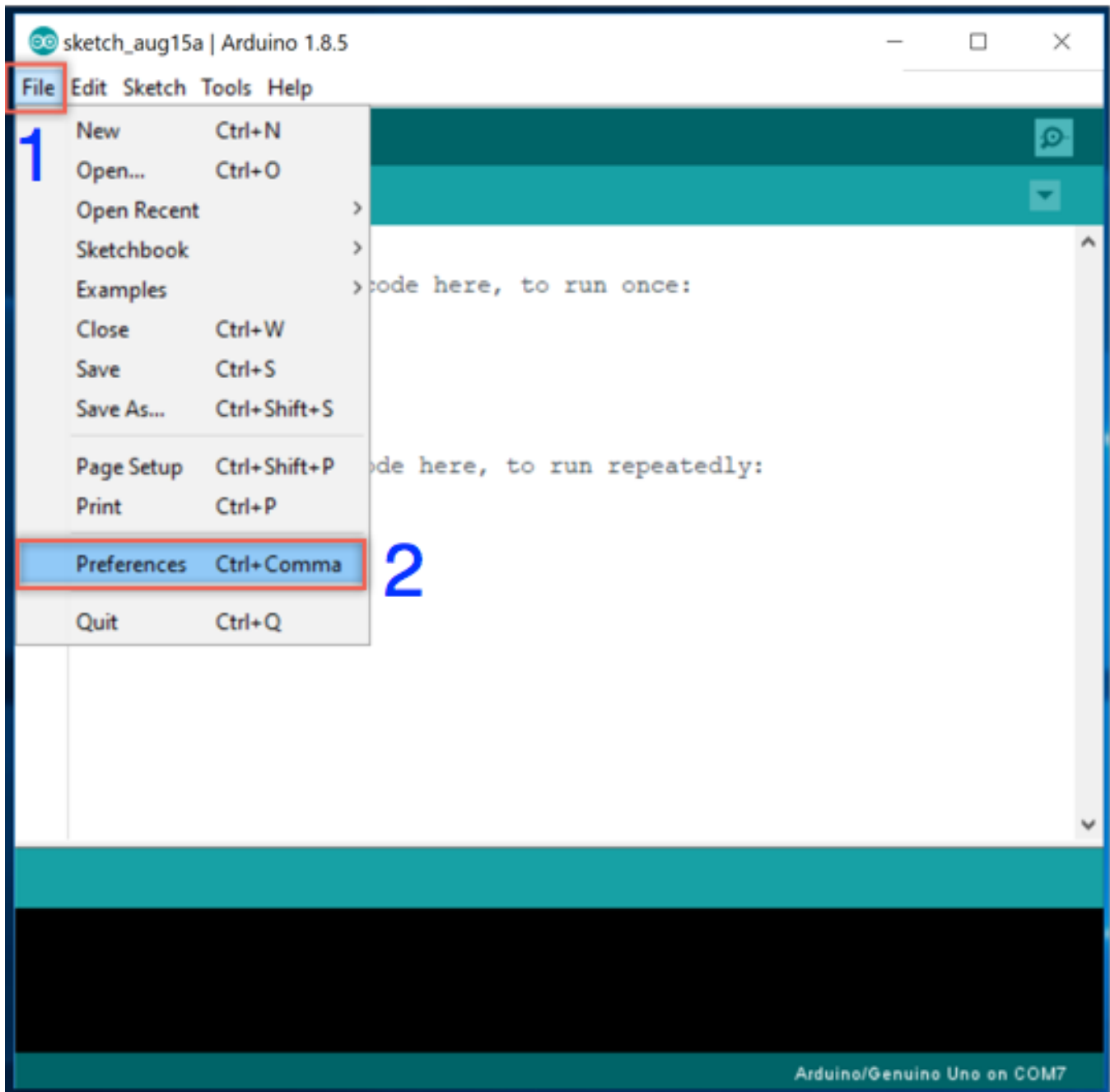# Tutorial 1– Steps to Program NodeMCU V2 on Arduino IDE
