Code   Start Simulation   Send To
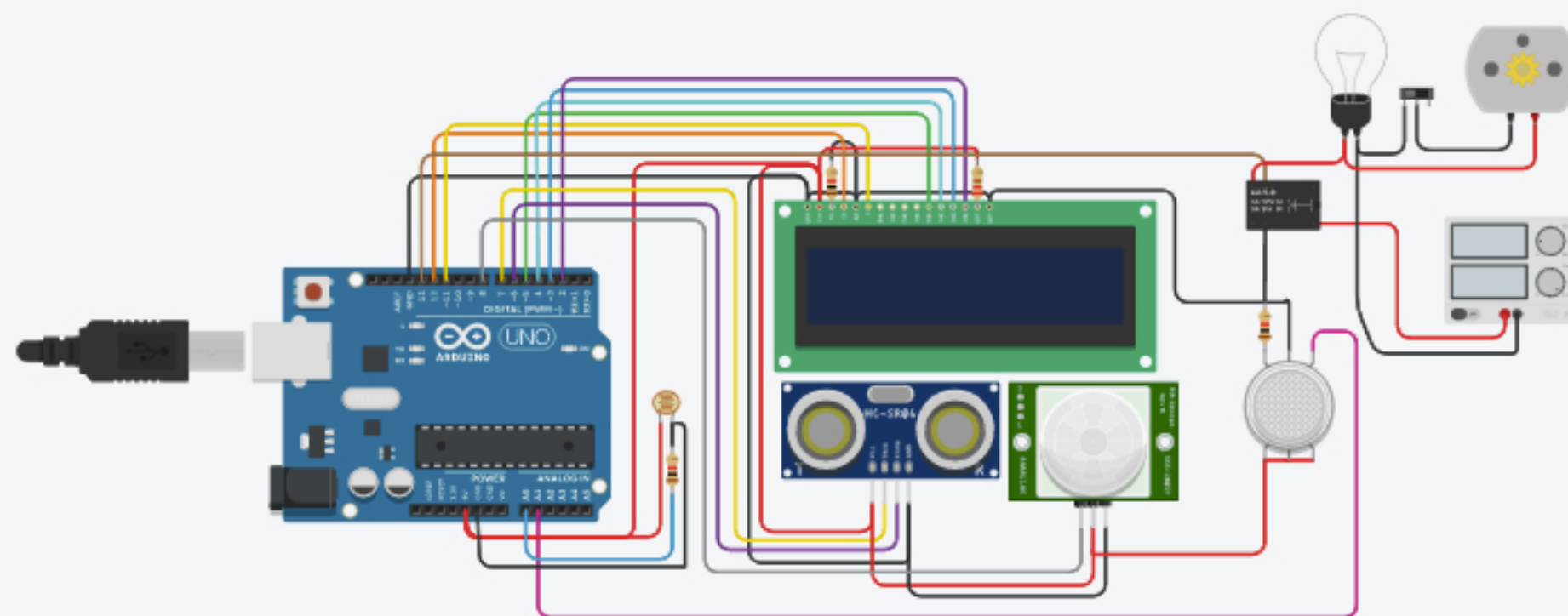
Text   1 (Arduino Uno R3)

```cpp
 7    //For ultrasound sensor
 8    int distanceThreshold = 0;
 9    int cm = 0;
10    int inches = 0;
11
12    //for Relay Control
13    int releNO = 13;
14    int inputPir = 8;
15    int val = 0;
16    int resuldoSensorLDR;
17    int sensorLDR = A0;
18
19    //For Gas sensor
20    int const PINO_SGAS = A1;
21
22
23    long readUltrasonicDistance(int triggerPin, int echoPin)
24    {
25      pinMode(triggerPin, OUTPUT);  // Clear the trigger
26      digitalWrite(triggerPin, LOW);
27      delayMicroseconds(2);
28      // Sets the trigger pin to HIGH state for 10 microseconds
29      digitalWrite(triggerPin, HIGH);
30      delayMicroseconds(10);
31      digitalWrite(triggerPin, LOW);
32      pinMode(echoPin, INPUT);
33      // Reads the echo pin, and returns the sound wave travel time i
34      return pulseIn(echoPin, HIGH);
35    }
36
```

Serial Monitor