

DEVELOPING THE CODE

```
const int mq2Pin = 2;

const int buzzerPin = 3;

const int relayPin = 4;

const int servoPin = 5;

#include <Servo.h>

Servo myservo;

void setup() {

  pinMode(mq2Pin, INPUT);

  pinMode(buzzerPin, OUTPUT);

  pinMode(relayPin, OUTPUT);

  pinMode(servoPin, OUTPUT);

  myservo.attach(servoPin);

}

void loop() {

  int gasValue = digitalRead(mq2Pin);

  if (gasValue == LOW) {

    activateAlarm();

    activateRelay();

    turnOnServo();

  }

  else {

    deactivateAlarm();
```

```
deactivateRelay();  
turnOffServo();  
}  
}  
void activateAlarm() {  
digitalWrite(buzzerPin, HIGH);  
}  
void deactivateAlarm() {  
29  
digitalWrite(buzzerPin, LOW);  
}  
void activateRelay() {  
digitalWrite(relayPin, LOW);  
}  
void deactivateRelay() {  
digitalWrite(relayPin, HIGH);  
}  
void turnOnServo() {  
myservo.write(90);  
}  
void turnOffServo() {  
myservo.write(0);  
}
```