




## COLIFORM DETECTION

Online

David



My organization - 4157RR

 Add Tag

Dashboard

Timeline

Device Info

Metadata

Actions Log

Latest

Last ...

6 Hou...

1 Day

1 We...

1 Month

3 Months

Cust...

LDR 1



LDR 2



LDR 3



Heating So...



ON

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Temperatu...



Humidity ...



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blynk | Arduino IDE 2.1.0

File Edit Sketch Tools Help

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DOIT ESP32 DEVKIT V1

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blynk.ino

```
1 //Including necessary libraries
2 #include <WiFi.h>
3 #include <WiFiClient.h>
4 #include <BlynkSimpleEsp32.h>
5 #include <LiquidCrystal_I2C.h>
6 #include <Wire.h>
7 #include <DHT.h>
8
9 //Blynk and wifi details
10 #define BLYNK_TEMPLATE_ID "TMPLiD4_oZ2g"
11 #define BLYNK_TEMPLATE_NAME "COLIFORM DETECTION"
12 #define BLYNK_AUTH_TOKEN "O_Y7ewj-zfD9Y49K4kd0Tx3ueyJIut6y"
13 #define BLYNK_PRINT Serial
14
15 char auth[] = BLYNK_AUTH_TOKEN;
16 char ssid[] = "Djonesplays";
17 char password[] = "1234David";
18
19 //Global variables declaration
20 unsigned long startTime;
21 BlynkTimer timer;
22 LiquidCrystal_I2C lcd(0x27 ,16,2);
23
24 // initialize DHT sensor
25 #define DHTPIN 4
26 #define DHTTYPE DHT22
27 DHT dht(DHTPIN, DHTTYPE);
28
29 //setting my sensor pins
30 int ldrA = 32;
31 int ldrB = 35;
```

