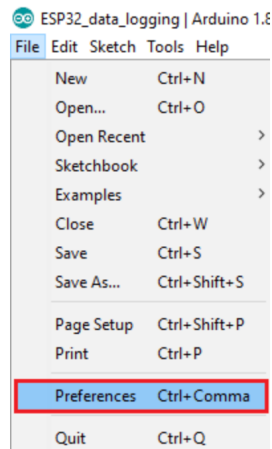


Writing a wisdom ESP32 operating algorithm:

First, step Arduino IDE Installed

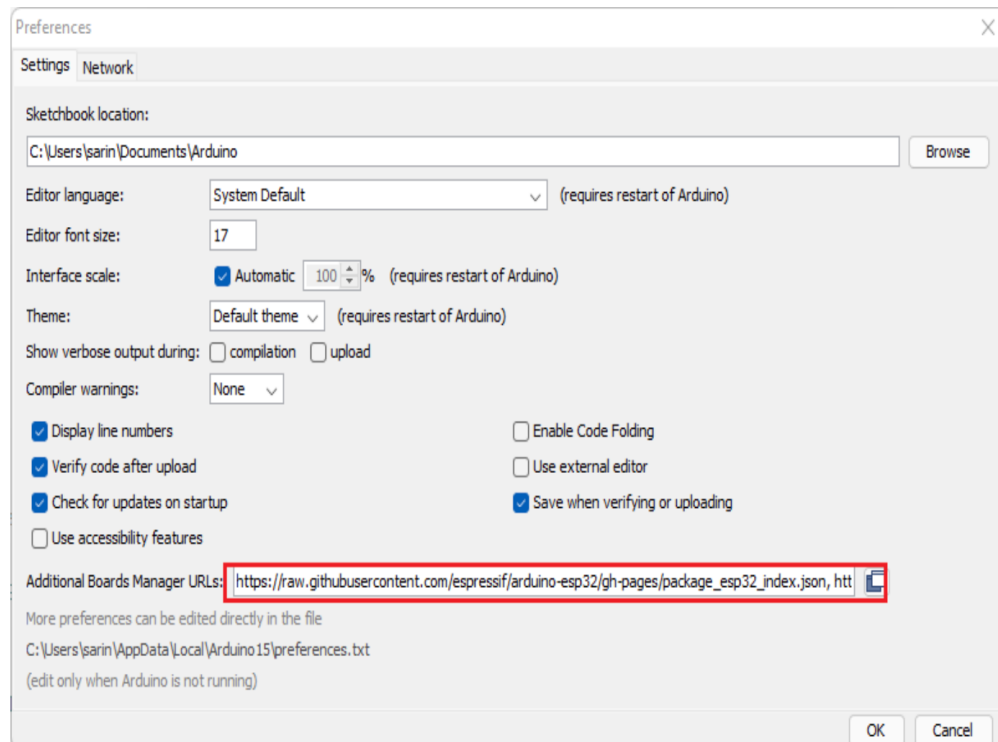
To install the ESP32 board in your Arduino IDE, follow these next instructions