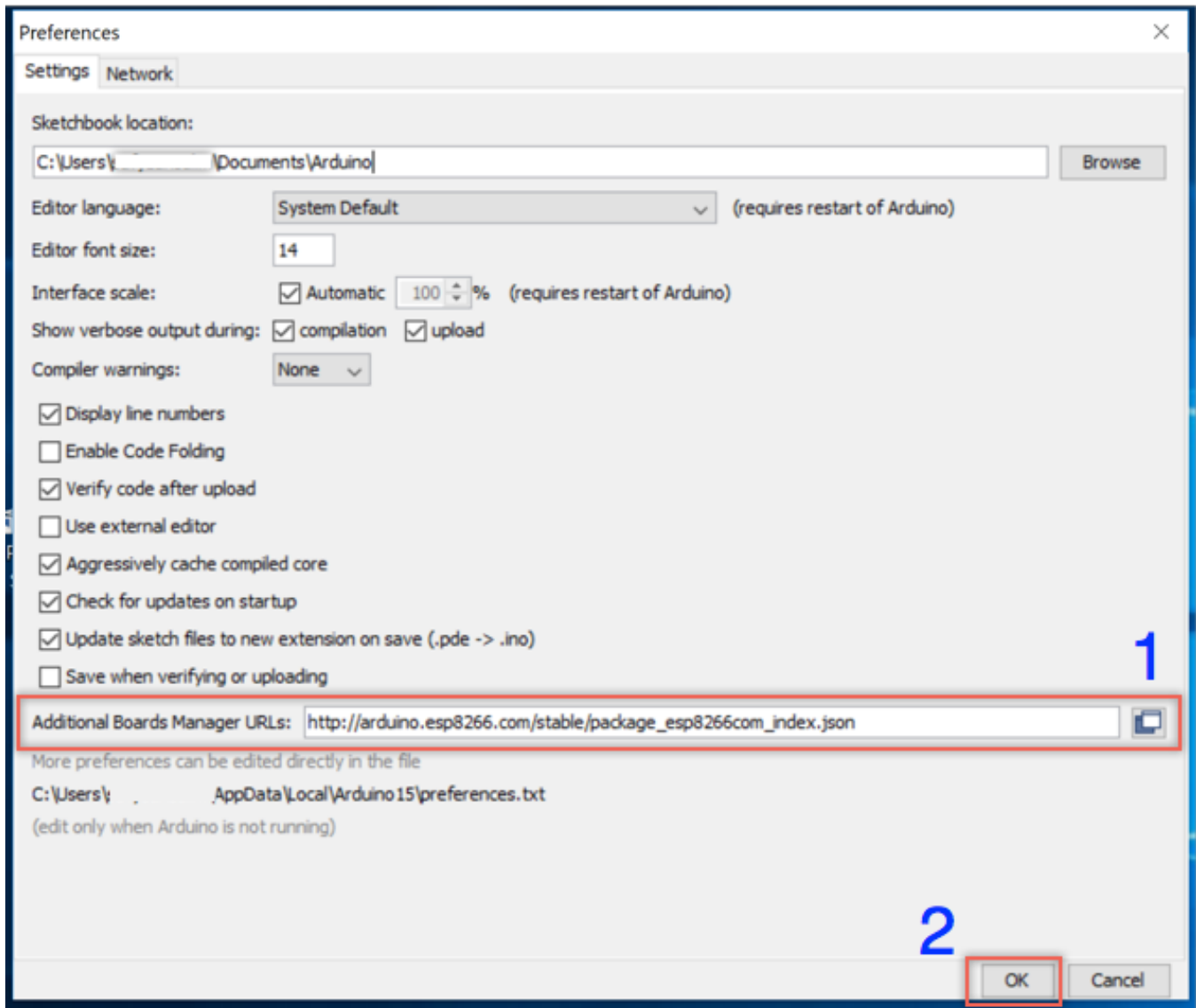
Step 1: Open the Preferences tab

