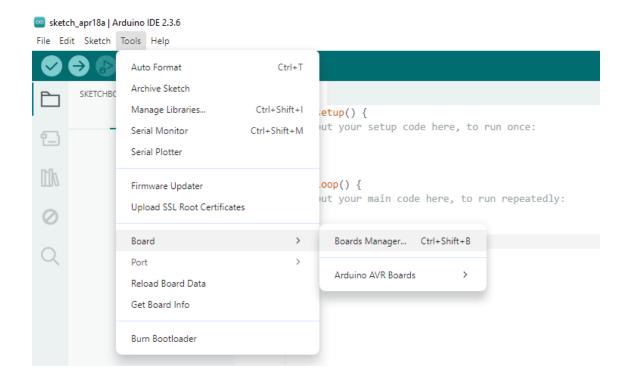
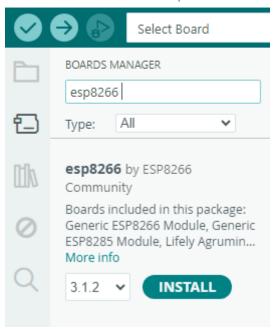


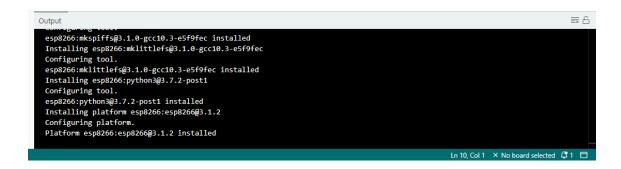
## http://arduino.esp8266.com/stable/package\_esp8266com\_index.json

