

The Code

There were a lot of draft codes, like a lot, which is why these are the finalized code. Who wants to see broken code?

```
int buzzer = 9;
int co_sensor = 8;
int co_detected;
int msr = 0;
int sensor = A0;
int LED = 4;

#include <LiquidCrystal.h>
LiquidCrystal lcd (12, 11, 5, 4, 3, 2);

#include <dht.h>
dht DHT;
#define DHT11_PIN 7

void setup() {
  int ts = DHT.readTemperature
  int hs = DHT.readHumidity
  lcd.begin(16,2);
  Serial.begin(9600);
  pinMode(4, OUTPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(co_sensor, INPUT);
}

void loop() {
  int chk = DHT.read11(DHT11_PIN);
  lcd.setCursor(0,0);
  lcd.print("Temp-");
  lcd.print(ts);
  lcd.print("c");
  lcd.setCursor(0,1);
  lcd.print("Humidity-");
  lcd.print(hs);
  lcd.print("%");
  Serial.print
  co_detected = digitalRead(co_sensor);
  if(co_detected == LOW) {
```

```
    Serial.println("co detected... run for your life!");  
    digitalWrite(buzzer, HIGH);  
}  
else {  
    Serial.println("no co detected... go eat some pizza");  
    digitalWrite(buzzer, LOW);  
}  
msr = analogRead(sensor);  
Serial.println(msr);  
if (msr > 100) {  
    Serial.println("soft light");  
    digitalWrite(4, LOW);  
}  
else {  
    Serial.println("hard light");  
    digitalWrite(4, HIGH);  
}  
delay(1000);  
}
```

The Finalized code

```
1  int buzzer = 9;
2  int co_sensor = 8;
3  int co_detected;
4  int msr = 0;
5  int sensor = A0;
6  int LED = 4;
7
8
9  #include <LiquidCrystal.h>
10 LiquidCrystal lcd (12, 11, 5, 4, 3, 2);
11
12 #include <dht.h>
13 dht DHT;
14 #define DHT11_PIN 7
15
16 void setup() {
17     int ts = DHT.readTemperature
18     int hs = DHT.readHumidity
19     lcd.begin(16,2);
20     Serial.begin(9600);
21     pinMode(4, OUTPUT);
22     pinMode(buzzer, OUTPUT);
23     pinMode(co_sensor, INPUT);
24 }
25
26 void loop() {
27     int chk = DHT.read11(DHT11_PIN);
28     lcd.setCursor(0,0);
29     lcd.print("Temp-");
30     lcd.print(ts);
31     lcd.print("c");
32     lcd.setCursor(0,1);
33     lcd.print("Humidity-");
34     lcd.print(hs);
35     lcd.print("%");
36     Serial.print
37     co_detected = digitalRead(co_sensor);
38     if(co_detected == LOW) {
39         Serial.println("co detected... run for your life!");
40         digitalWrite(buzzer, HIGH);
41     }
42     else {
43         Serial.println("no co detected... go eat some pizza");
44         digitalWrite(buzzer, LOW);
45     }
46     msr = analogRead(sensor);
47     Serial.println(msr);
48     if (msr > 100) {
```

```
49     Serial.println("soft light");
50     digitalWrite(4, LOW);
51 }
52 else {
53     Serial.println("hard light");
54     digitalWrite(4, HIGH);
55 }
56 delay(1000);
57 }
58
```

Revision #2

Created 2025-11-23 13:48:12 UTC by Owen

Updated 2025-11-27 14:17:28 UTC by Owen