File > **Preferences**

Step 2: Adding ESP8266 Board Managed
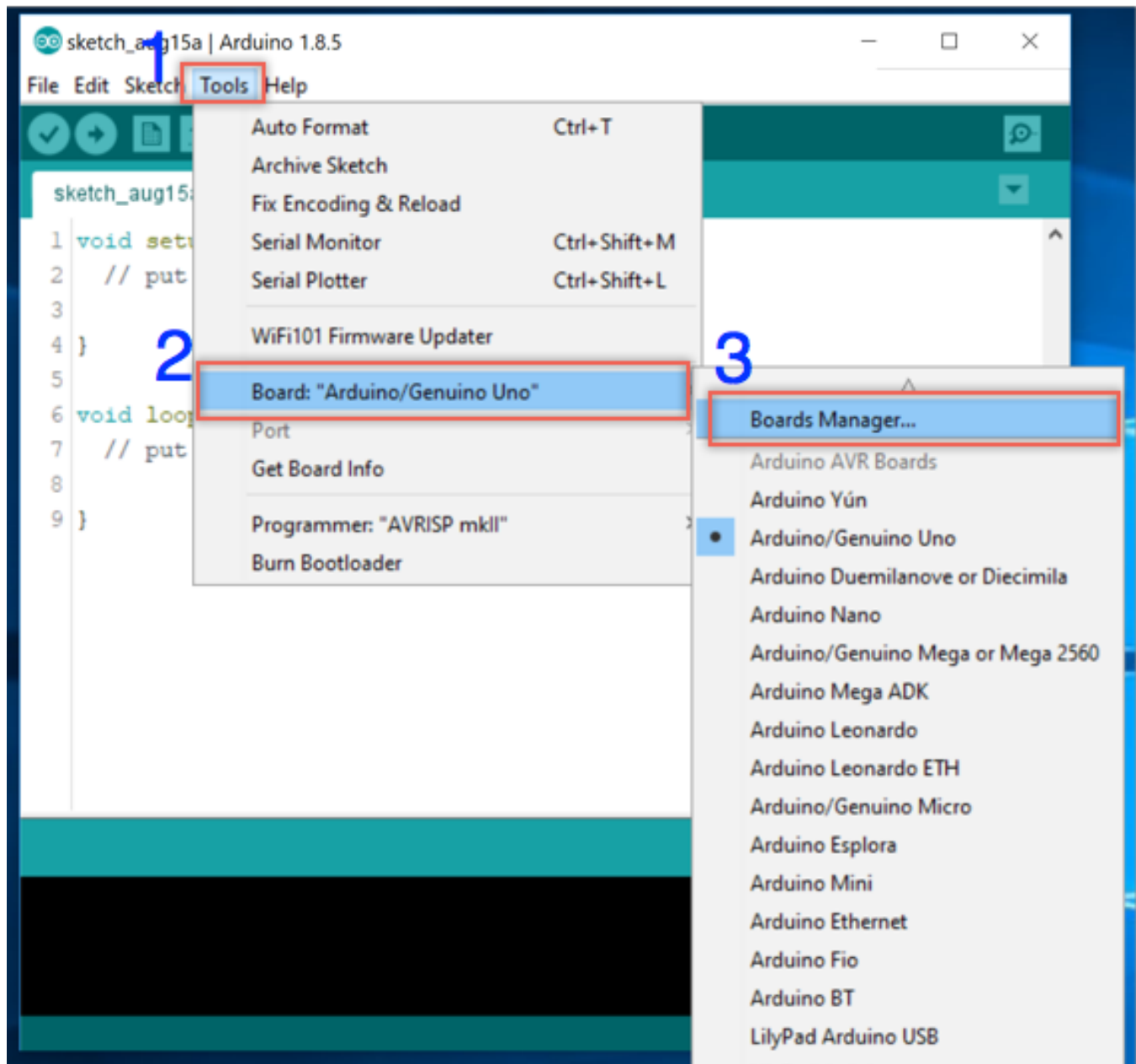
File > **Preferences**

