Code for Gas buzzer

Code 1 :

```
#include <ESP8266WiFi.h>

// Define the pin where the MQ-2 sensor is connected
const int gasSensorPin = A0;    // Analog pin A0

// Define the pin where the buzzer is connected
const int buzzerPin = D1;       // Digital pin D1 (GPIO 5)

// Define the threshold for gas detection
const int gasThreshold = 500;   // Adjust this value based on your testing

void setup() {
  // Start the serial communication
  Serial.begin(9600);

  // Set up the buzzer pin
  pinMode(buzzerPin, OUTPUT);

  // Initialize the buzzer to OFF
```

```arduino
  digitalWrite(buzzerPin, LOW);

  // Print initial status to the serial monitor
  Serial.println("MQ-2 Gas Sensor Initialized");
}

void loop() {
  // Read the analog value from the MQ-2 sensor
  int gasValue = analogRead(gasSensorPin);

  // Print the sensor value to the serial monitor
  Serial.print("Gas Sensor Value: ");
  Serial.println(gasValue);

  // Check if the gas value exceeds the threshold
  if (gasValue < gasThreshold) {
    // Gas leak detected - give a "beep-beep" sound
    Serial.println("Gas leak detected!");

    // Beep beep sound
    digitalWrite(buzzerPin, HIGH);
    delay(200); // Beep duration
```

```
    digitalWrite(buzzerPin, LOW);
    delay(200); // Pause between beeps
  } else {
    // No gas leak detected - keep the buzzer off
    digitalWrite(buzzerPin, LOW);
  }

  // Short delay before the next reading
  delay(500); // Delay in milliseconds
```