ການຕິດຕັ້ງໂປຣແກຣມ Arduino IDE

ເຂົ້າໄປທີ່ URL

https://www.arduino.cc/

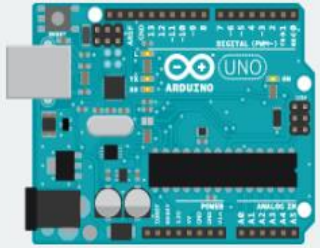
ARDUINO

STORE SOFTWARE EDUCATION PRO RESOURCES COMMUNITY HELP

SIGN IN

Learn about Arduino Response to the COVID-19 outbreak

WHAT IS ARDUINO?



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Touch Less, Do More Challenge

Design a social distancing or touch-free solution with Arduino.

Check it out now!

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INTRODUCING ARDUINO SIM

Connect the Arduino IoT Cloud to the world around you
One simple data plan operates in over 100 countries.

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WHAT IS ARDUINO?

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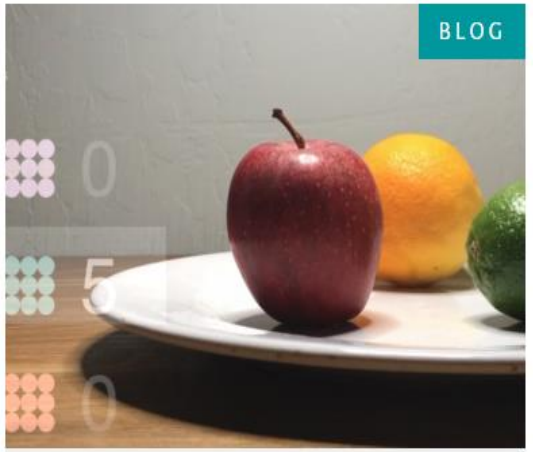

SIMPLE MACHINE LEARNING WITH ARDUINO KNN

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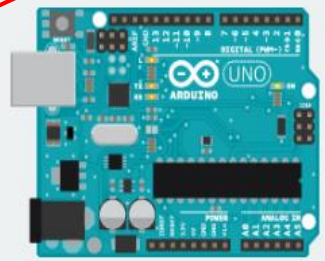
WHAT IS ARDUINO?



BUY AN ARDUINO

LEARN ARDUINO

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LATEST

Touch Less, Do More Challenge

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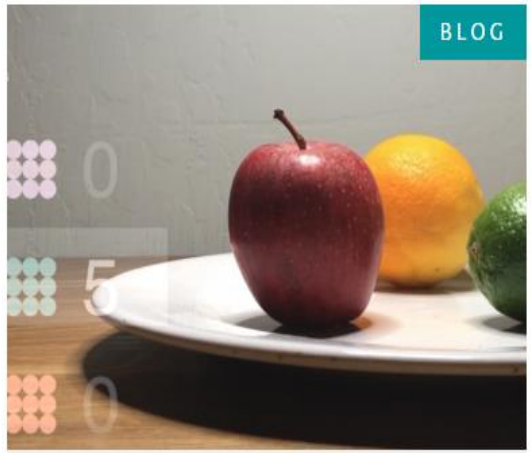

SIMPLE MACHINE LEARNING WITH ARDUINO KNN

INTRODUCING ARDUINO SIM

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One simple data plan operates in over 100 countries

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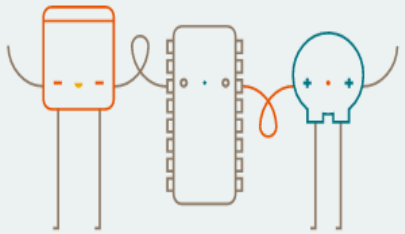
Contribute to the Arduino Software

Consider supporting the Arduino Software by contributing to its development. (US tax payers, please note this contribution is not tax deductible). Learn more on how your contribution will be used.



SINCE MARCH 2015, THE ARDUINO IDE HAS BEEN DOWNLOADED 42,926,014 TIMES. (IMPRESSIVE!) NO LONGER JUST FOR ARDUINO AND GENUINO BOARDS, HUNDREDS OF COMPANIES AROUND THE WORLD ARE USING THE IDE TO PROGRAM THEIR DEVICES, INCLUDING COMPATIBLES, CLONES, AND EVEN COUNTERFEITS. HELP ACCELERATE ITS DEVELOPMENT WITH A SMALL CONTRIBUTION! REMEMBER: OPEN SOURCE IS LOVE!