Output

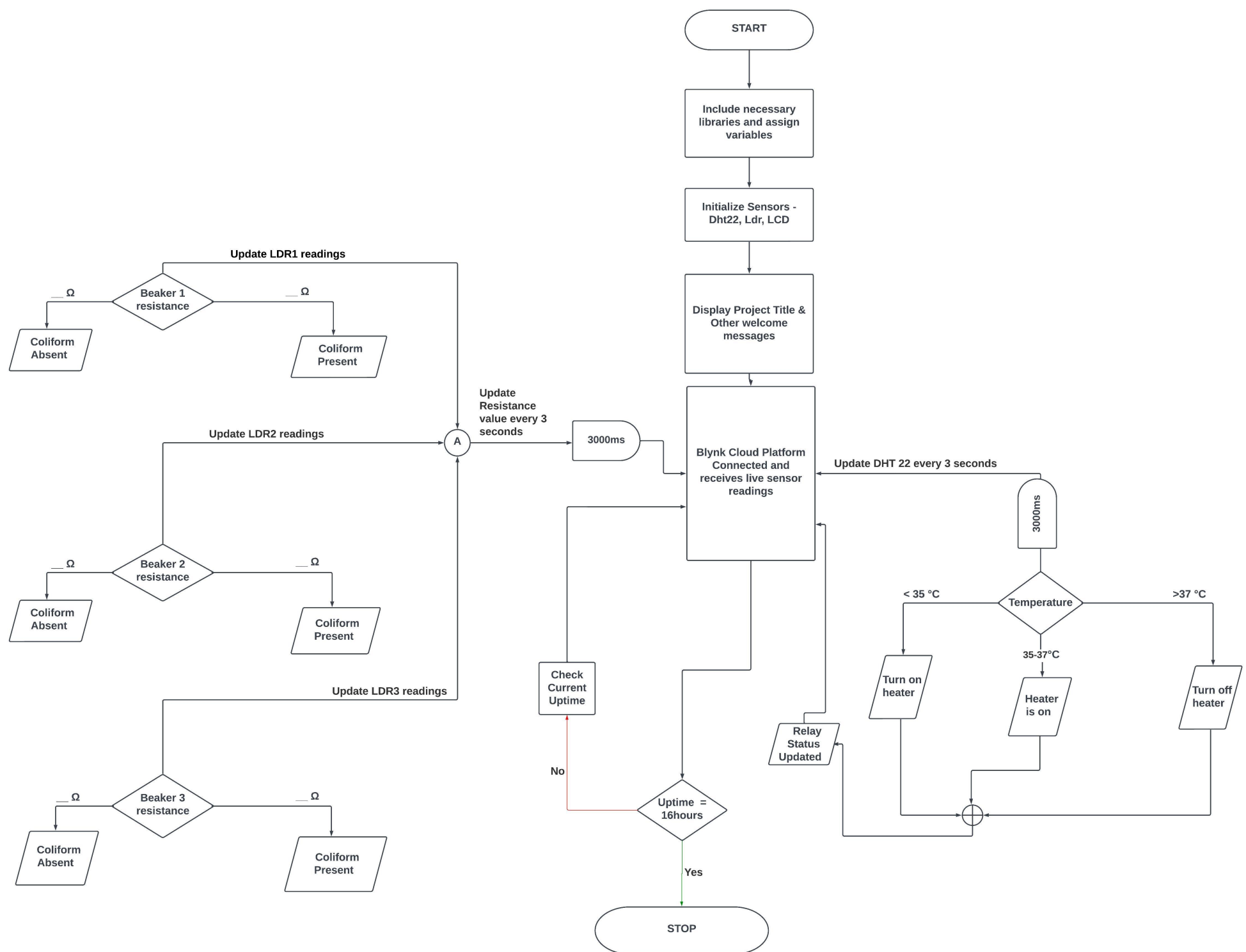
Serial Monitor

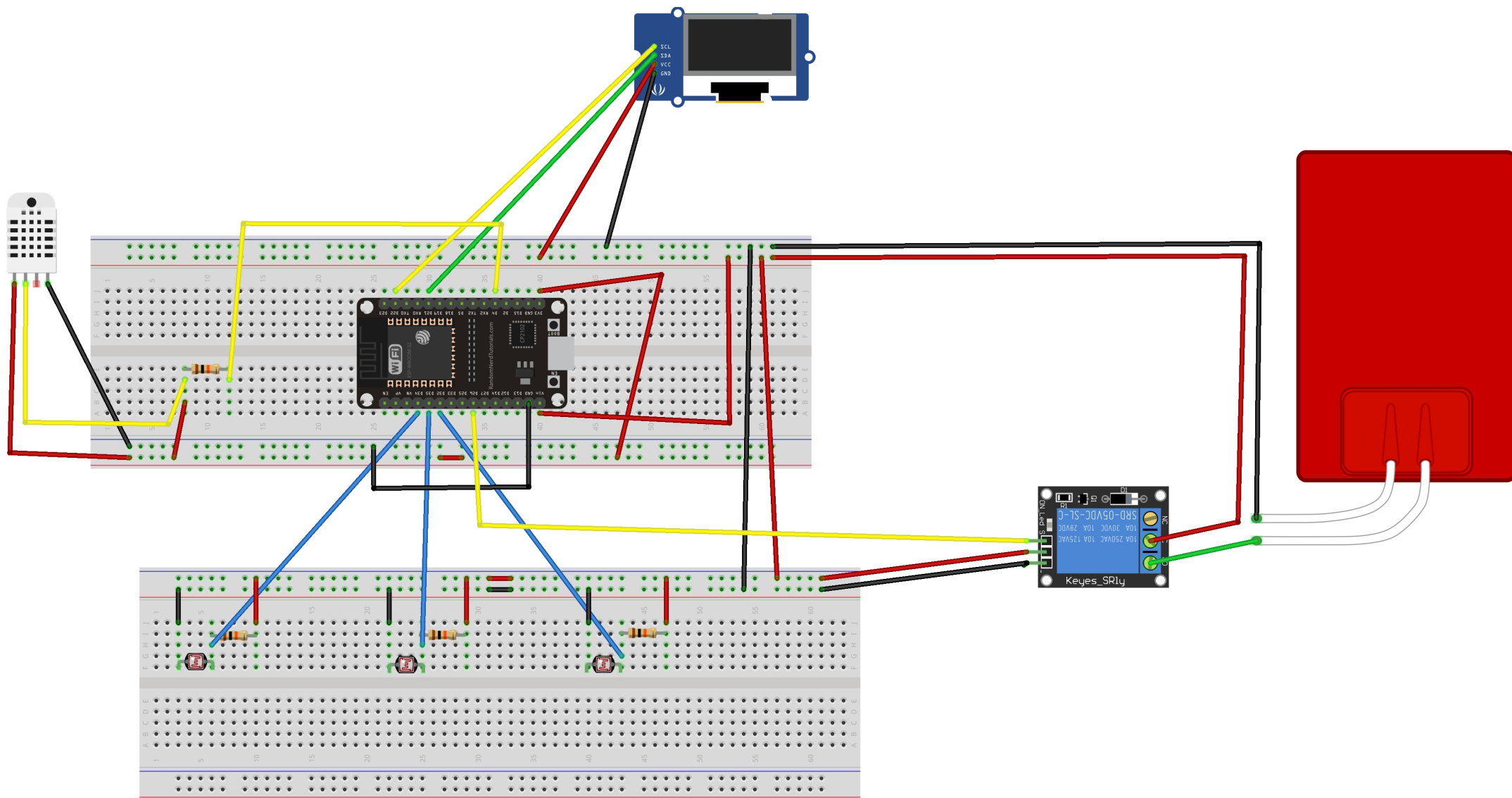
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Offline