1. In your Arduino IDE, go to File> Preferences

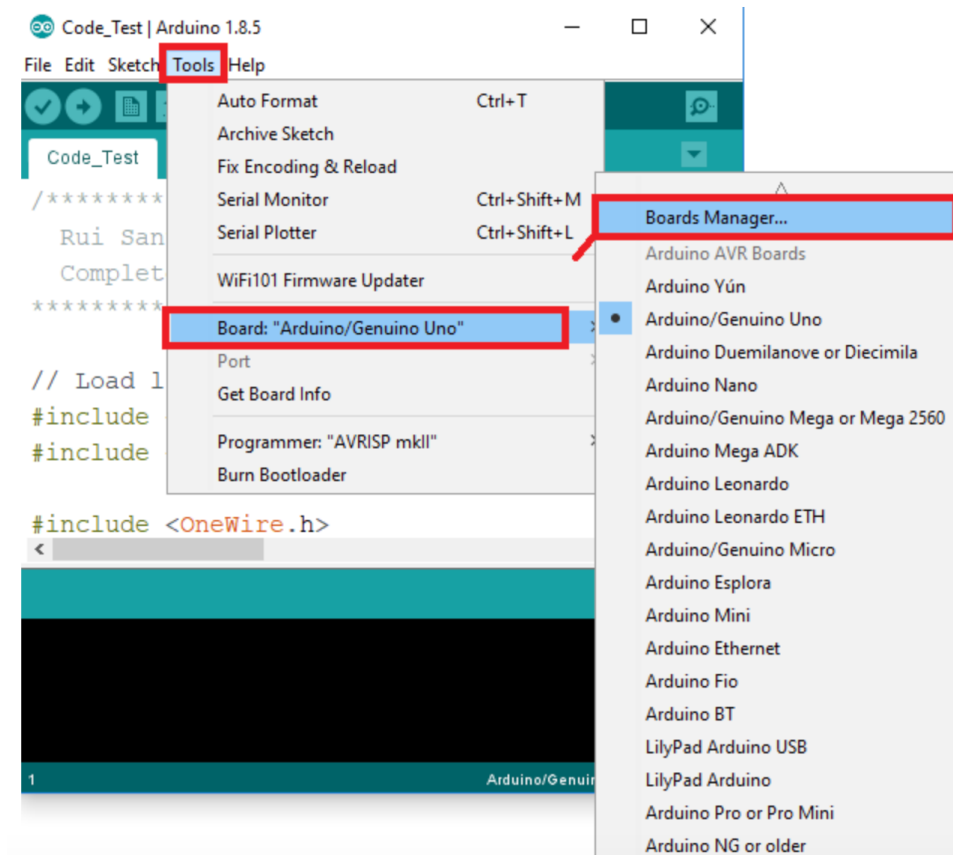


2. Enter the following into the “Additional Board Manager URLs” field:
3. https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json

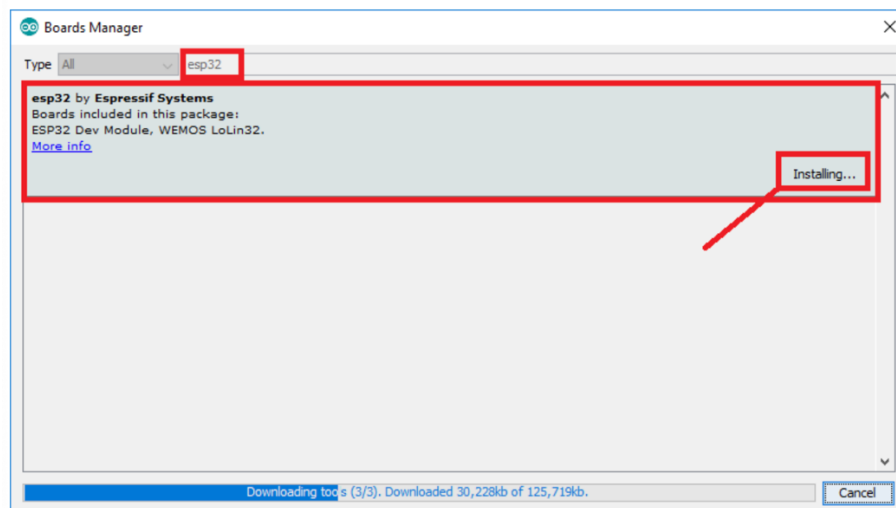
Then, click the “OK” button:



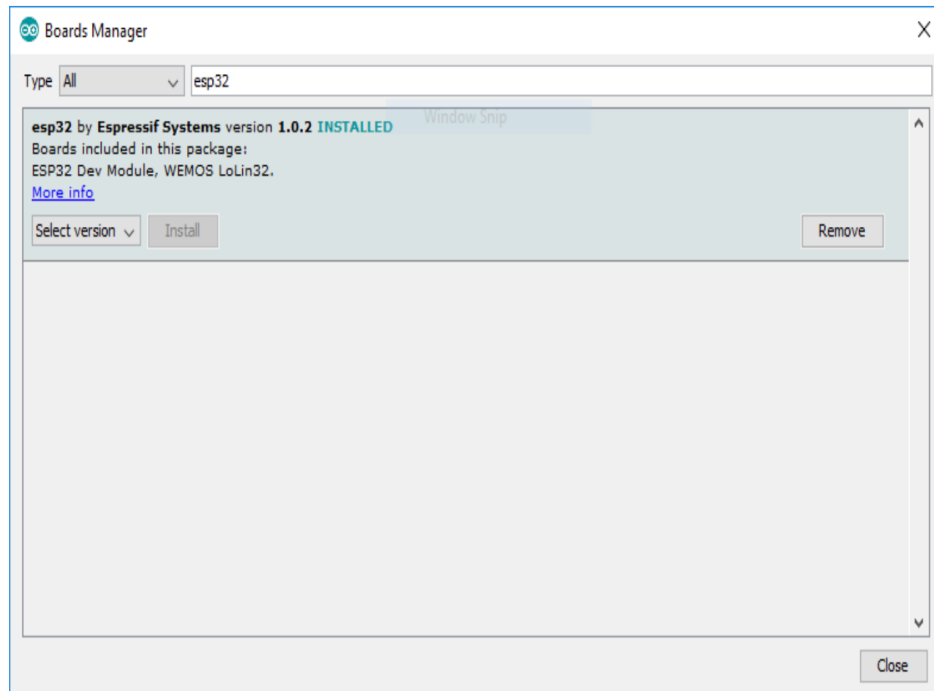
3. Open the Boards Manager. Go to Tools > Board > Boards Manager...