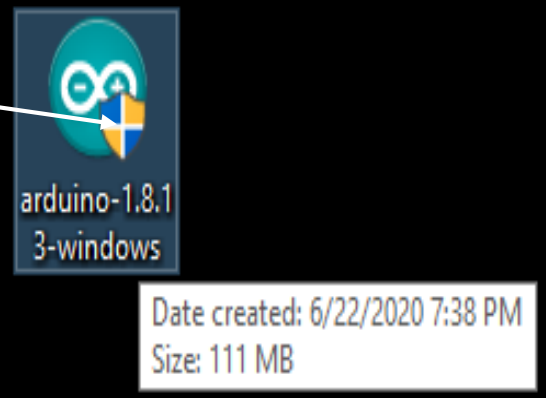
$3 $5 $10 $25 $50 OTHER

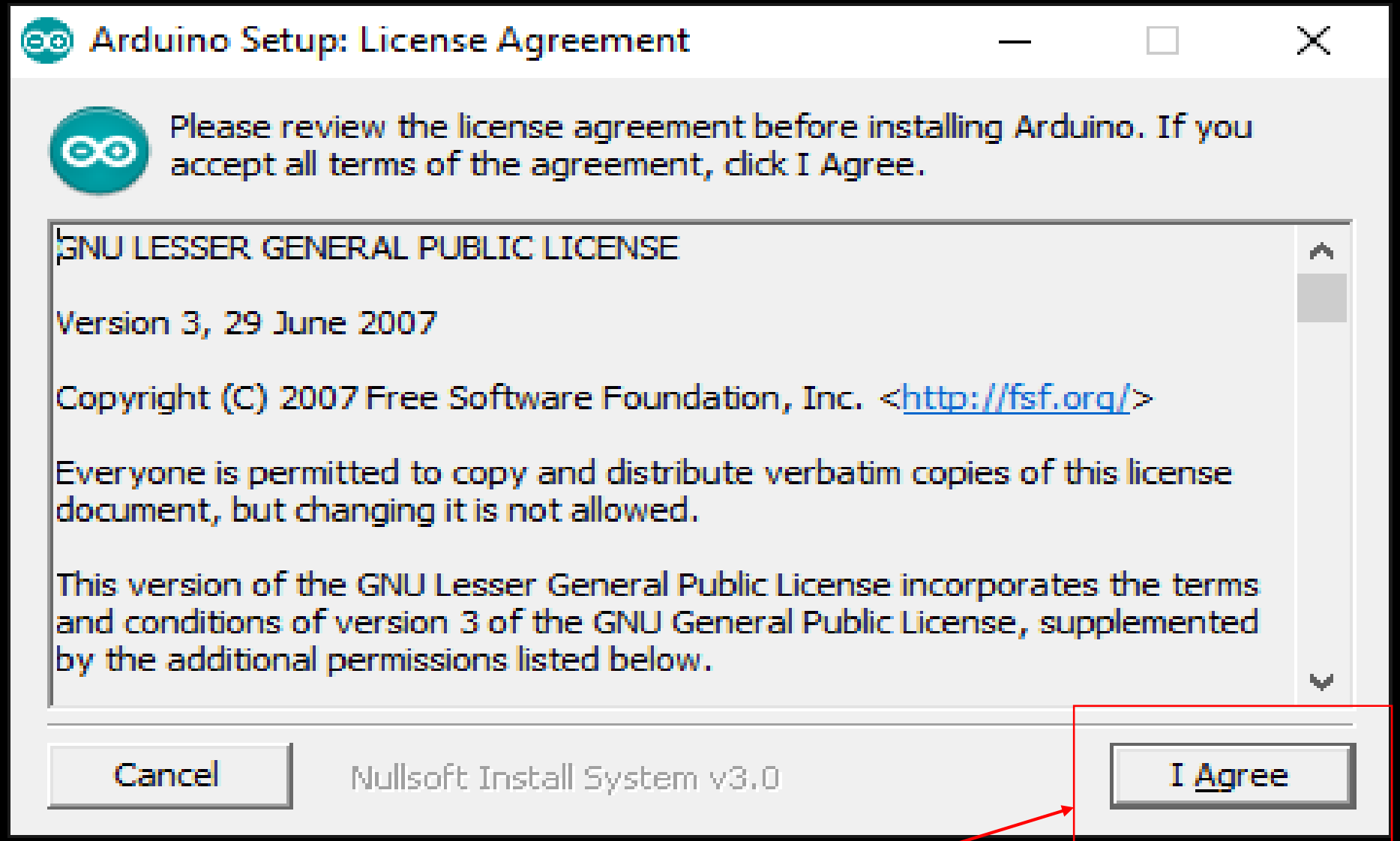
ເລືອກ Just Downloads

JUST DOWNLOAD

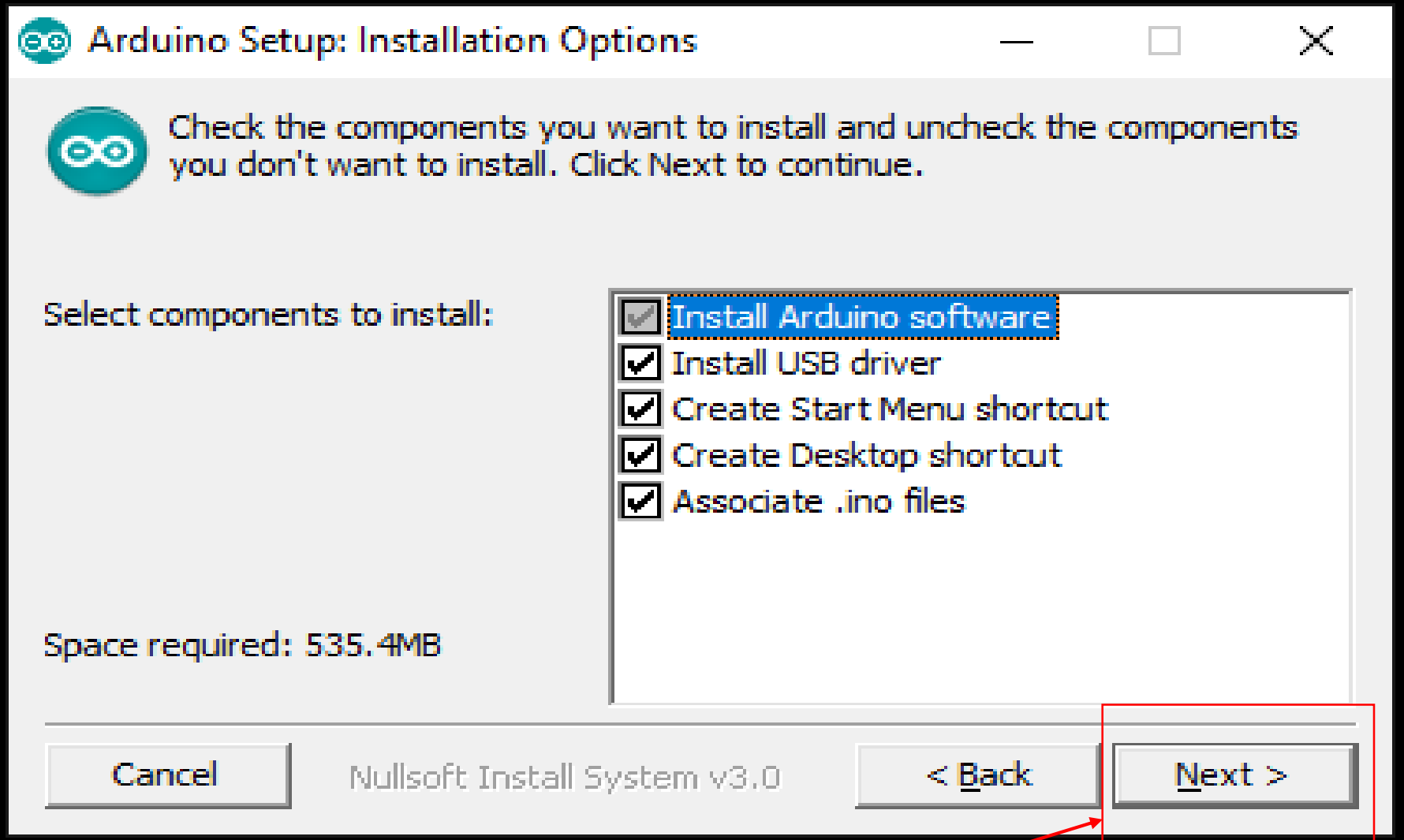
CONTRIBUTE & DOWNLOAD

ຫຼັງຈາກເຮົາໂຫລດ