In the Additional Boards Manager enter below URL.
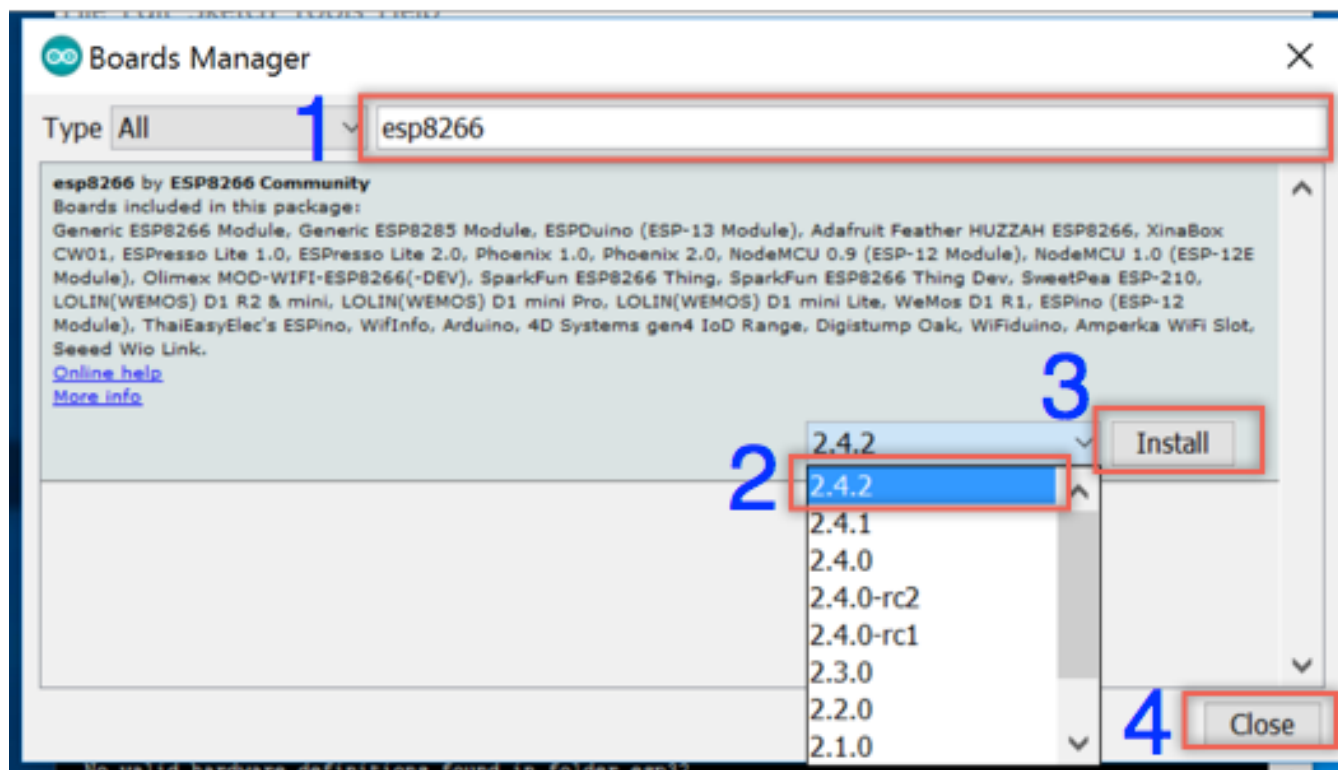**http://arduino.esp8266.com/stable/package_esp8266com_index.json**
As highlighted in the figure and enter OK.