4. Search for ESP32 and press install button for the "ESP32 by Espressif Systems":



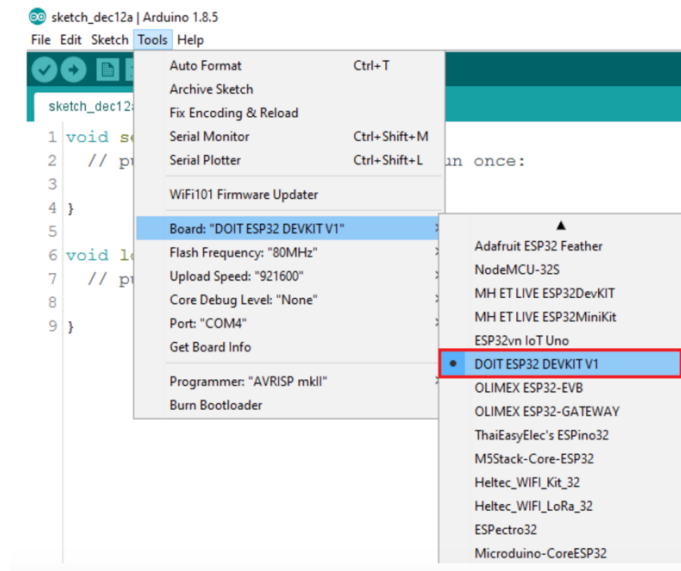
5. That's it. It should be installed after a few seconds



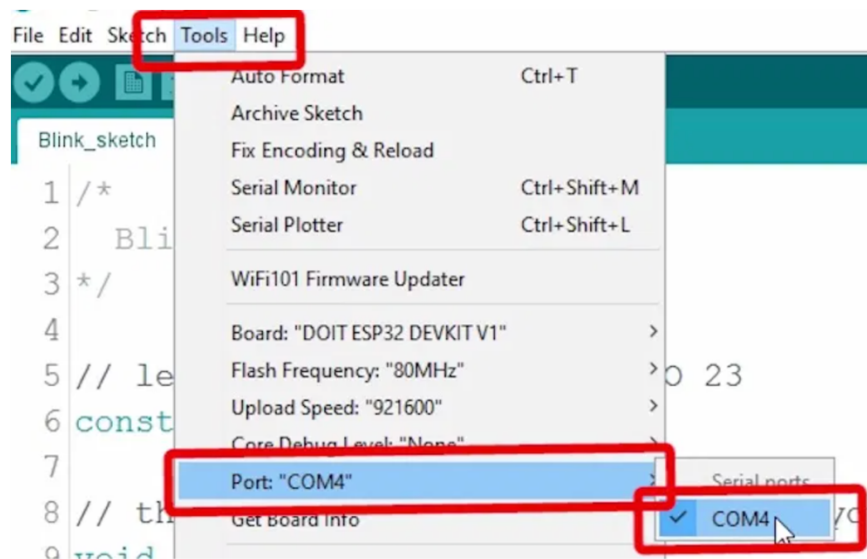
Testing the Installation

Plug the ESP32 board to your computer. With your Arduino IDE open, follow these steps:

