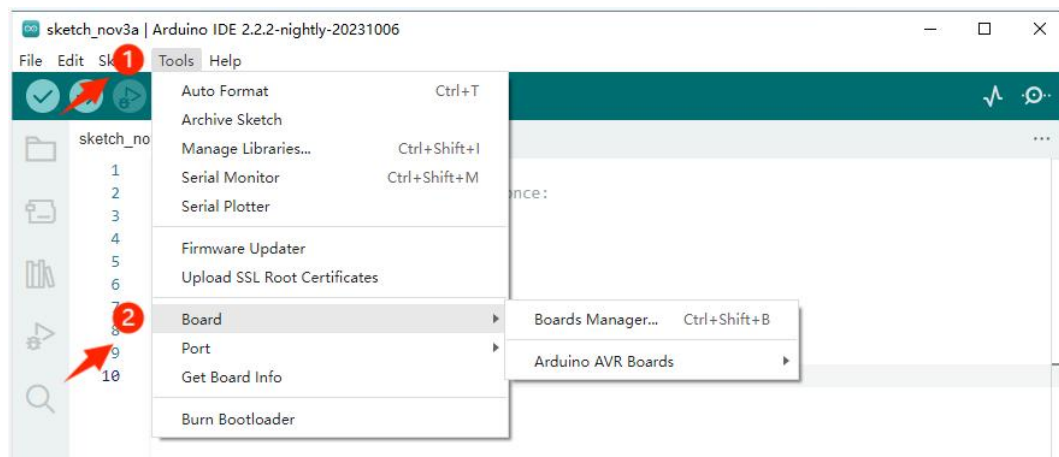


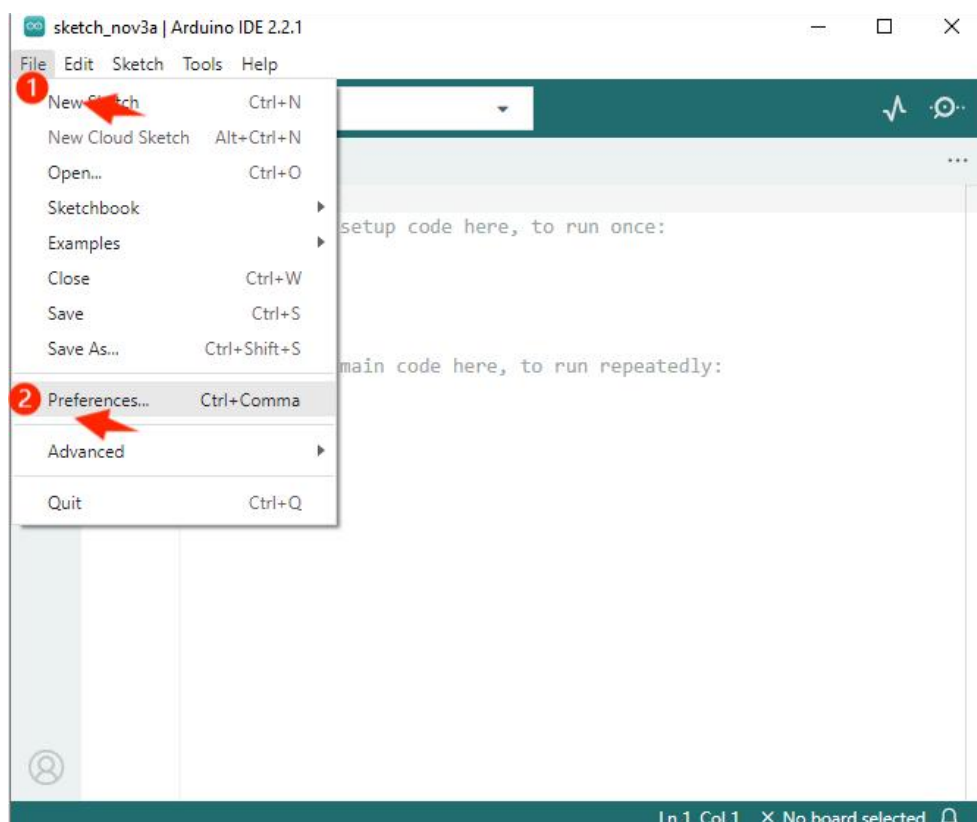
Install the ESP32 in the Arduino IDE

When you open the Arduino IDE and choose Tools > Board, you will find that only Arduino AVR Boards in the Arduino IDE do not have esp32.