ແລ້ວຈະໄດ້ໄຟຮມ໌ີ

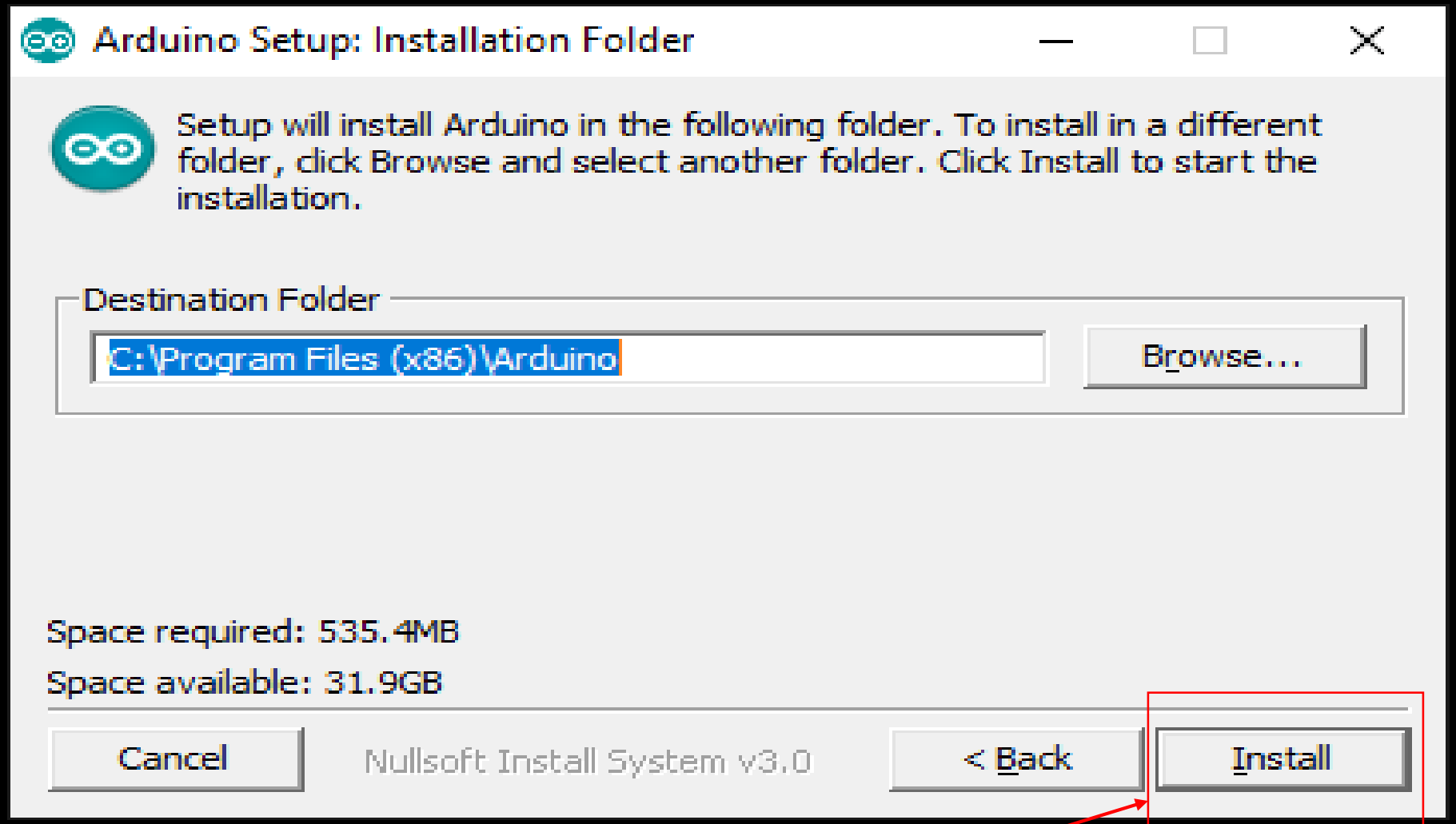




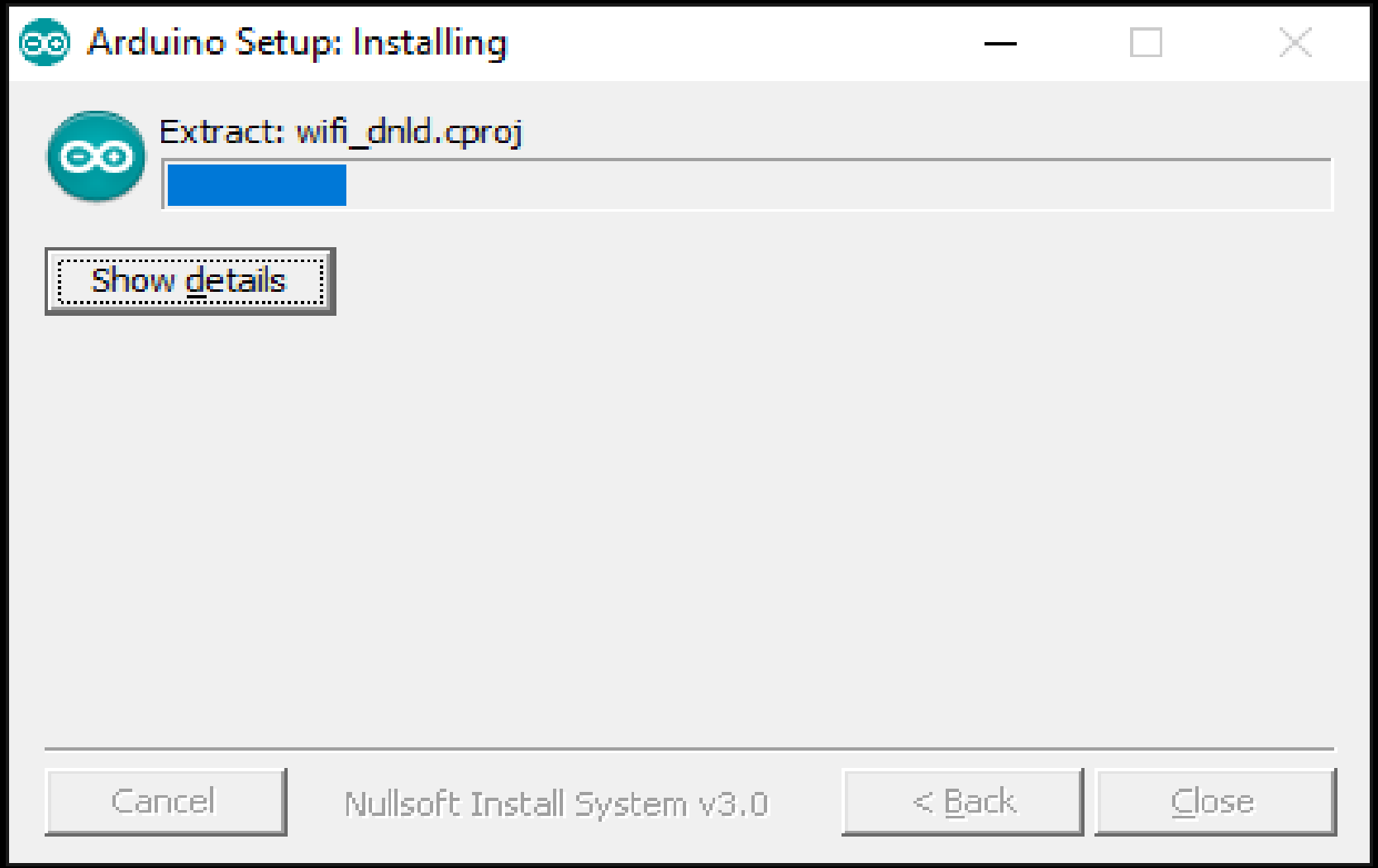
ເລືອກທີ I Agree

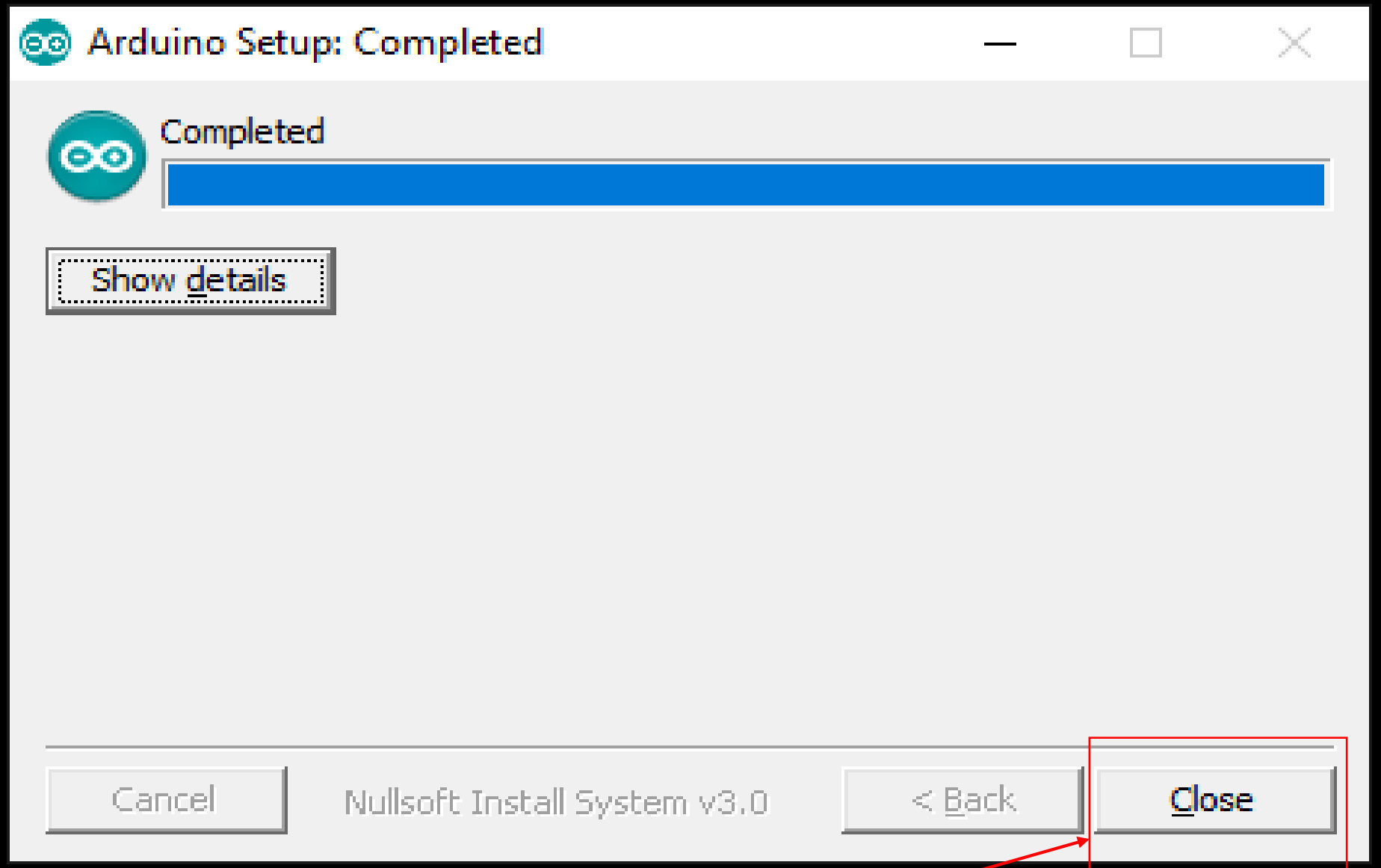

Arduino Setup: Installation Options
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select components to install:
Install Arduino software
Install USB driver
Create Start Menu shortcut
Create Desktop shortcut
Associate .ino files
Space required: 535.4MB
Cancel
Nullsoft Install System v3.0
< Back
Next >

