#define BLYNK\_PRINT Serial

#include <SPI.h>

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

#include <DHT.h>

#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

char auth[] = "RoU-l-dHLk6-JfANUH6\_1rYUA9L3NF-v";

char ssid[] = "2020";

char pass[] = "nuqa4450";

#define DHTPIN D3

#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

LiquidCrystal\_I2C lcd(0x27, 16, 2);

void setup() {

Serial.begin(9600);

Blynk.begin(auth, ssid, pass);

lcd.init();

lcd.backlight();

dht.begin();

lcd.begin(16, 2);

}

void loop() {

lcd.backlight();

lcd.setCursor(0, 0);

lcd.print("Temp:");

lcd.setCursor(11, 0);

lcd.print("C");

lcd.setCursor(0, 1);

lcd.print("Humi:");

lcd.setCursor(11, 1);

lcd.print("%");

Sensor();

Blynk.run();

}

void Sensor() {

float h = dht.readHumidity();

float t = dht.readTemperature();

if (isnan(h) || isnan(t)) {

Serial.println("Failed to read from DHT sensor!");

return;

}

Blynk.virtualWrite(V5, h);

Blynk.virtualWrite(V6, t);

lcd.setCursor(5, 0);

lcd.print(t);

lcd.setCursor(5, 1);

lcd.print(h);

delay(1000);

}