

```

int GasSensorVal = 0;
int sensorState = 0;
int temp = 0;

void setup()
{
    pinMode(A0, INPUT);
    pinMode(A1, INPUT);
    pinMode(A3, INPUT);
    pinMode(12, OUTPUT);
    pinMode(2, OUTPUT);
    pinMode(12, OUTPUT);
    Serial.begin(9600);
}

void loop()
{
    GasSensorVal = analogRead(A0);
    if (GasSensorVal > 150) {
        digitalWrite(12, HIGH);
        digitalWrite(2, HIGH);
        Serial.println("Detect");
        delay(1000);
        Serial.println("Not Detect");
        digitalWrite(12, LOW);
        digitalWrite(2, LOW);
    } else {
        digitalWrite(12, LOW);
    }
    {
        if ( sensorState == HIGH) {
            digitalWrite(13, HIGH);
            Serial.println("Sensor activated!");
        } else {
            digitalWrite(13, LOW);
        }
    }
    delay(10);
}

{
    temp = analogRead(temp);
    temp = temp * 0.48828125;
    Serial.print("TEMPERATURE = ");
    Serial.print(temp);
    Serial.print("*C");
    Serial.println();
    delay(1000);
}
}

```