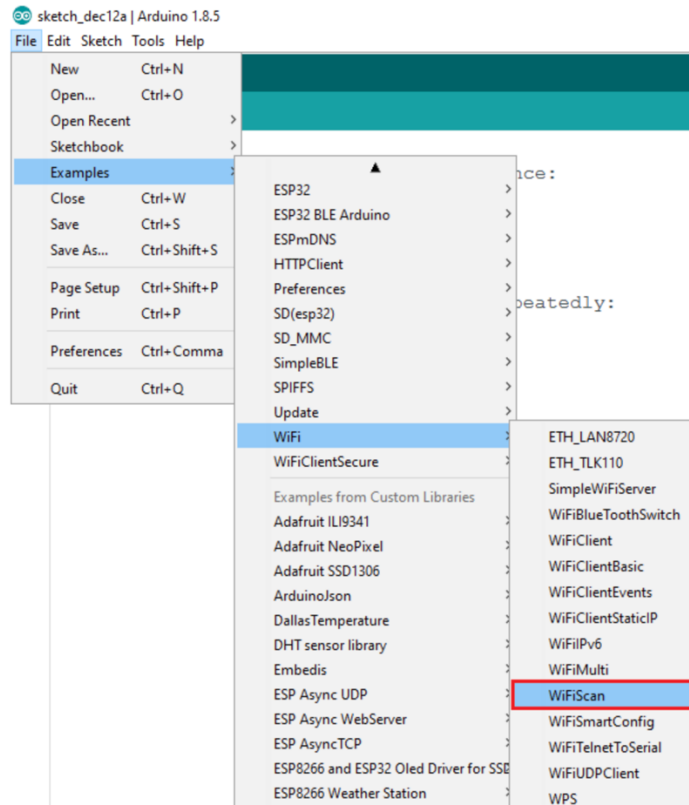
1. Select your Board in Tools > Board menu (in my case it's the DOIT ESP32 DEVKIT V1)



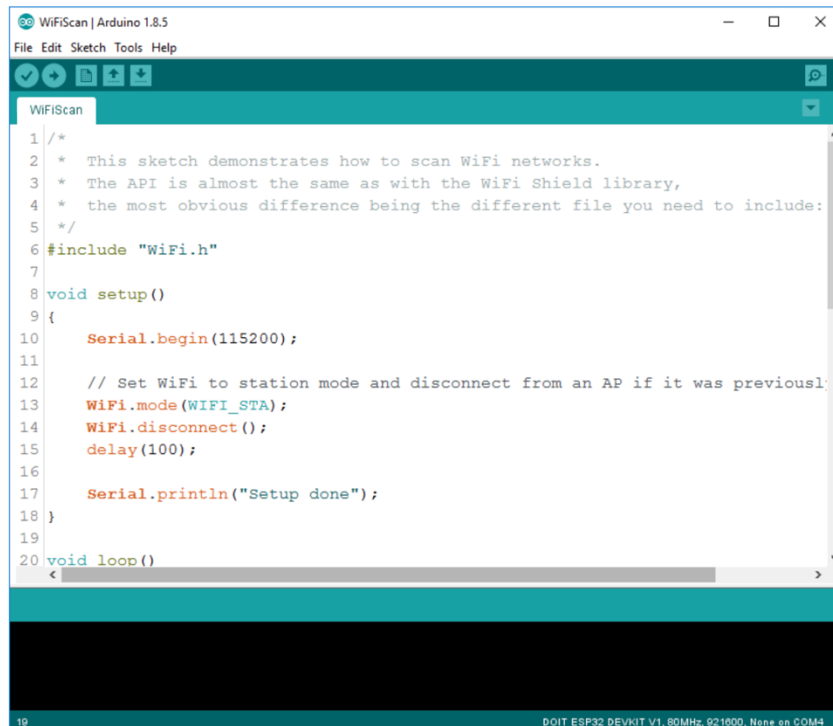
2. Select the Port (if you don't see the COM Port in your Arduino IDE, you need to install the [CP210x USB to UART Bridge VCP Drivers](#)):



