



```
1 int sen1Value = 0;
2 int sen2Value = 0;
3 int const gas_sensor = A1;
4 int const LDR = A0;
5 int limit = 400;
6
7 long readUltrasonicDistance(int triggerPin, int echoPin)
8 {
9   pinMode(triggerPin, OUTPUT); // Clear the trigger
10  digitalWrite(triggerPin, LOW);
11  delayMicroseconds(2);
12  // Sets the trigger pin to HIGH state for 10 microseconds
13  digitalWrite(triggerPin, HIGH);
14  delayMicroseconds(10);
15  digitalWrite(triggerPin, LOW);
16  pinMode(echoPin, INPUT);
17  // Reads the echo pin, and returns the sound wave travel time in us
18  return pulseIn(echoPin, HIGH);
19 }
20
21 Servo servo_7;
22
23 void setup()
24 {
25   Serial.begin(9600); //initialize serial communication
26   pinMode(A0, INPUT); //LDR
27   pinMode(A1, INPUT); //gas sensor
28   pinMode(13, OUTPUT); //connected to relay
29 }
```

Serial Monitor