Step 3: Selecting Board

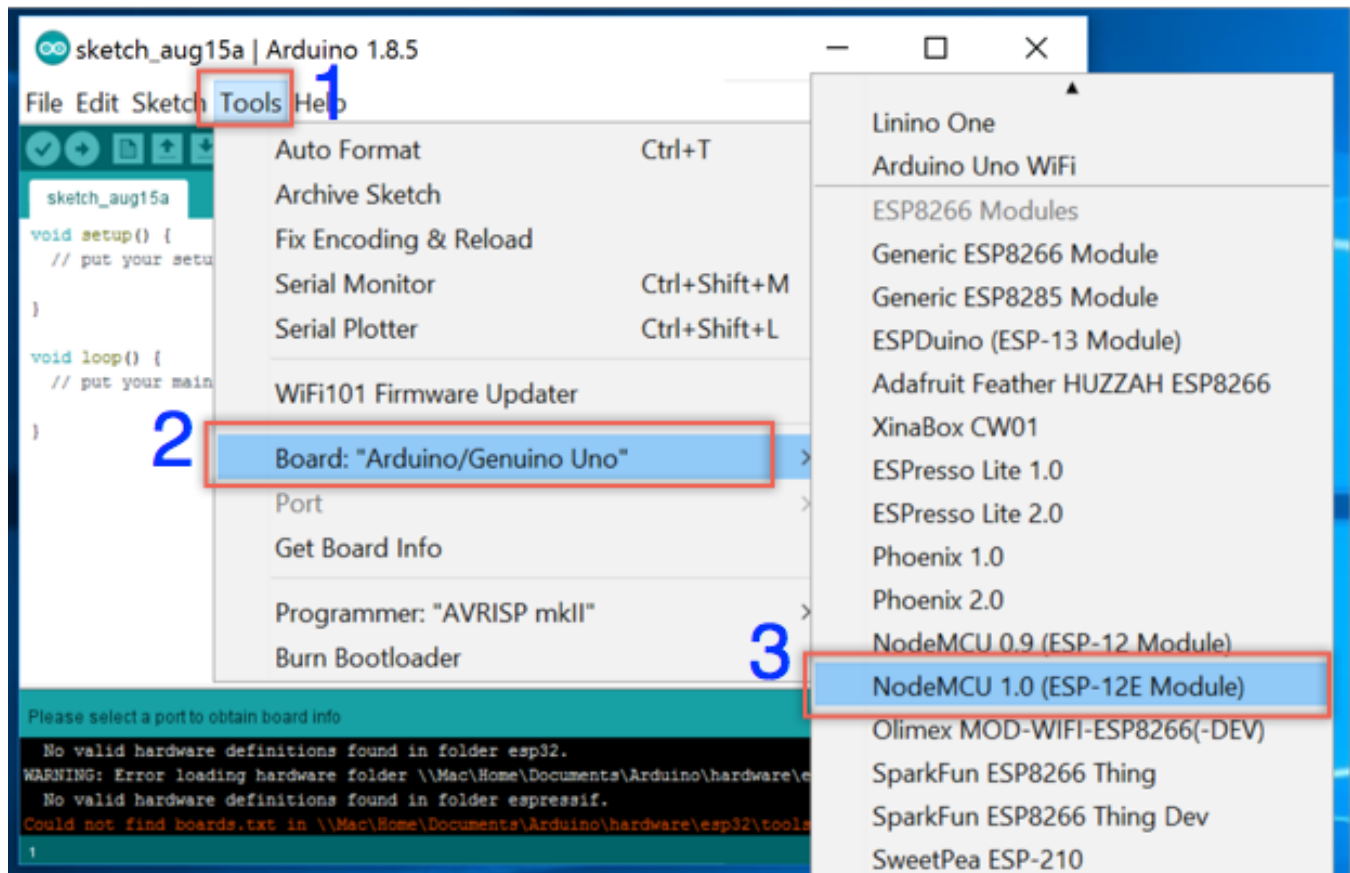**Tools** > **Board > Boards Manager**

Step 4: ESP8266 Board Package