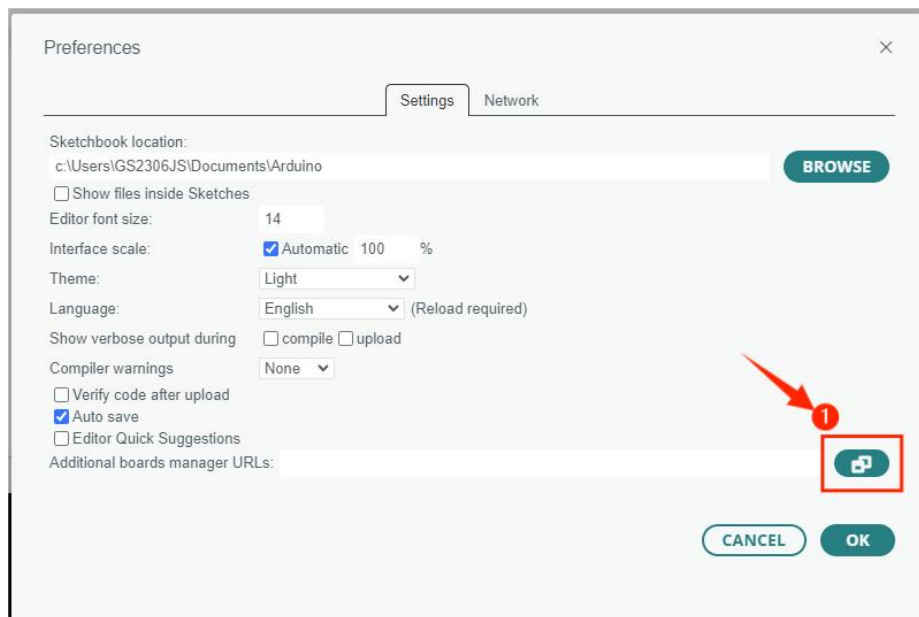


The control board we use this time is ESP32 control board, so we need to install ESP32 board in Arduino IDE. For both Windows and Mac systems, follow these steps:

