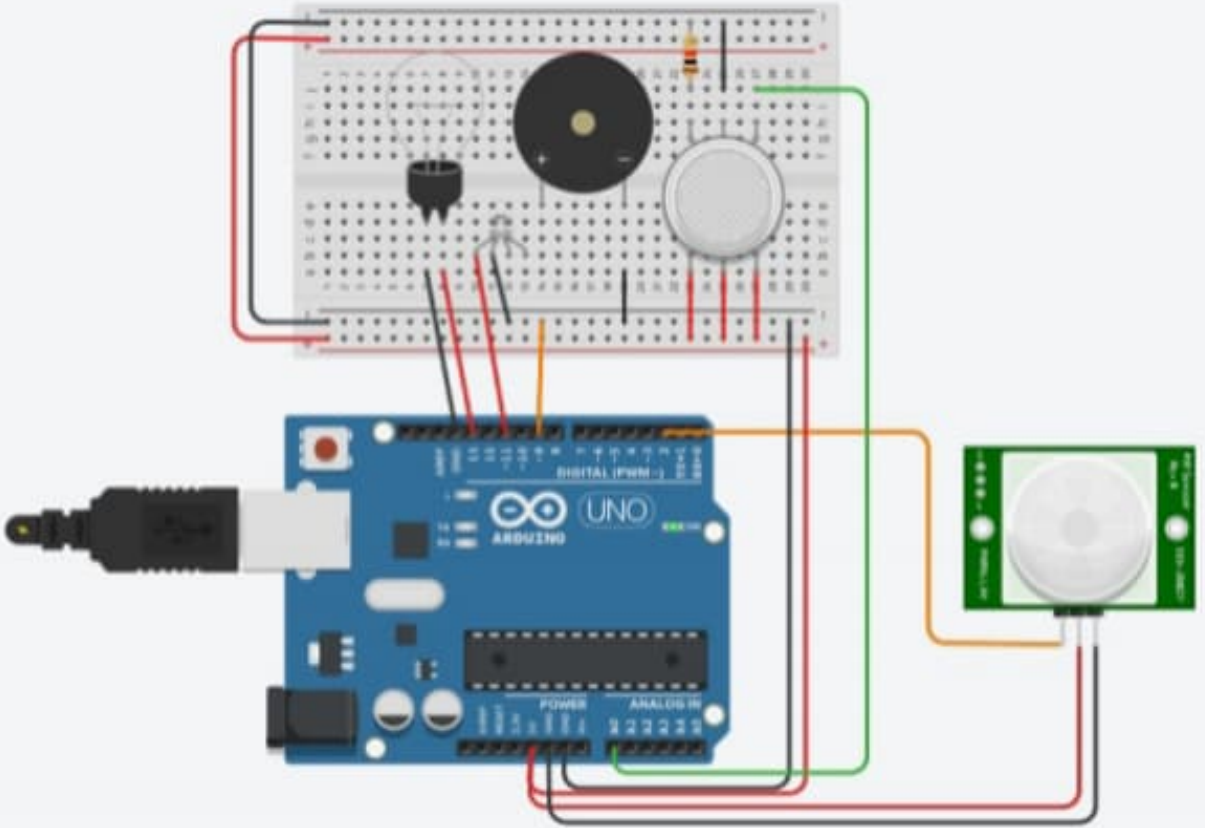
DIGITAL (PWM~)
UNO
ARDUINO
POWER
ANALOG IN

```
const int gas = 0;
int MQ2pin = A0;
int led = 13;                 // the pin that the LED is atteched to
int sensor = 2;               // the pin that the sensor is atteched to
int state = LOW;              // by default, no motion detected
int val = 0;


void setup() {
  Serial.begin(96000);
  pinMode(led, OUTPUT);       // initalize LED as an output
  pinMode(sensor, INPUT);     // initialize sensor as an input
  Serial.begin(9600);
}

void loop() {
  val = digitalRead(sensor);   // read sensor value
  if (val == HIGH) {           // check if the sensor is HIGH
    digitalWrite(led, HIGH);   // turn LED ON
    delay(500);                // delay 100 milliseconds

    if (state == LOW) {
      Serial.println("Motion detected!");
      state = HIGH;       // update variable state to HIGH
    }
  }
  else {
      digitalWrite(led, LOW); // turn LED OFF
      delay(500);             // delay 200 milliseconds

      if (state == HIGH){
        Serial.println("Motion stopped!");
        state = LOW;       // update variable state to LOW
    }
  }

  float sensorValue,MQ2pin;  //Gas sensor
  sensorValue = analogRead(MQ2pin);
  if(sensorValue >= 470){
    digitalWrite(11,HIGH);
     digitalWrite(9,HIGH);
    Serial.print(sensorValue);
    Serial.println(" !!ALERT!!");


  }
  else{
      digitalWrite(11,LOW);
    digitalWrite(9,LOW);
    Serial.println("Sensor Value: ");
    Serial.println(sensorValue);
  }
  delay(1000);
}
      float getsensorValue(int pin){
      return (analogRead(pin));
    }
```