ເລືອກທີ Next



ເລືອກທີ Install


Arduino Setup: Installing
Extract: wifi_dnld.cproj
Show details
Cancel
Nullsoft Install System v3.0
< Back
Close


Arduino Setup: Completed
Completed
Show details
Cancel
Nullsoft Install System v3.0
< Back
Close

ເລືອກທີ Close

Program Arduino IDE

ໜ້າຕ່າງຂອງ Program

ການລົງ Library ສຳລັບ Node Mcu esp8266

Url Library สำหรับ Node Mcu esp8266

http://arduino.esp8266.com/stable/package_esp8266com_index.json

sketch_jun23a | Arduino 1.8.13

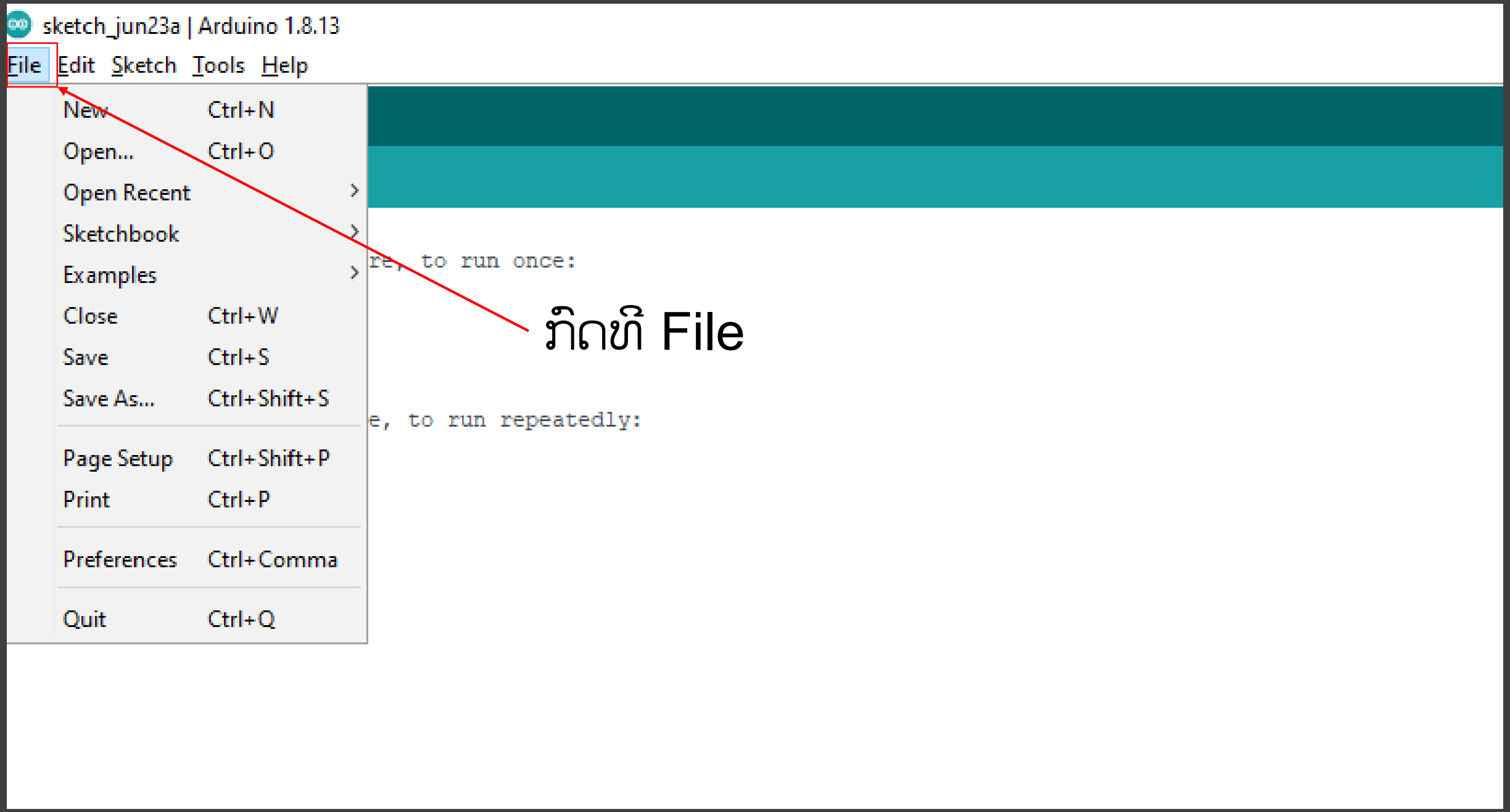
File Edit Sketch Tools Help

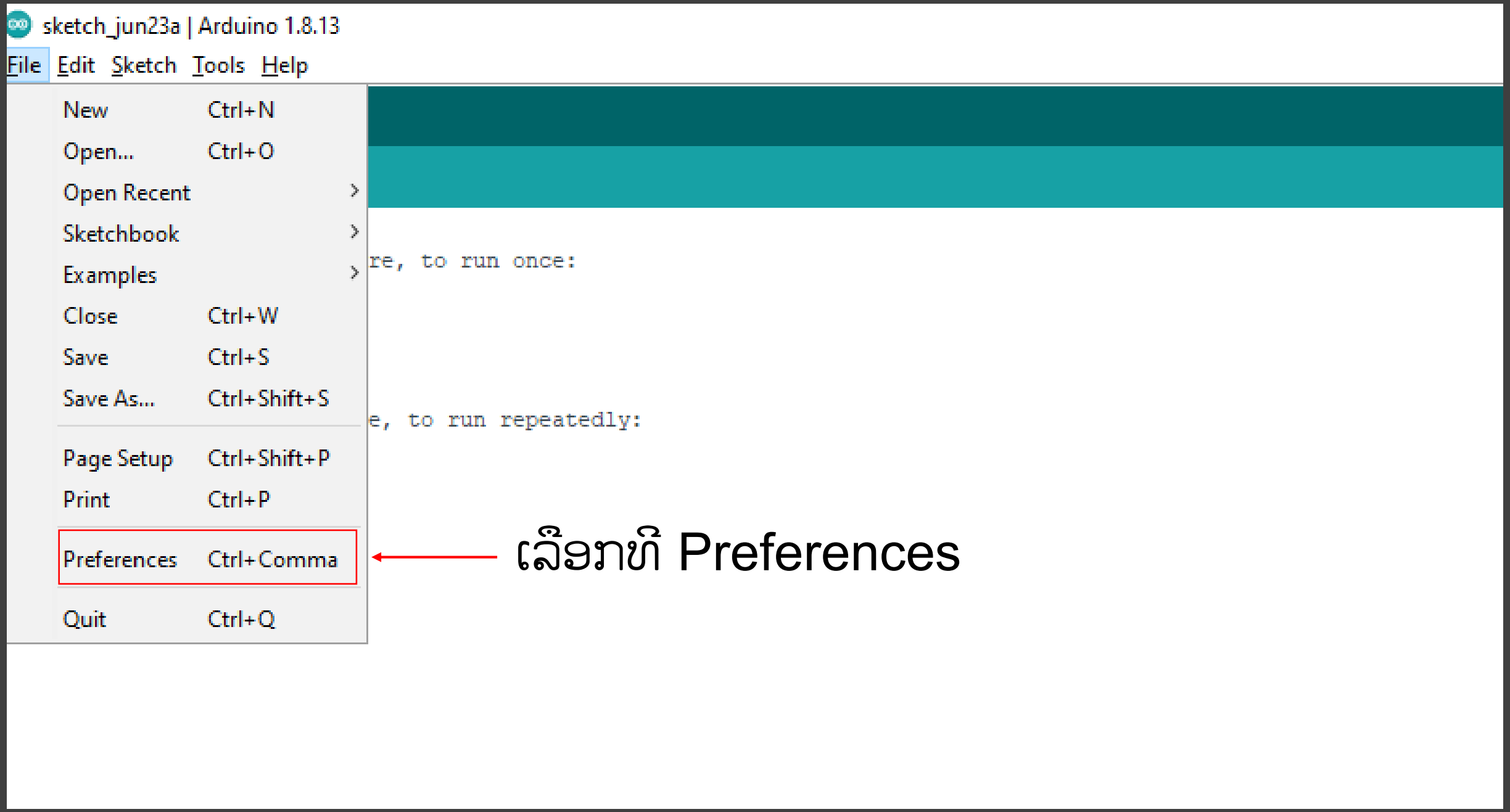
sketch_jun23a

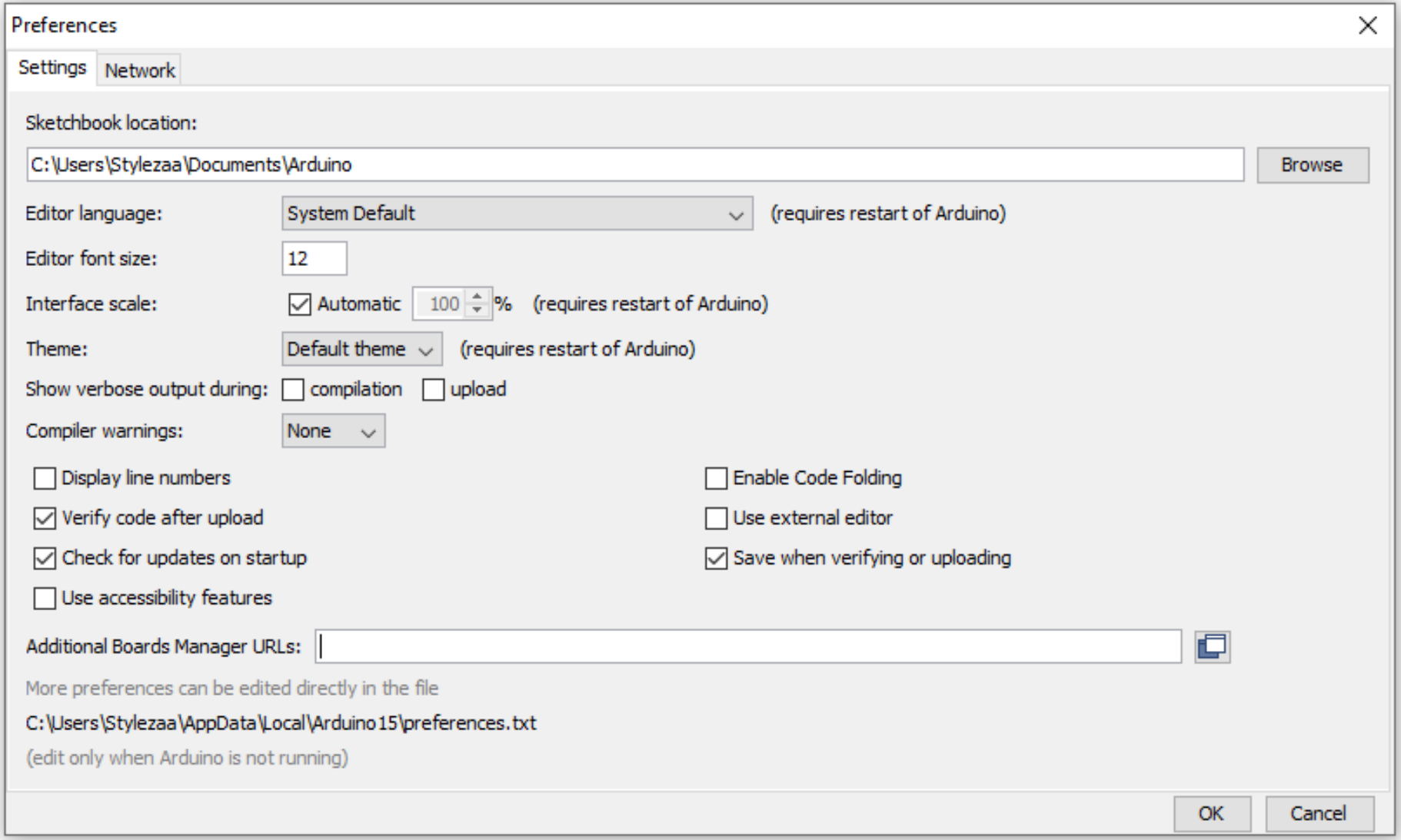
```
void setup() {
  // put your setup code here, to run once:

}

void loop() {
  // put your main code here, to run repeatedly:

}
```