2. Open the following example under File > Examples > WiFi (ESP32) > WiFiScan



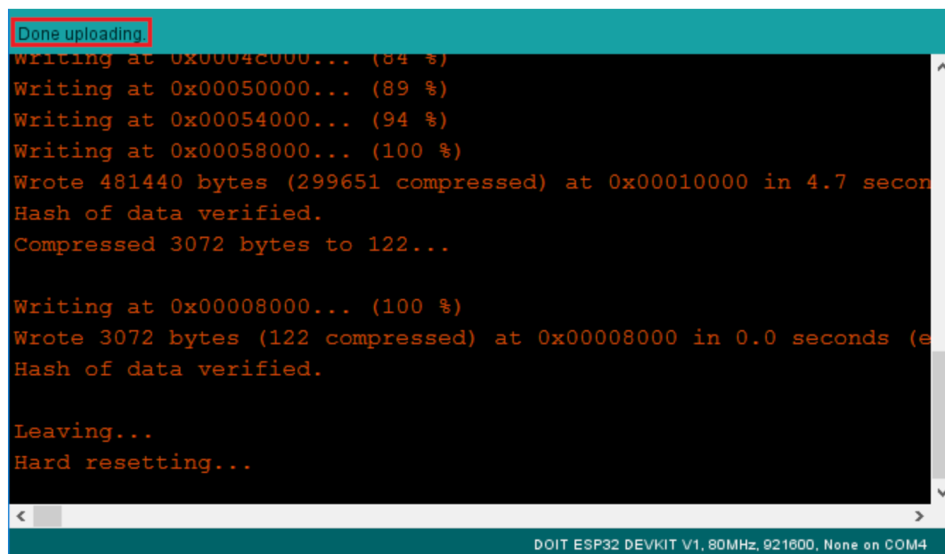
4. A new sketch opens in your Arduino IDE:



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.

A screenshot of the Arduino IDE Serial Monitor window. The window has a black background with orange text. The text shows the progress of an upload, including writing to memory, verifying the hash, and compressing data. The message "Done uploading." is highlighted with a red box at the top. The status bar at the bottom indicates the board is "DOIT ESP32 DEVKIT V1, 80MHz, 921600, None on COM4".

```
Done uploading.
Writing at 0x0004c000... (84 %)
Writing at 0x00050000... (89 %)
Writing at 0x00054000... (94 %)
Writing at 0x00058000... (100 %)
Wrote 481440 bytes (299651 compressed) at 0x00010000 in 4.7 seconds
Hash of data verified.
Compressed 3072 bytes to 122...

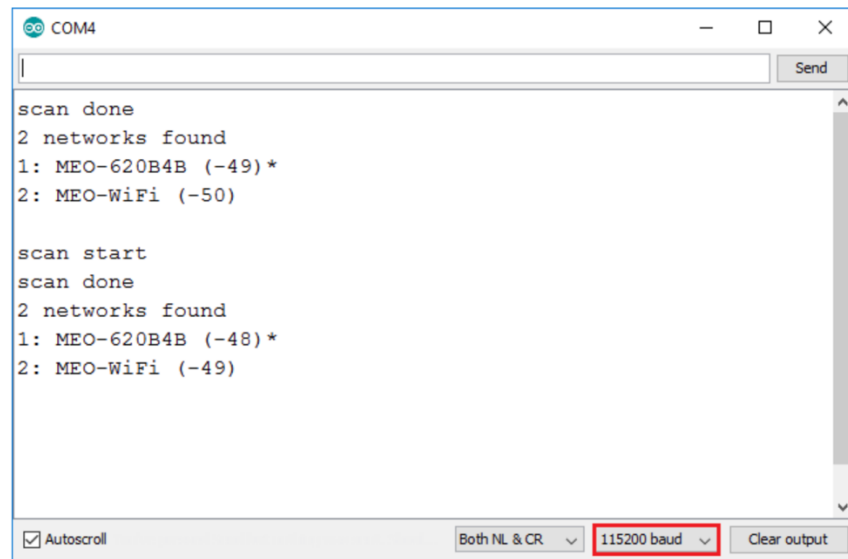
Writing at 0x00008000... (100 %)
Wrote 3072 bytes (122 compressed) at 0x00008000 in 0.0 seconds (effective 115200 bps)
Hash of data verified.

Leaving...
Hard resetting...
```

7. Open the Arduino IDE Serial Monitor at a baud rate of 115200:



8. Press the ESP32 on-board **Enable** button and you should see the networks available near your ESP32:



```
COM4
|
Send

scan done
2 networks found
1: MEO-620B4B (-49)*
2: MEO-WiFi (-50)

scan start
scan done
2 networks found
1: MEO-620B4B (-48)*
2: MEO-WiFi (-49)
```

☒ Autoscroll Both NL & CR 115200 baud Clear output

That's it. Your ESP32 should have the new sketch running.