Search for **esp8266**. Select the **latest version**. Click **Install** and then click **Close**.
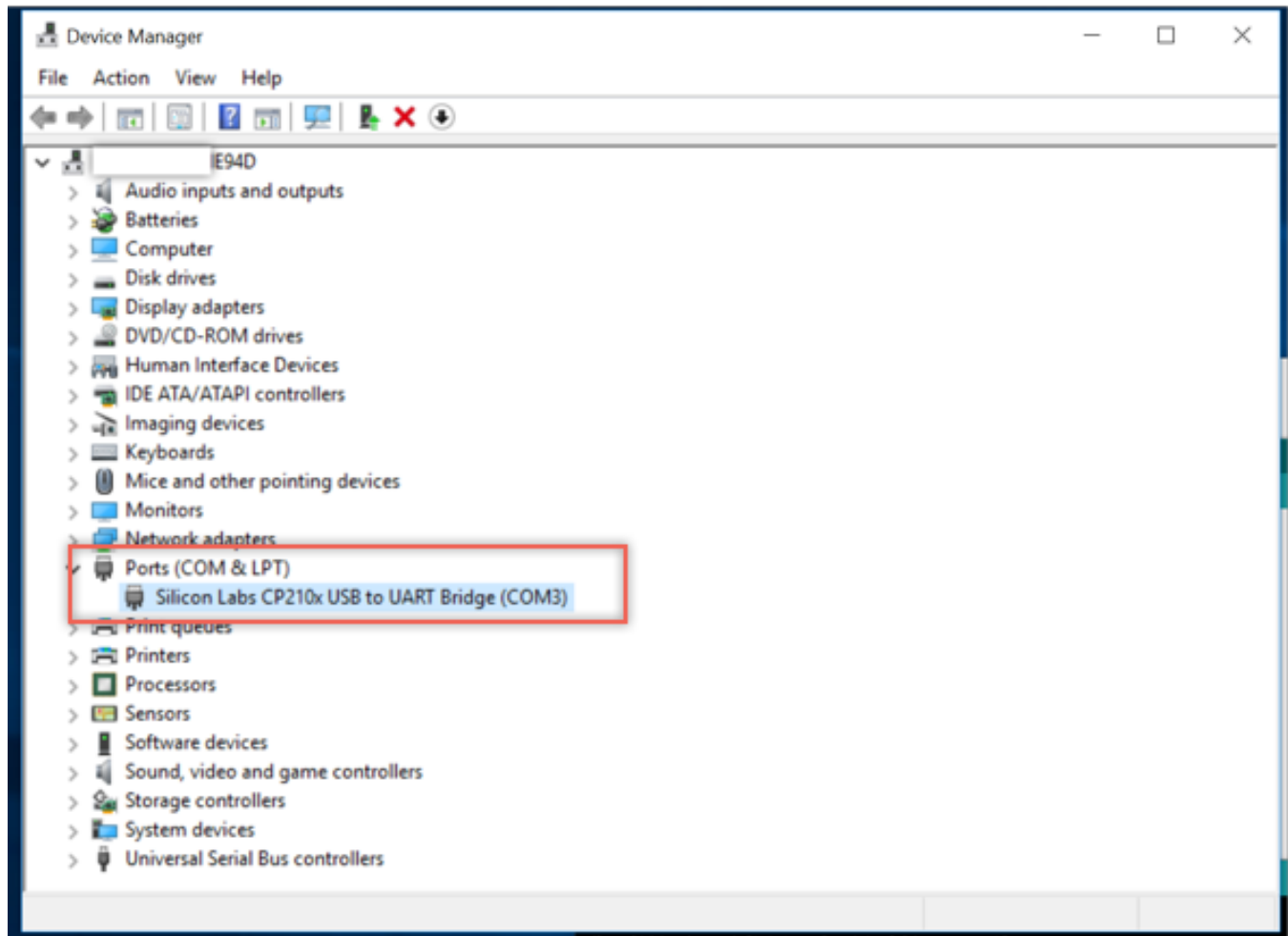
Step 5: Selecting NodeMCU Board

