```
#include <WiFiManager.h> // https://github.com/tzapu/WiFiManager
#include <BlynkSimpleEsp8266.h>
#include <DHT22.h>

// You should get Auth Token in the Blynk App.
// Go to the Project Settings (nut icon).
#define Authorization_key "BpIstNDFhwdglg71llYOlHah9VD1ex6P"

#define data D4
DHT22 dht22(data);
int LEDWiFi = 16;
bool res;

void setup() {
  pinMode(LEDWiFi,OUTPUT);
  pinMode(D5,INPUT);
  if(digitalRead(D5)==0) {
    ESP.eraseConfig();
    Serial.println("[INFO] WiFi credentials are erased.");
  }

  Serial.begin(115200);
  WiFiManager wm;
  wm.setConfigPortalTimeout(60);
// res = wm.autoConnect(); // auto generated AP name from chipid
  res = wm.autoConnect("BlynkTest123"); // anonymous ap
//res = wm.autoConnect("AutoConnectAP","password"); // password protected ap

  if(!res) {
```

```
    Serial.println("Failed to connect");
  // while (WiFi.status() != WL_CONNECTED) {digitalWrite(LEDWiFi,HIGH);
  //     delay(500);
  //     digitalWrite(LEDWiFi,LOW);
  //     delay(500);}
  }
  else {
    Serial.println("connected...yeey :)");
  }
  Blynk.config(Authorization_key, "blynk2.iot-cm.com", 8080);
  Blynk.connect();
  Blynk.syncAll();
}

void loop() {
  Blynk.run();
  if (WiFi.status() != WL_CONNECTED) {
    // LED Button
    digitalWrite(LEDWiFi,HIGH);
    delay(500);
    digitalWrite(LEDWiFi,LOW);
    delay(500);
  }
  else{
    digitalWrite(LEDWiFi,LOW);
  }

  Serial.println(dht22.debug()); //optionnal
  float t = dht22.getTemperature();
```

```
  float h = dht22.getHumidity();
  if(dht22.getLastError() != dht22.OK){
    Serial.print("last error: ");
    Serial.print(dht22.getLastError());
  }
  Blynk.virtualWrite(V0, t);
  Blynk.virtualWrite(V1, h);
  Serial.print("h=");Serial.print(h,1);Serial.print("\t");
  Serial.print("t=");Serial.println(t,1);
  delay(1000);
// put your main code here, to run repeatedly:
}
```