1. Open File > Preferences.

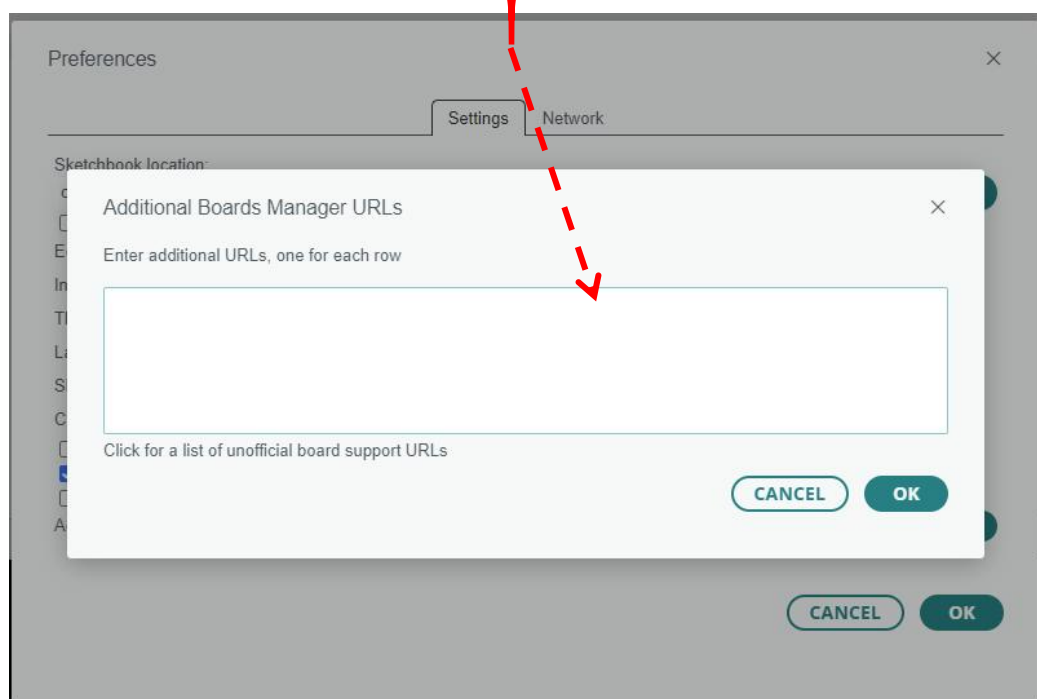


2. Add the development board management address URL.

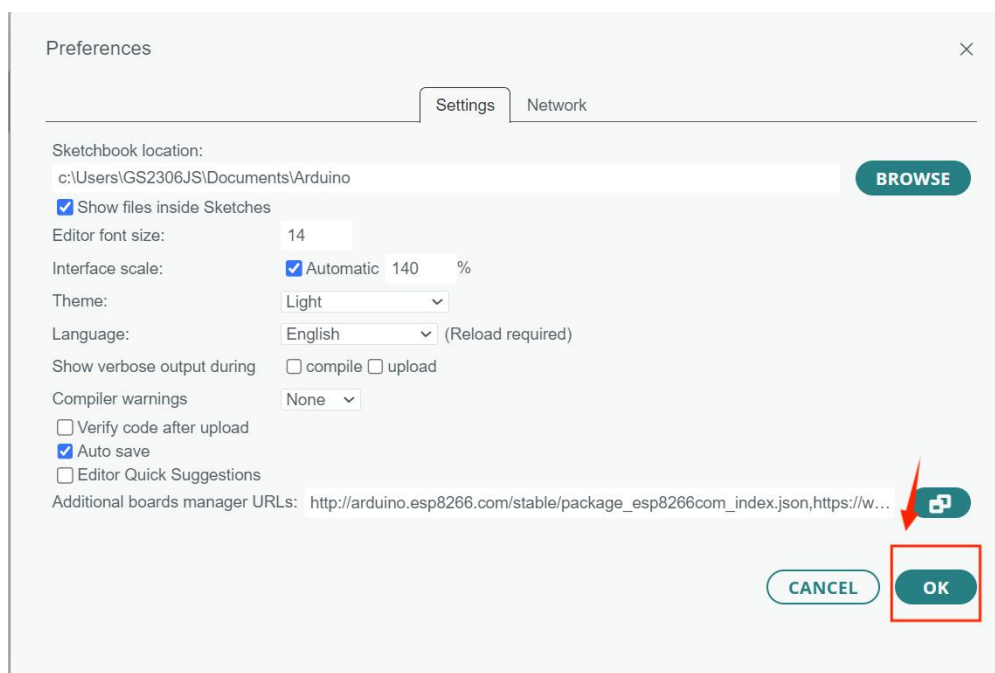
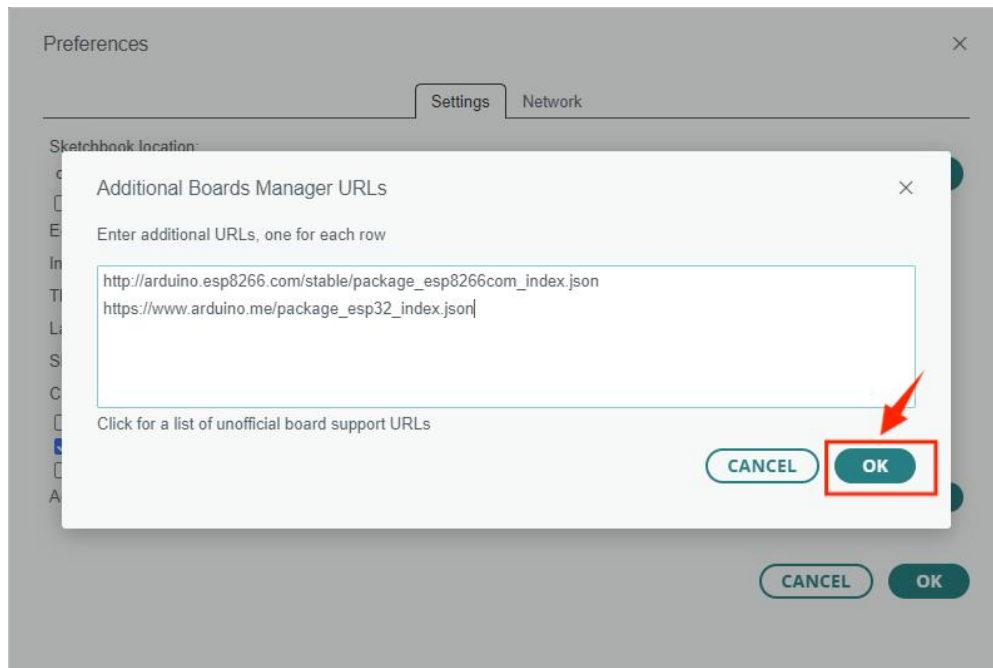