Tools > **Board > NodeMCU 1.0 (ESP-12E Module)**
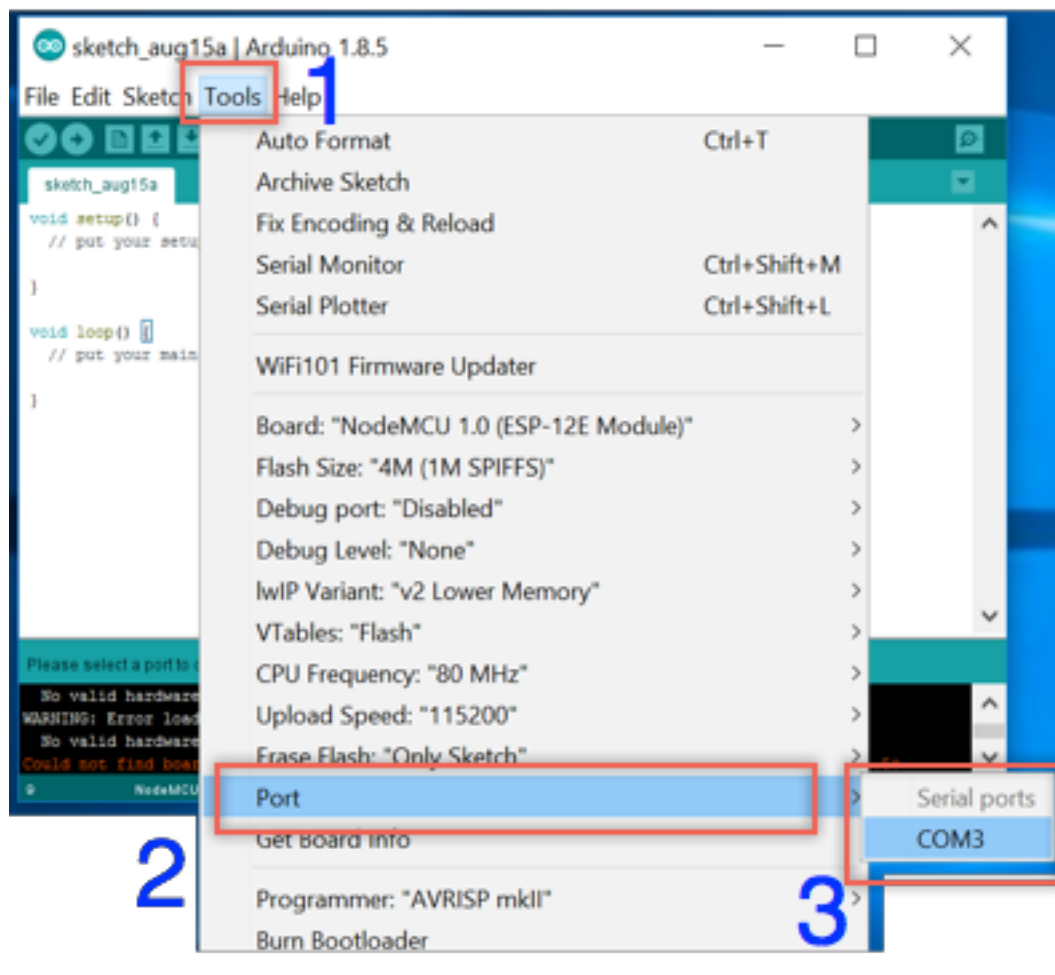
Step 6: Connecting NodeMCU to PC/Notebook

