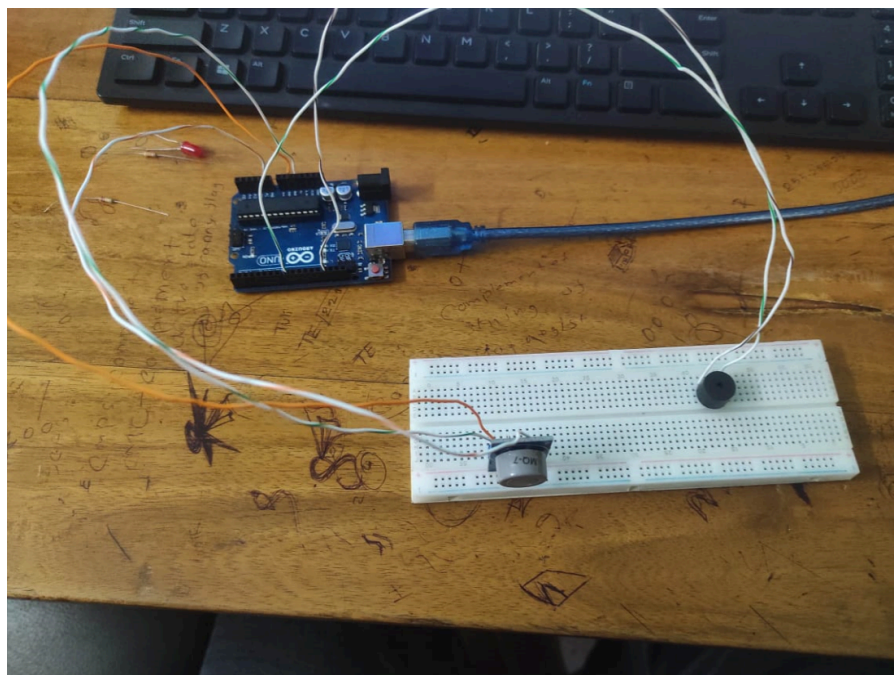
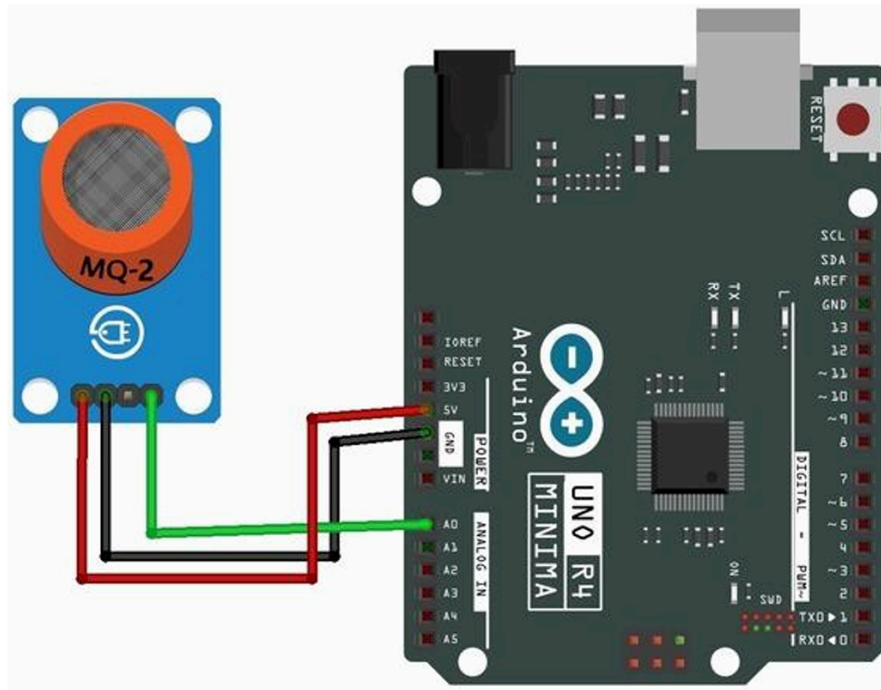


9) Gas Leak Detection and Alarm System Using MQ2 Sensor and Arduino.

Materials:

- Arduino Uno board
- Breadboard
- Jumperwires
- MQ2gassensor
- Buzzer
- 10kOhmresistor



Code :

```
const int MQ2Pin = A0; // Pin connected to MQ2 sensor
const int buzzerPin = 8; // Pin connected to buzzer
int sensorValue = 0; // Variable to store the sensor value
const int threshold = 150; // Threshold value for gas detection

void setup() {
  pinMode(buzzerPin, OUTPUT);
  Serial.begin(9600);
}

void loop() {
  sensorValue = analogRead(MQ2Pin); // Read the value from MQ2 sensor
  Serial.print("Sensor Value: ");
  Serial.println(sensorValue);

  if (sensorValue > threshold) { // If the sensor value is above the threshold (indicating gas
presence)
    digitalWrite(buzzerPin, HIGH); // Turn on the buzzer
  } else {
    digitalWrite(buzzerPin, LOW); // Turn off the buzzer
  }

  delay(1000); // Wait for 1 second before reading again
}
```