



SOURCE CODE:

```
#include <LiquidCrystal.h>
#include <dht.h>

#define DHTPIN 3
#define DHTTYPE DHT11
dht DHT;

#define BUZZERPIN 2

#define LCD_RS 9
#define LCD_EN 6
#define LCD_D4 4
#define LCD_D5 5
#define LCD_D6 6
#define LCD_D7 7

LiquidCrystal lcd(LCD_RS, LCD_EN, LCD_D4, LCD_D5, LCD_D6, LCD_D7);

const int thresholdTemp = 25; // in Celsius
const int thresholdHumidity = 70; // in percent
```

```

void setup() {
  Serial.begin(9600);
  lcd.begin(16, 2);
  pinMode(BUZZERPIN, OUTPUT);
}

void loop() {
  int chk = DHT.read11(DHTPIN);
  lcd.clear();
  lcd.setCursor(0,0);
  lcd.print("Temperature: ");
  lcd.print(DHT.temperature);
  lcd.print((char)223);
  lcd.print("C");
  lcd.setCursor(0,1);
  lcd.print("Humidity: ");
  lcd.print(DHT.humidity);
  lcd.print("%");
  delay(2000);

  if (DHT.temperature >= thresholdTemp || DHT.humidity >= thresholdHumidity) {
    tone(BUZZERPIN, 500);
    delay(500);
    noTone(BUZZERPIN);
  }
  else {
    noTone(BUZZERPIN);
  }
}

```