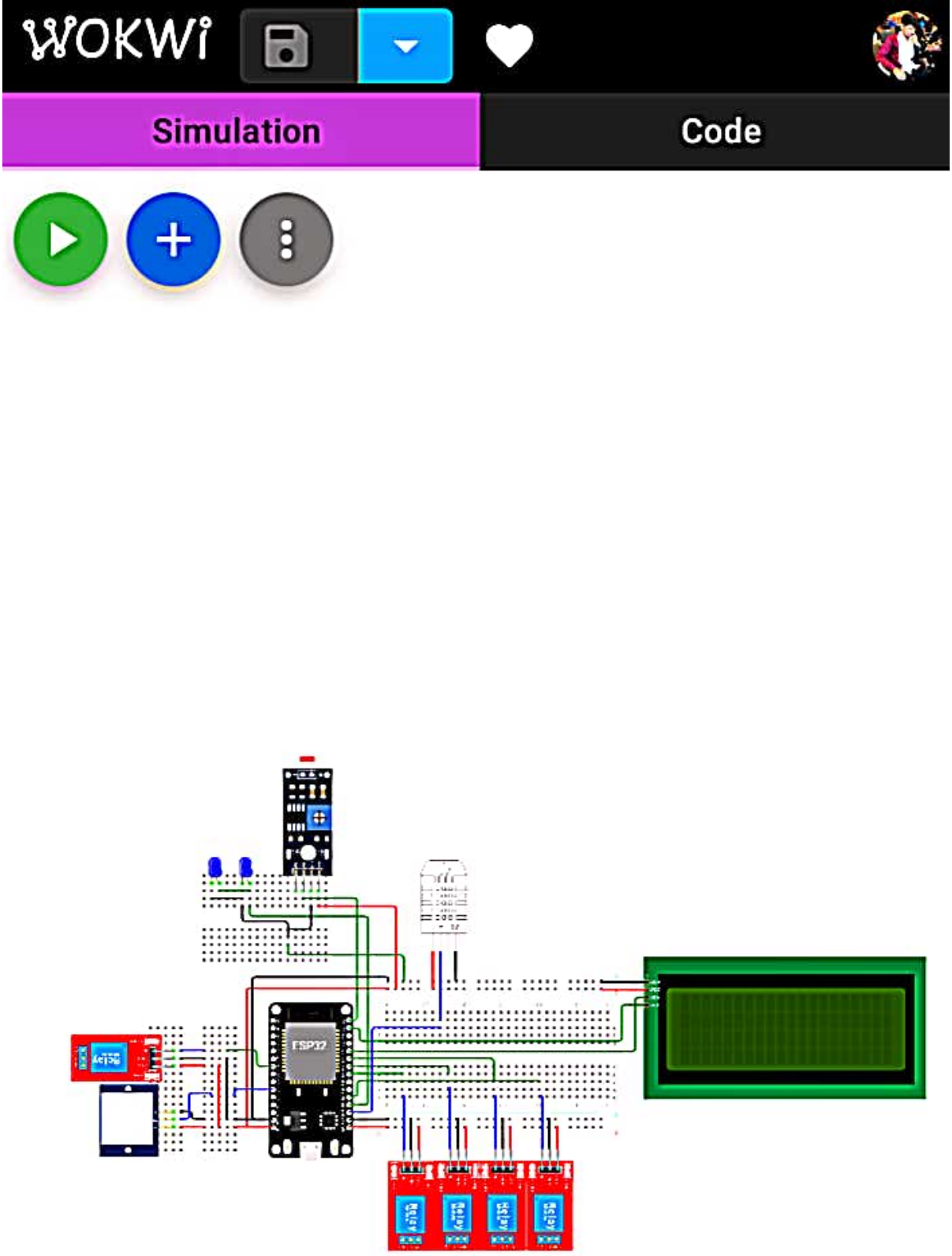
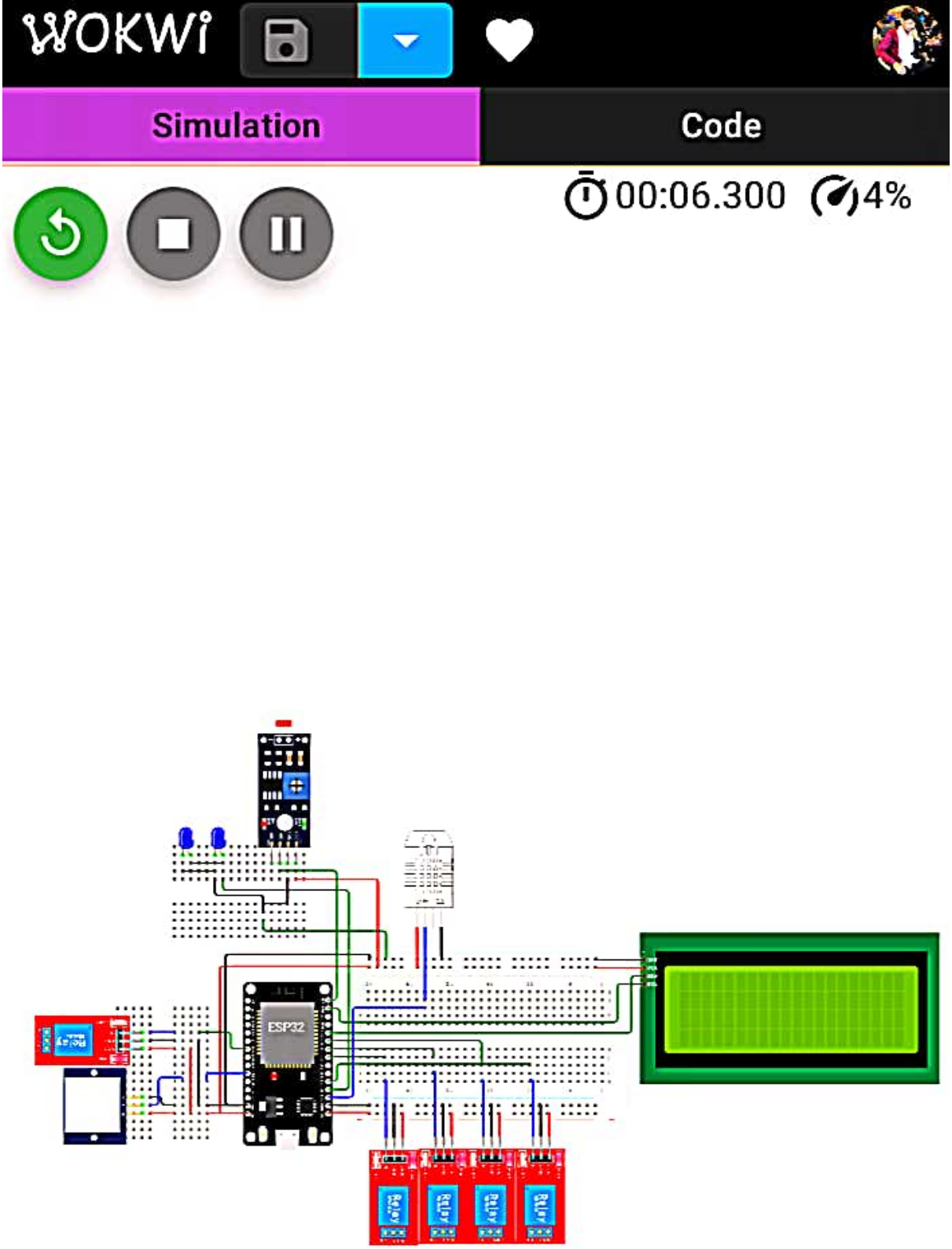
