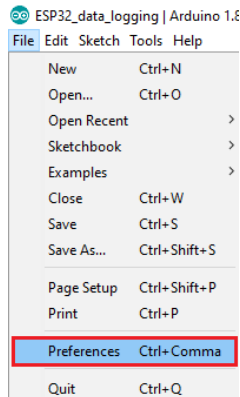


Algorithm Operations

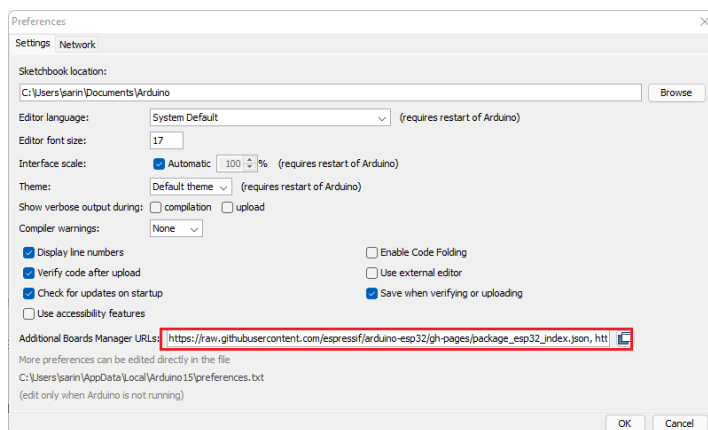
1-In your Arduino IDE, go to **File> Preferences**



2-Enter the following into the “Additional Board Manager URLs” field:

```
https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json,  
http://arduino.esp8266.com/stable/package_esp8266com_index.json
```

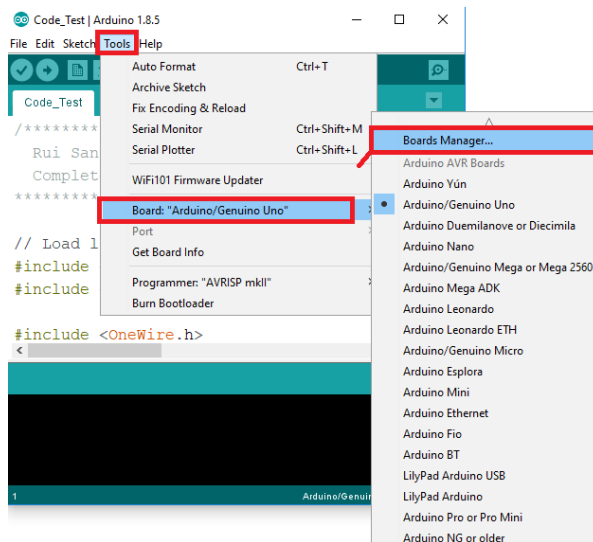
Then, click the “OK” button:



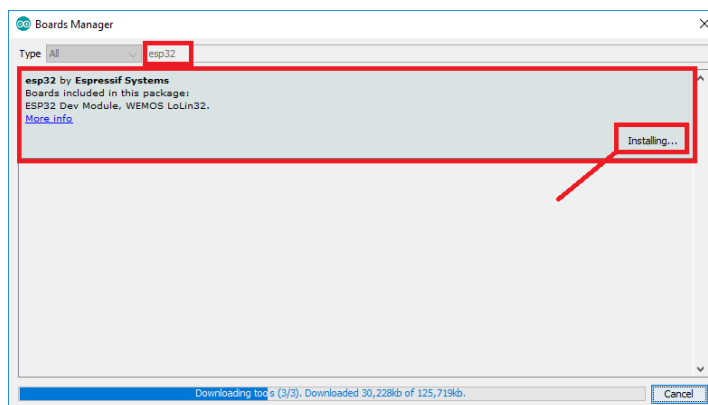
Note: if you already have the ESP8266 boards URL, you can separate the URLs with a comma as follows:

https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json,
http://arduino.esp8266.com/stable/package_esp8266com_index.json

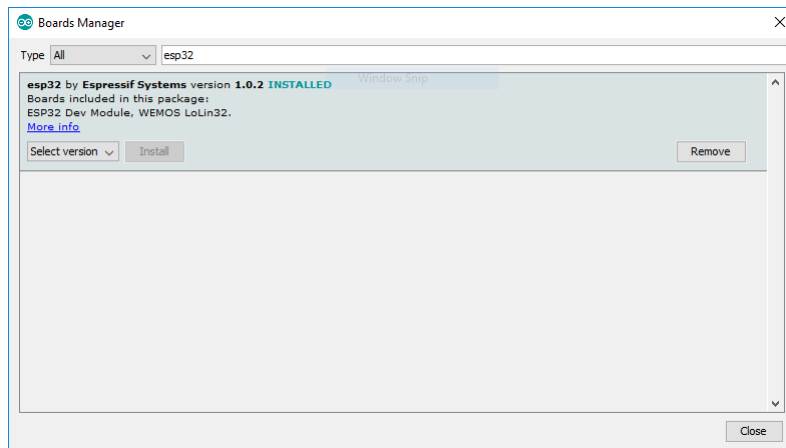
3-Open the Boards Manager. Go to **Tools > Board > Boards Manager...**



