```
int ledPin1 = 2;
int ledPin2 = 3;
int ledPin3 = 8;
int ledPin4 = 7;
int buzzerPin = 4;
int sensorPin = A0;
int sensorValue=0;
int delayTime = 1000;
int buzzerFrequency = 1000;
float gasvalue;


void setup() {
pinMode(ledPin1, OUTPUT);
pinMode(ledPin2, OUTPUT);
pinMode(ledPin3, OUTPUT);
pinMode(ledPin4, OUTPUT);
pinMode(buzzerPin, OUTPUT);
pinMode(sensorPin, INPUT);
Serial.begin(9600);
}


void loop() {
int sensorValue = analogRead(sensorPin);
Serial.println(sensorValue);


if (sensorValue > 150) {
digitalWrite(ledPin1, HIGH);
tone(buzzerPin, buzzerFrequency);
```

```
delay(delayTime);
digitalWrite(ledPin1, LOW);
noTone(buzzerPin);
digitalWrite(ledPin2, HIGH);
tone(buzzerPin, buzzerFrequency);
delay(delayTime);
digitalWrite(ledPin2, LOW);
noTone(buzzerPin);

digitalWrite(ledPin3, HIGH);
tone(buzzerPin, buzzerFrequency);
delay(delayTime);
digitalWrite(ledPin3, LOW);
noTone(buzzerPin);

digitalWrite(ledPin4, HIGH);
tone(buzzerPin, buzzerFrequency);
delay(delayTime);
digitalWrite(ledPin4, LOW);
noTone(buzzerPin);

delayTime = delayTime - 100;
buzzerFrequency = buzzerFrequency + 50;
if (delayTime < 100) {
delayTime = 1000;
buzzerFrequency = 1000;
}
}
```

```
else {
digitalWrite(ledPin1, LOW);
digitalWrite(ledPin2, LOW);
digitalWrite(ledPin3, LOW);
digitalWrite(ledPin4, LOW);
noTone(buzzerPin);
}
}
```