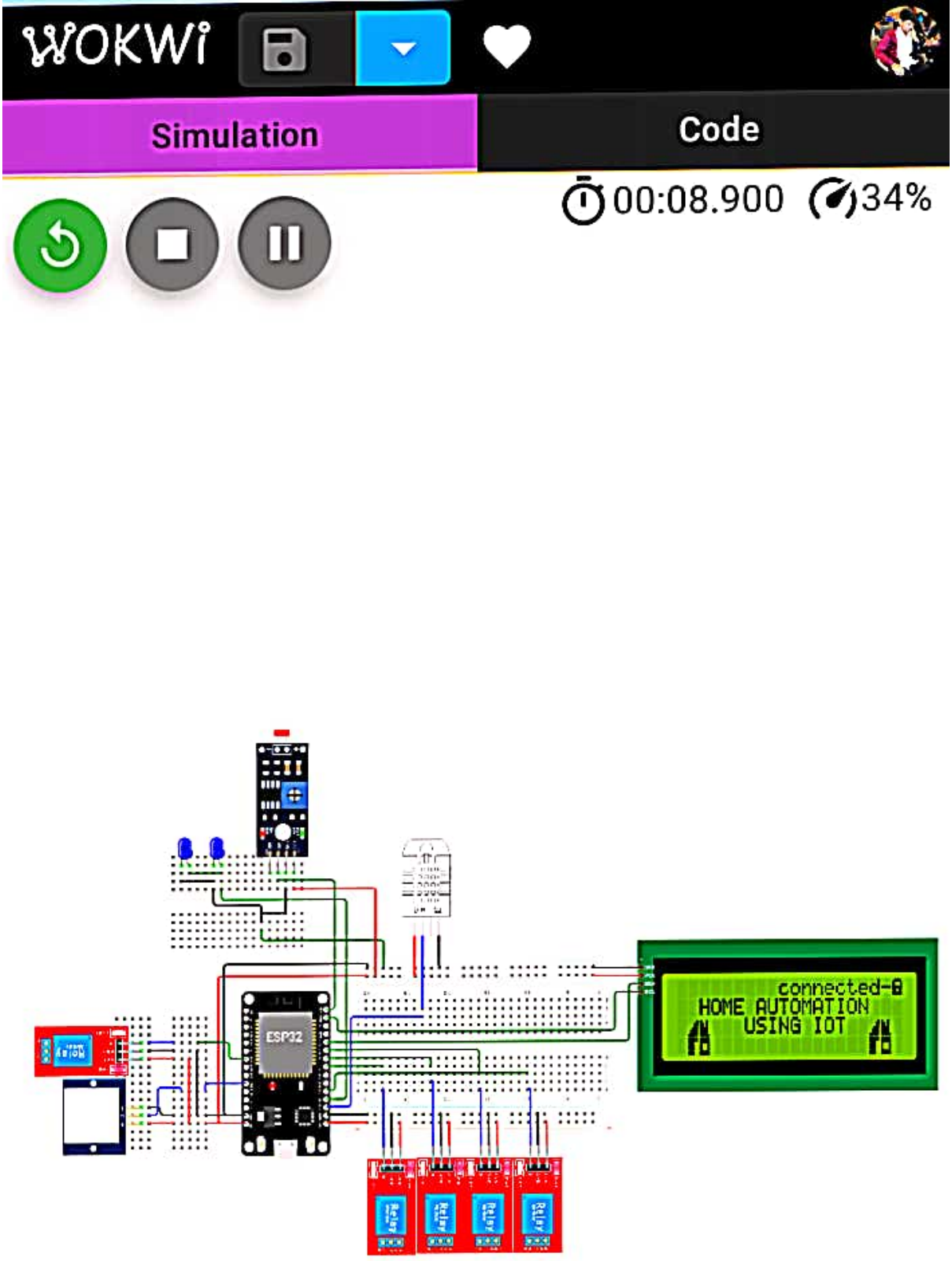

