S. Ida sophia scudder

Assignment 2

95092O1O4O14

Simulation

VCC

ESP32

GND
VCC
SDA
SCL

DHT22

WOKWI [💾 SAVE] [▼] [➤ SHARE] ♥ **ESP32 -dht22.ino**
by urish

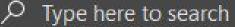[**ESP32 -dht22.ino** ●]   diagram.json ●   libraries.txt

Library Manager ▼
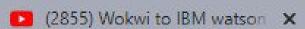
```
1    #include "DHTesp.h"
2    #include <Liquidcrystal_I2C.h>
3
4    #define I2C_ADDR 0*27
5    #define LCD_COLUMNS  16
6    #define  LCD_LINES 2
7
8    const int DHT_PIN = 15;
9
10   DHTesp dhtSensor;
11
12   LiquidCrystal_I2C lcd(I2C_ADDR, LCD_COLUMNS);
13
14   void setup() {
15     Serial.begin(115200);
16     dhtSensor.setup(DHT_PIN,DHTesp::detachInterrupt();)
17     lcd.init();
18     lcd.backlight();
19
20   }
21   void loop() {
22
23   }
24     TempAndHumidity dats =dhrSensor.getTempAndHumidity
25     Serial.println("Temp: "+string(data.temp));
26     Serial.print("Humidity: " +string(data.humidity));
27     Serial.println("---");
28
29
```

WOKWI   💾 SAVE   ▾   ➤ SHARE   ♥   **ESP32 -dht22.**
                                              by urish

ESP32 -dht22.ino ●   diagram.json ●   libraries.txt

Library Manager   ▾

```
22
23    }
24      TempAndHumidity dats =dhrSensor.getTempAndHumidity
25      Serial.println("Temp: "+string(data.temp));
26      Serial.print("Humidity: " +string(data.humidity));
27      Serial.println("---");
28
29
30      lcd.setCursor(0, 0);
31      lcd.print("Temp: "+String(data.Temp));
32      lcd.setCursor(0, 1);
33      lcd.print("Humidity: "+string(data.humidity));
34      lcd.print("Wokwi online IOT");
35
36
37       delay(1000);
38    }
39
```