3. Copy the URL in the text box below and add it to "Additional Boards Manager URLs".

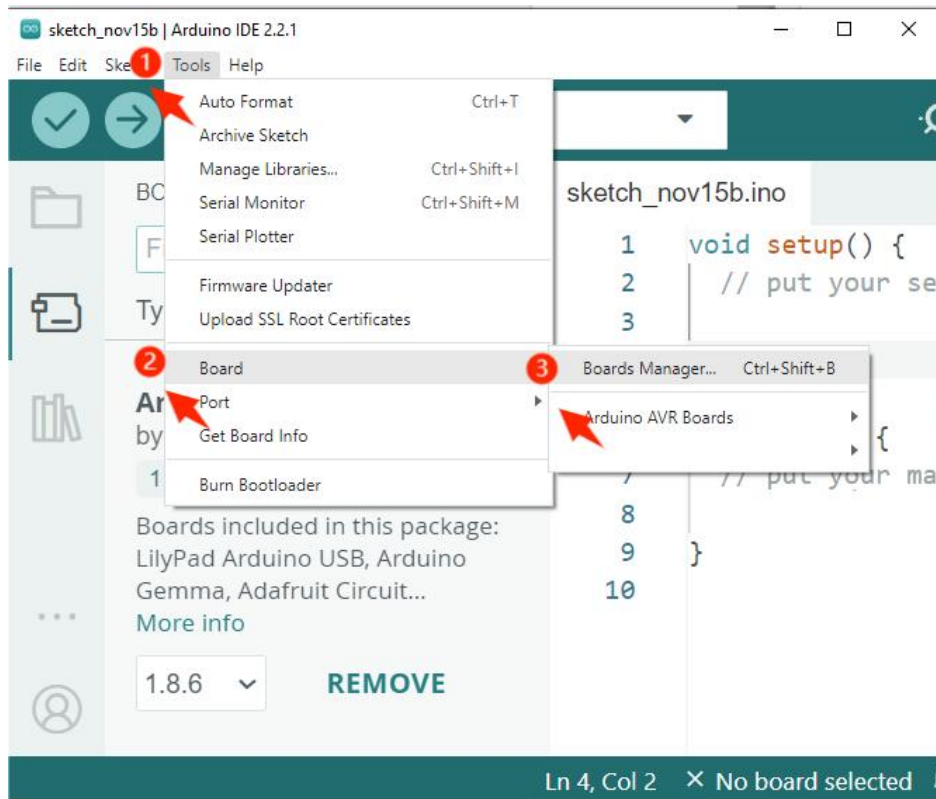
http://arduino.esp8266.com/stable/package_esp8266com_index.json
https://www.arduino.me/package_esp32_index.json



