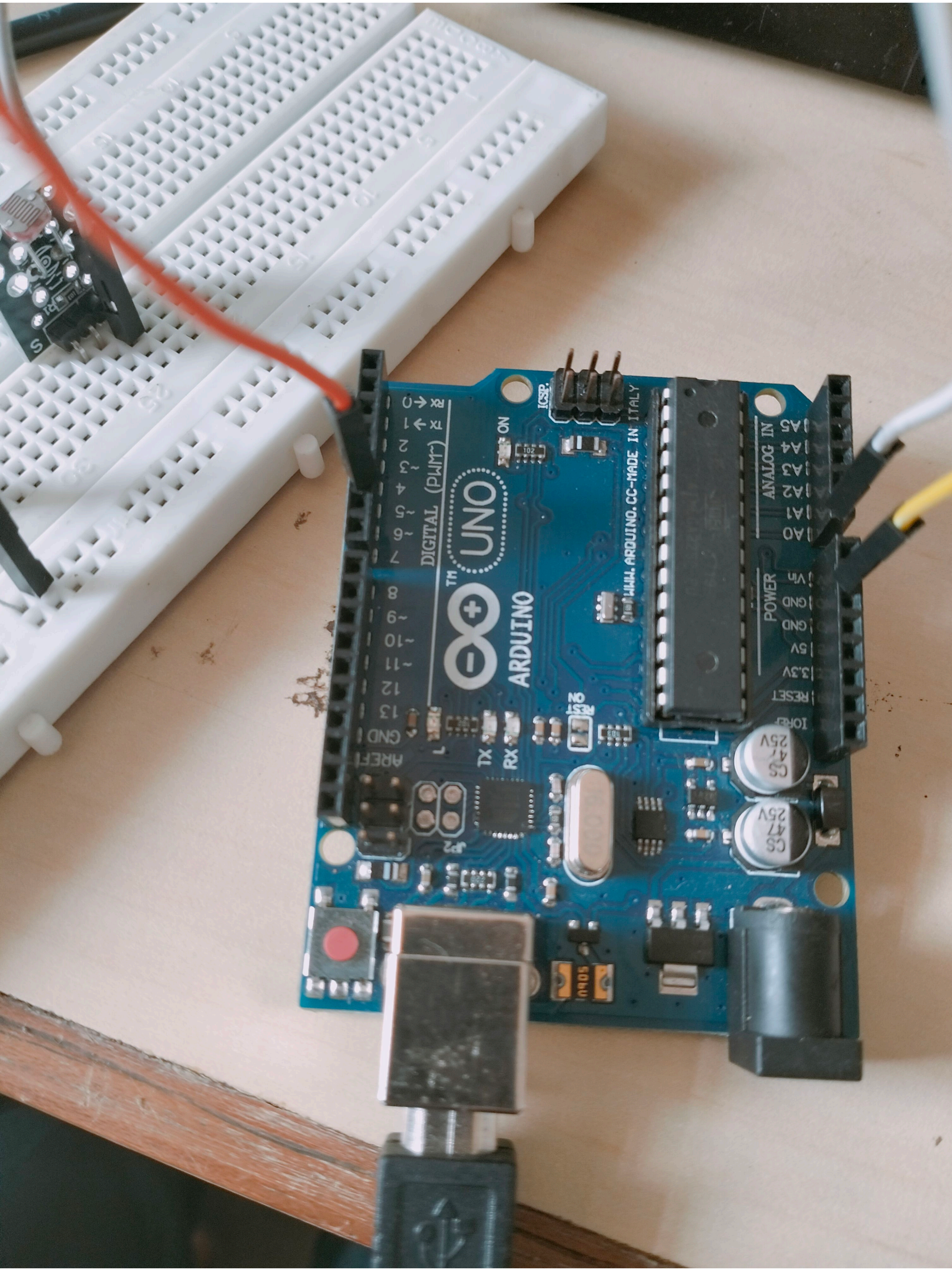
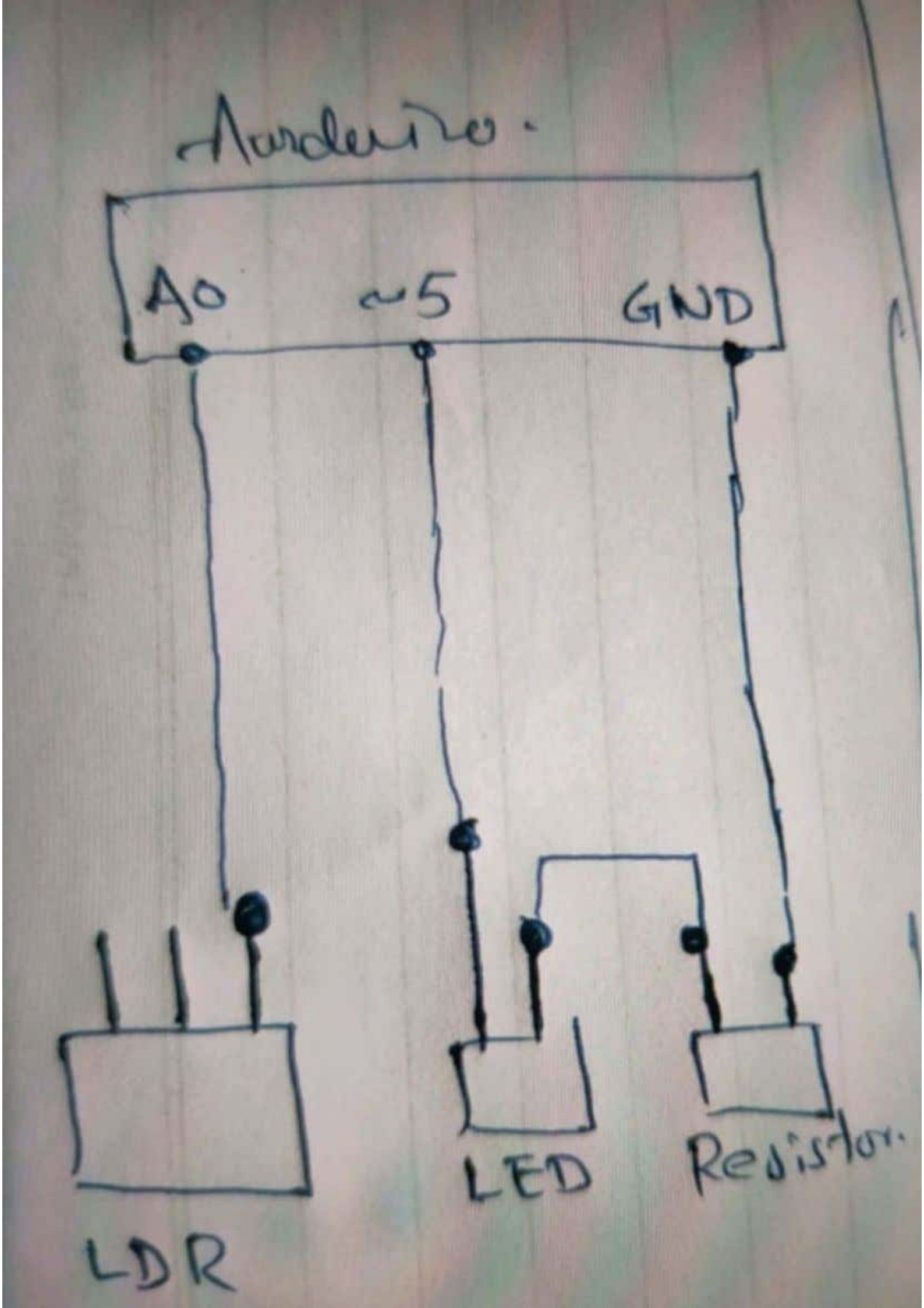
```
const int ledPin = 5;        // LED connected to digital pin 5
const int ldrPin = A0;       // LDR connected to analog pin A0 (assuming A0 as an example

void setup()
{
    Serial.begin(9600);      // Start serial communication at 9600 baud rate
    pinMode(ledPin, OUTPUT); // Set ledPin as an OUTPUT
    pinMode(ldrPin, INPUT);  // Set ldrPin as an INPUT
}

void loop()
{
    int ldrStatus = analogRead(ldrPin); // Read the LDR value

    if (ldrStatus <= 320)    // If it's dark
    {
        digitalWrite(ledPin, HIGH); // Turn on the LED
        Serial.print("Darkness over here, turn on LED. LDR Value: ");
        Serial.println(ldrStatus);
    }

    else                     // If there's sufficient light
    {
        digitalWrite(ledPin, LOW); // Turn off the LED
        Serial.print("There is sufficient light, turn off the LED. LDR Value: ");
        Serial.println(ldrStatus);
    }

    delay(1000);    // Wait for 1 second before the next loop
}
```


neo 5
UNO
ARDUINO


UNO
ARDUINO
DIGITAL (PWM~)
ANALOG IN
POWER
WWW.ARDUINO.CC-MADE IN ITALY
ICSP
RESET
IOREF
AREF
GND
TX
RX
ON


Arduino.
A0
~5
GND
LDR
LED
Resistor.