

```
// Define pin numbers
const int mq3Pin = A0;
const int potentiometerPin = A1;
const int buzzerPin = 5;
const int motorPin = 6;
void setup() {
    pinMode(mq3Pin, INPUT);
    pinMode(potentiometerPin, INPUT);
    pinMode(buzzerPin, OUTPUT);
    pinMode(motorPin, OUTPUT);
    // Initialize LCD display
    // Set up any other necessary components
}

void loop() {
    int alcoholValue = analogRead(mq3Pin);
    int threshold = analogRead(potentiometerPin);

    if (alcoholValue > threshold) {
        digitalWrite(buzzerPin, HIGH); // Sound the
buzzer
        digitalWrite(motorPin, LOW); // Keep motor
off (ignition locked)
        // Update LCD display with alcohol
```

concentration

```
    } else {  
        digitalWrite(buzzerPin, LOW); // Silence the  
buzzer  
        digitalWrite(motorPin, HIGH); // Allow motor  
(ignition unlocked)  
        // Update LCD display with normal status  
    }  
    delay(1000); // Delay for stability  
}
```