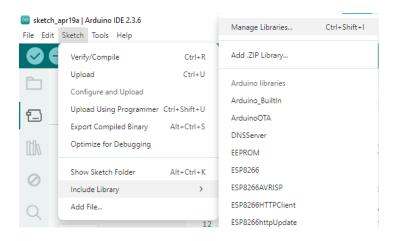


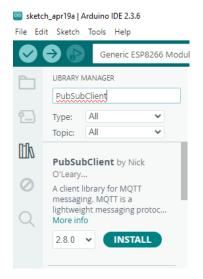
## sketch\_apr18a | Arduino IDE 2.3.6

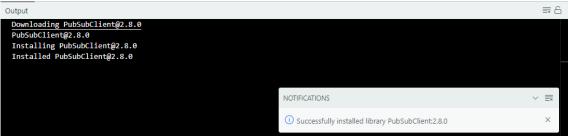
File Edit Sketch Tools Help

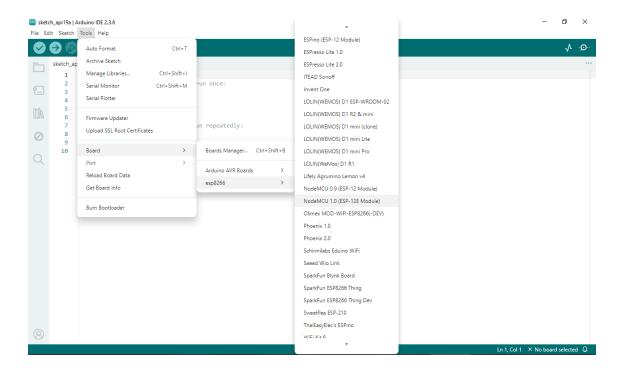


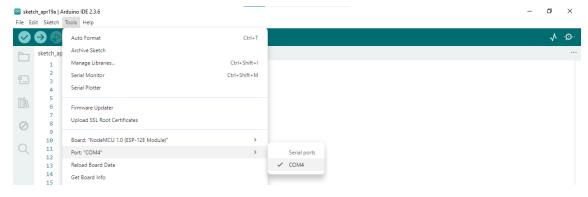




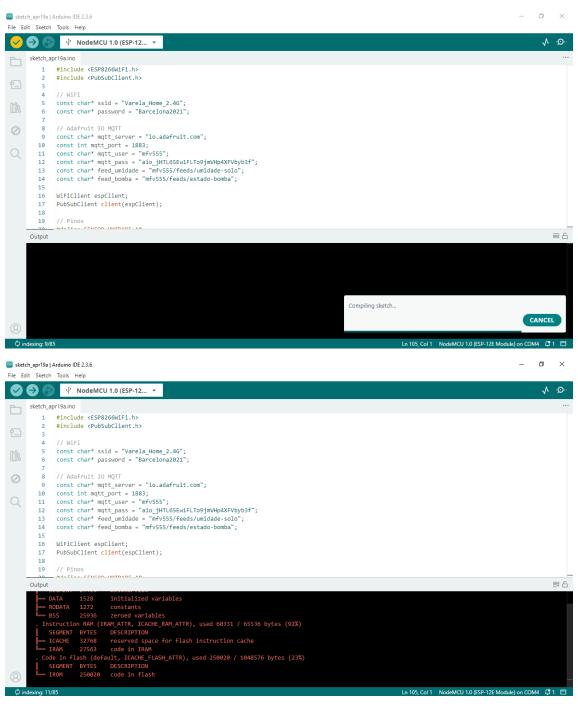








## Verificação do código:



## Upload

```
o ×
sketch_apr19a | Arduino IDE 2.3.6
File Edit Sketch Tools Help
                                    ∜ NodeMCU 1.0 (ESP-12...
                sketch_apr19a.ino
                                #include <ESP8266WiFi.h>
#include <PubSubClient.h>
  // WiFi
const char* ssid = "Varela_Home_2.4G";
const char* password = "Barcelona2021";
  // Adafruit IO MQTT

const char* mqtt_server = "io.adafruit.com";

const int mqtt_port = 1883;

const char* mqtt_user = "mfv555";

const char* mqtt_uses = "aio_jHTL65Ev1FLTo9jmVHp4XFVbyb3f";

const char* feed_umidade = "mfv555/feeds/umidade-solo";

const char* feed_bomba = "mfv555/feeds/estado-bomba";
   0
                                WiFiClient espClient;
PubSubClient client(espClient);
                                // Pinos
                                                                                                                                                                                                                                                                                                                                                                            ≡ 6
                  Writing at 0x00003800... (23 %)
Writing at 0x00004800... (23 %)
Writing at 0x00001000... (38 %)
Writing at 0x00010000... (46 %)
Writing at 0x00011000... (46 %)
Writing at 0x00012000... (51 %)
Writing at 0x00012000... (59 %)
Writing at 0x00020000... (59 %)
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Writing at 0x00020000... (58 %)
Writing at 0x00020000... (59 %)
Writing at 0x00020000... (59 %)
Writing at 0x00020000... (59 %)
                                                                                                                                                                                                                                    Uploading...
sketch_apr19a | Arduino IDE 2.3.6
                                                                                                                                                                                                                                                                                                                                                                   ø
File Edit Sketch Tools Help
 setup_wifi();
client.setServer(mqtt_server, mqtt_port);
client.setCallback(callback);
  void loop() {
  if (!client.connected()) {
    | reconnect();
   0
                     79
80
81
82
                                     client.loop();
                                     int valor_umidade = analogRead(SENSOR_UMIDADE);
                     83
84
85
86
                                     Serial.print("Umidade: ");
Serial.println(valor_umidade);
                     87
                                      // Publica umidade no Adafruit IO
                                     // Publica umlade no Adarruit 10
char buffer[10];
snprintf(buffer, sizeof(buffer), "%d", valor_umidade);
client.publish(feed_umidade, buffer);
                                                                                                                                                                                                                                                                                                                                                                             ≡ 6
               Output
                  Writing at 0x00023000... (69 %)
Writing at 0x00023000... (69 %)
Writing at 0x00023000... (76 %)
Writing at 0x000230000... (84 %)
Writing at 0x00030000... (100 %)
Writing at 0x00030000... (100 %)
Wrote 284528 bytes (200605 compressed) at 0x00000000 in 19.4 seconds (effective 117.6 kbit, Hash of data verified.
                                                                                                                                                                                                                                     NOTIFICATIONS
                                                                                                                                                                                                                                     i) Done uploading.
                  Leaving...
Hard resetting via RTS pin...
                                                                                                                                                                                                                                   Oone compiling.
```