WOKWi
Simulation
Code
ESP32
Relay
Relay
Relay
Relay



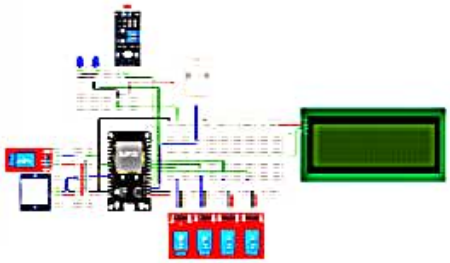

```
[1308] Connecting to blynk.cloud:80
[1568] Redirecting to
blr1.blynk.cloud:80
[1572] Connecting to blr1.blynk.cloud:80
```




```
[1308] Connecting to blynk.cloud:80
[1568] Redirecting to
blr1.blynk.cloud:80
[1572] Connecting to blr1.blynk.cloud:80
```

WOKWI SAVE SHARE Docs

sketch.ino | diagram.json | libraries.txt | Library Manager

Simulation

```
/*
TinkerCAD Circuit Design Contest - 2022
-----------------------------------------------

Project Name : Home Automation Using IOT

Components Used : Esp32, DHT22, Relay Module, I

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================================================

                                        Blynk Io

Blynk Credentials : (to access the dashboard)

        Mail Id : karthidon521@gmail.com
        Password: ******

================================================
*/
#define BLYNK_TEMPLATE_ID "TMPLgCeV0y1b"
#define BLYNK_DEVICE_NAME "Home"
#define BLYNK_AUTH_TOKEN "93h-1b23ewIQooDTdB2y2

#include <LiquidCrystal_I2C.h>
LiquidCrystal_I2C lcd(0x27, 20, 4);

#define BLYNK_PRINT Serial

#include <WiFi.h>
#include <WiFiClient.h>
#include <BlynkSimpleEsp32.h>
#include "DHTesp.h"


BlynkTimer timer;


char auth[] = BLYNK_AUTH_TOKEN;

char ssid[] = "Wokwi-GUEST";
char pass[] = "";
int val = 0, va1,va2,va3,va4,va5,ge, t =15 ;
float tmp,hum = 0;

int ledPin = 33;
int inputPin = 27;
int pirState,k;
int v = 0;


//temp symbol
byte t1[8]={B00000, B00001, B00010, B00100, B00
byte t2[8]={B00111, B00111, B00111, B01111,B111
byte t3[8]={B00000, B10000, B01011, B00100, B00
byte t4[8]={B11111, B11100, B11100, B11110,B111

//humidity symbol
byte hum1[8]={B00000, B00001, B00011, B00011,B0
byte hum2[8]={B11111, B11111, B11111, B01111,B0
byte hum3[8]={B00000, B10000, B11000, B11000, B
byte hum4[8]={B11111, B11111, B11111, B11110, B

//Home Symbol
byte house1[8]={B00000, B00001, B00011, B00011,
byte house2[8]={B11111, B11111, B11100, B11100,
byte house3[8]={B00000, B10010, B11010, B11010,
byte house4[8]={B11111, B11111, B11111, B10001,

byte d[8] = { 0b00011,0b00011,0b00000,0b00000,0

byte Lck[] = { B01110, B10001, B10001, B11111,



DHTesp temps;

BLYNK_WRITE(V0){
 va1 = param.asInt();
 digitalWrite(5, va1);

}
BLYNK_WRITE(V1){
 va2 = param.asInt();
 digitalWrite(18, va2);
}

BLYNK_WRITE(V2){
```