Tools > **Board > NodeMCU 1.0 (ESP-12E Module)**

Connect the NodeMCU module to your computer through USB cable.
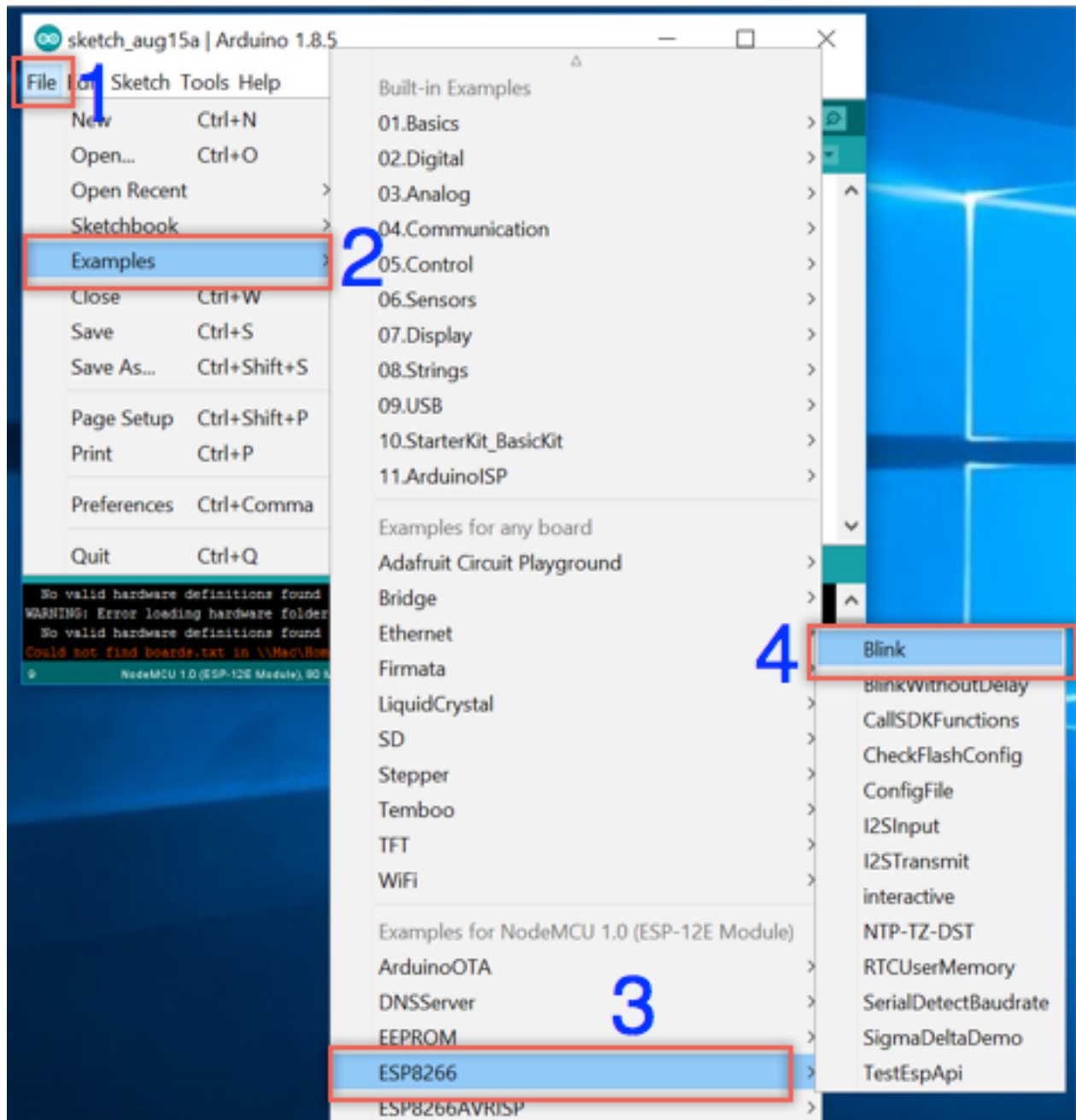When module is connected to the USB, COM port is detected eg: **COM3**.

Step 7: Selecting COM Port

Tools > **Port > COM3**

Step 8: Uploading a Basic Sketch to NodeMCU Module

File > **Examples > ESP8266 > Blink**

Verify and Upload the skech into NodeMCU.

END OF TUTORIAL