4-Search for **ESP32** and press install button for the “**ESP32 by Espressif Systems**”:

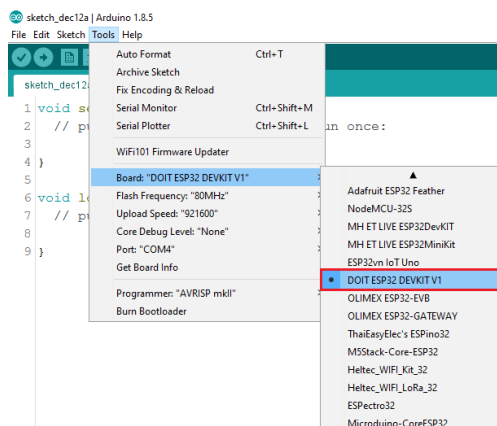


5-That's it. It should be installed after a few seconds.

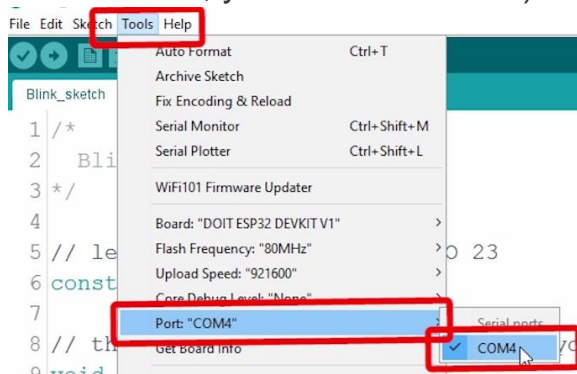


Testing the Installation

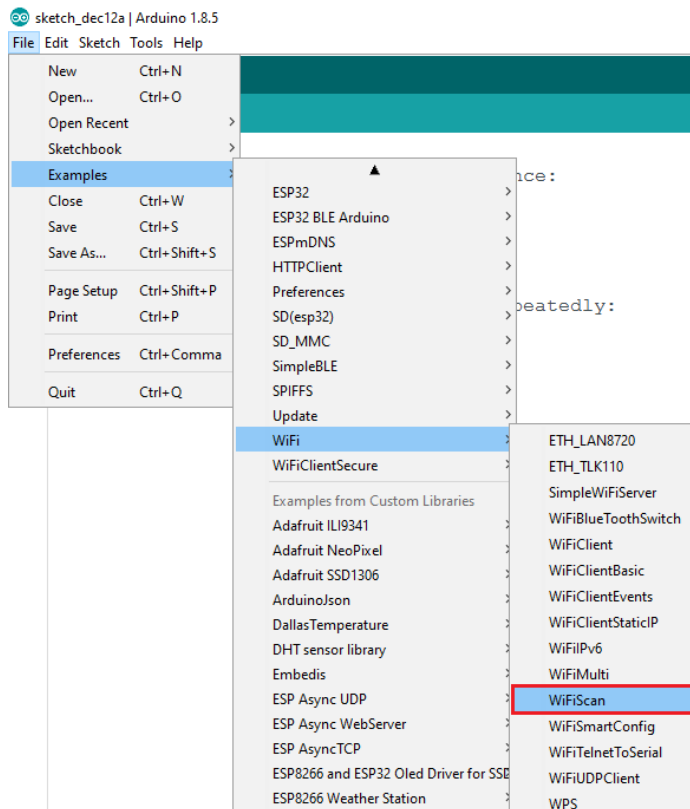
1. Select your Board in **Tools > Board** menu (in my case it's the **DOIT ESP32 DEVKIT V1**)



2. Select the Port (if you don't see the COM Port in your Arduino IDE, you need to install)

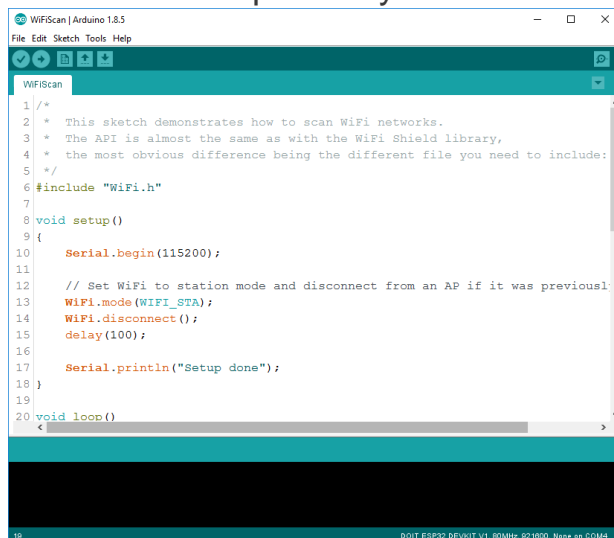


- 3-Open the following example under **File > Examples > WiFi (ESP32) > WiFiScan**



3-Open the following example under **File > Examples > WiFi (ESP32) > WiFiScan**

4. A new sketch opens in your Arduino IDE:



5. Press the **Upload** button in the Arduino IDE. Wait a few seconds while the code compiles and uploads to your board.

6. If everything went as expected, you should see a “**Done uploading.**” message.