Ln 169, Col 26 DOIT ESP32 DEVKIT V1 [not connected]

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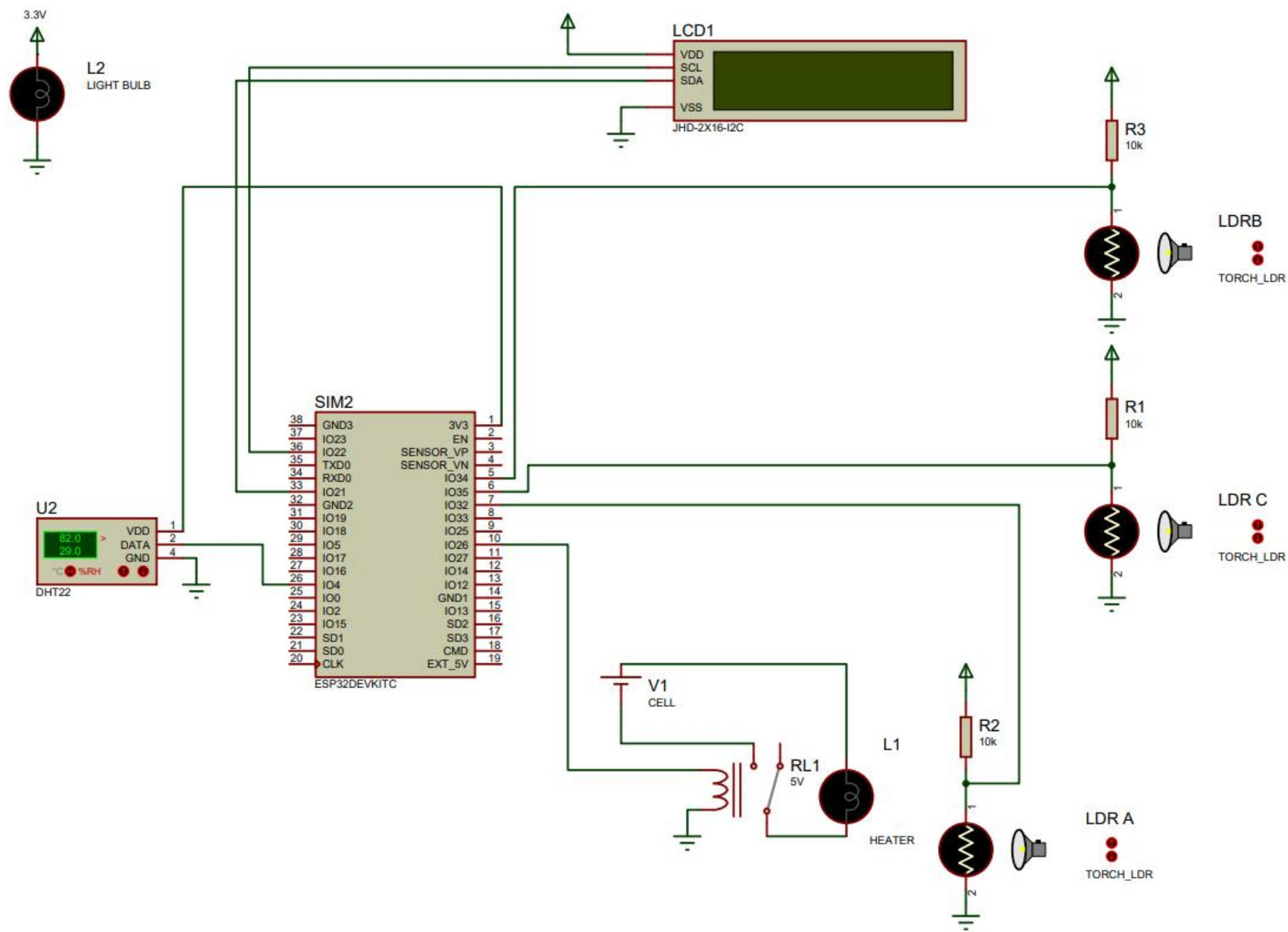












```
18 char auth[] = BLYNK_AUTH;  
19 char ssid[] = "Djonesp";  
20
```

Output Serial Monitor X

Message (Enter to send message to 'DOIT ESP8266')

temperature: 29.70  
humidity: 86.80  
Heating pad is ON  
temperature: 29.80  
humidity: 86.40  
Heating pad is ON  
temperature: 29.70  
humidity: 86.40  
Heating pad is ON  
temperature: 29.90  
humidity: 86.20  
Heating pad is ON