4. After adding the URL, click "OK".

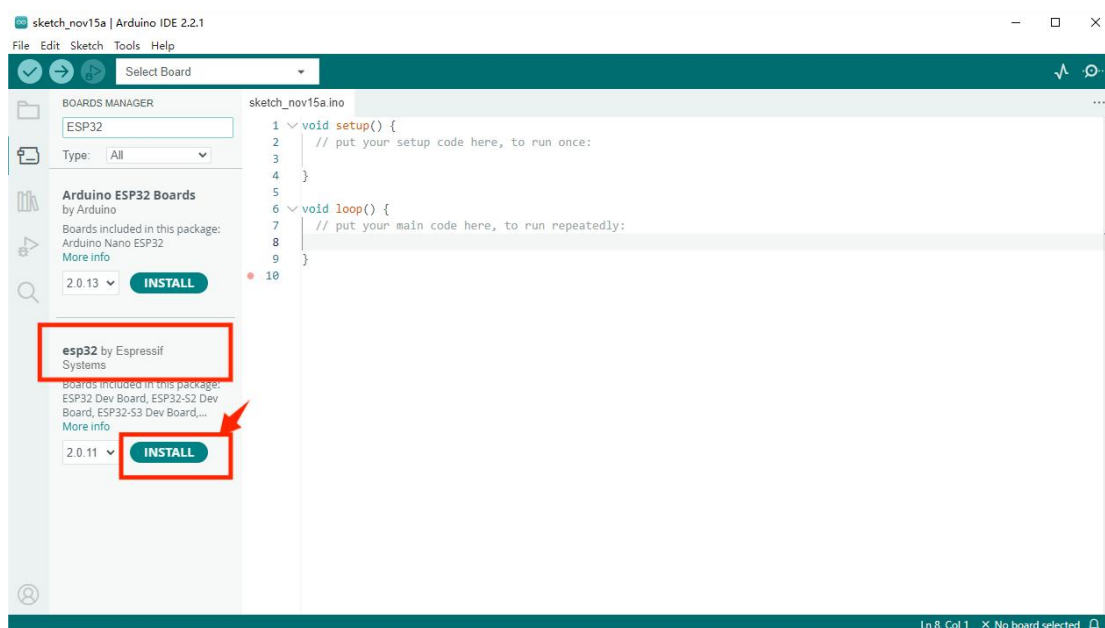


5. Click Tools > Board > Boards Manager...

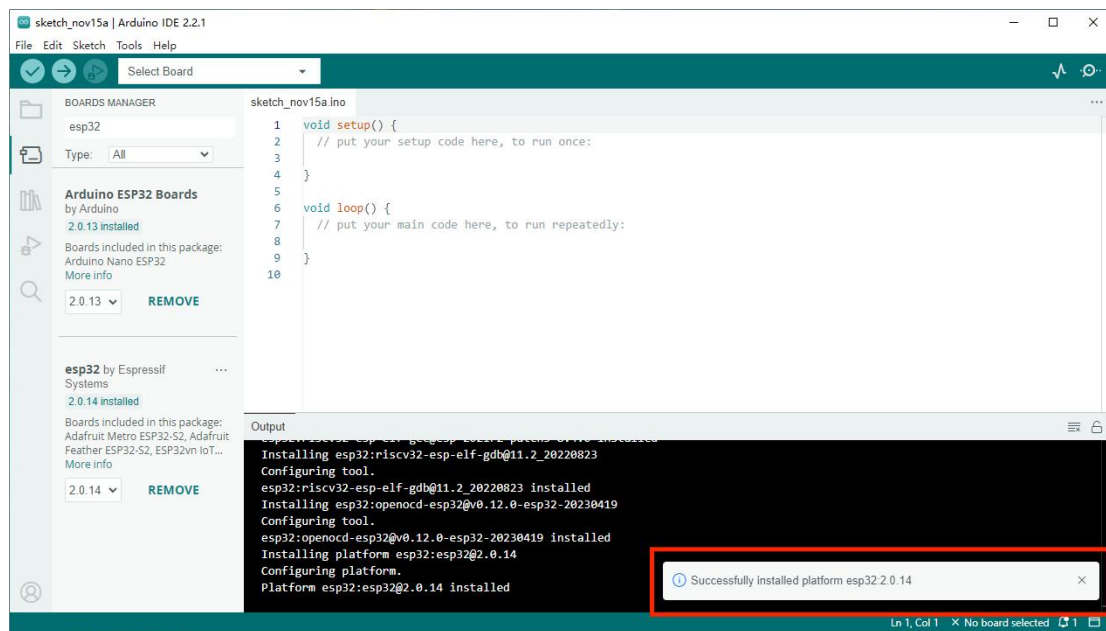


6. Search for "ESP32" in the search bar of the BOARDS MANAGER and install it.

Attention: Please install esp32 version 2.0.12, because the new version is not compatible with the tutorial library, so the program will report errors! If you already have version 3.0 installed, uninstall and reinstall the esp32 version 2.0.



7. When the following screen appears, please wait until the installation is complete and close the Arduino IDE.



Attention: Because the installation package is published on github, it is affected by the Internet speed, if the installation is not successful, try several times.

8. Re-open the Arduino IDE, select Tools > Board, and you will find the esp32 board.

