

```
const int buzzerPin = 5;    // Buzzer connected to digital pin 5
const int flamePin = 2;    // Flame sensor connected to digital pin 2

void setup() {
    pinMode(buzzerPin, OUTPUT); // Set buzzer pin as output
    pinMode(flamePin, INPUT);   // Set flame sensor pin as input
    Serial.begin(9600);        // Start serial communication
}

void loop() {
    int flame = digitalRead(flamePin); // Read the flame sensor value

    if (flame == LOW) {              // Check if flame is detected
        Serial.println("Fire is Detected");
        digitalWrite(buzzerPin, HIGH); // Turn on the buzzer
    } else {
        Serial.println("No Fire is Detected");
        digitalWrite(buzzerPin, LOW);  // Turn off the buzzer
    }

    delay(1000); // Wait for 1 second before the next loop iteration
}
```