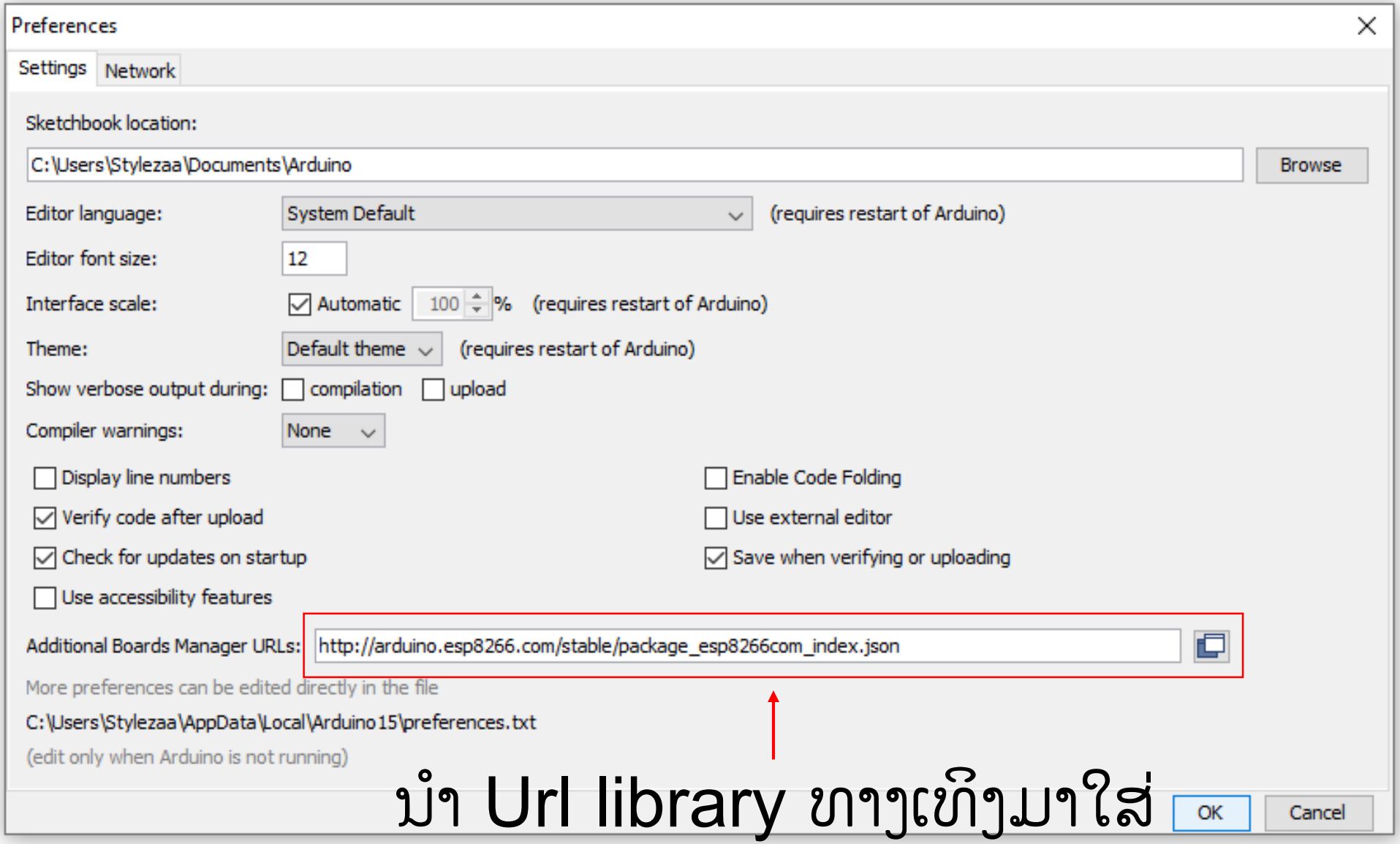
1

Arduino Uno on COM3

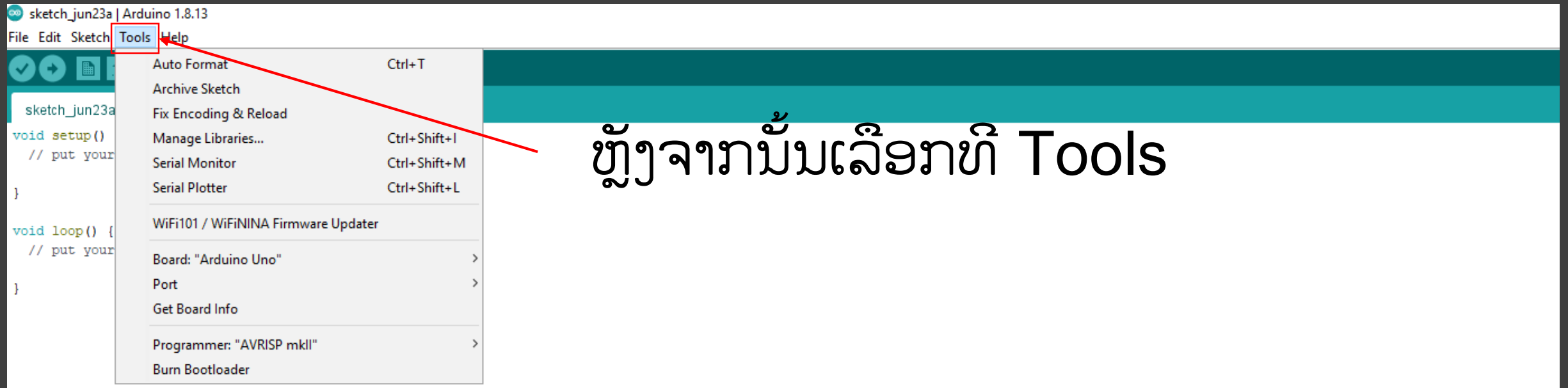

sketch_jun23a | Arduino 1.8.13
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Open Recent
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+Comma
Quit Ctrl+Q
re, to run once:
e, to run repeatedly:
ກົດທີ File


sketch_jun23a | Arduino 1.8.13
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Open Recent
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+Comma
Quit Ctrl+Q
re, to run once:
e, to run repeatedly:
ເລືອກທີ Preferences

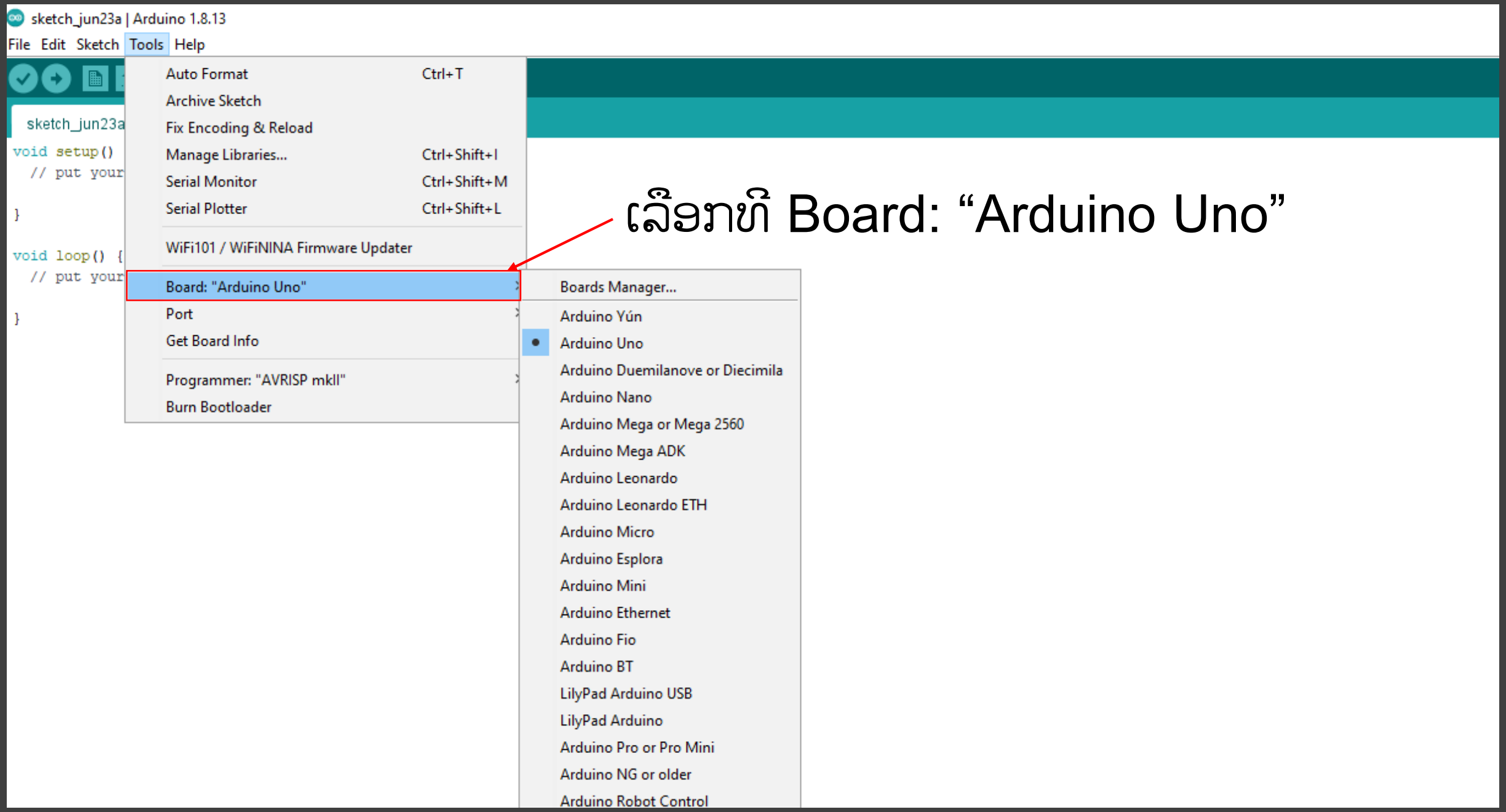

Preferences
Settings
Network
Sketchbook location:
C:\Users\Stylezaa\Documents\Arduino
Browse
Editor language:
System Default
(requires restart of Arduino)
Editor font size:
12
Interface scale:
Automatic
100
%
(requires restart of Arduino)
Theme:
Default theme
(requires restart of Arduino)
Show verbose output during:
compilation
upload
Compiler warnings:
None
Display line numbers
Enable Code Folding
Verify code after upload
Use external editor
Check for updates on startup
Save when verifying or uploading
Use accessibility features
Additional Boards Manager URLs:
More preferences can be edited directly in the file
C:\Users\Stylezaa\AppData\Local\Arduino15\preferences.txt
(edit only when Arduino is not running)
OK
Cancel



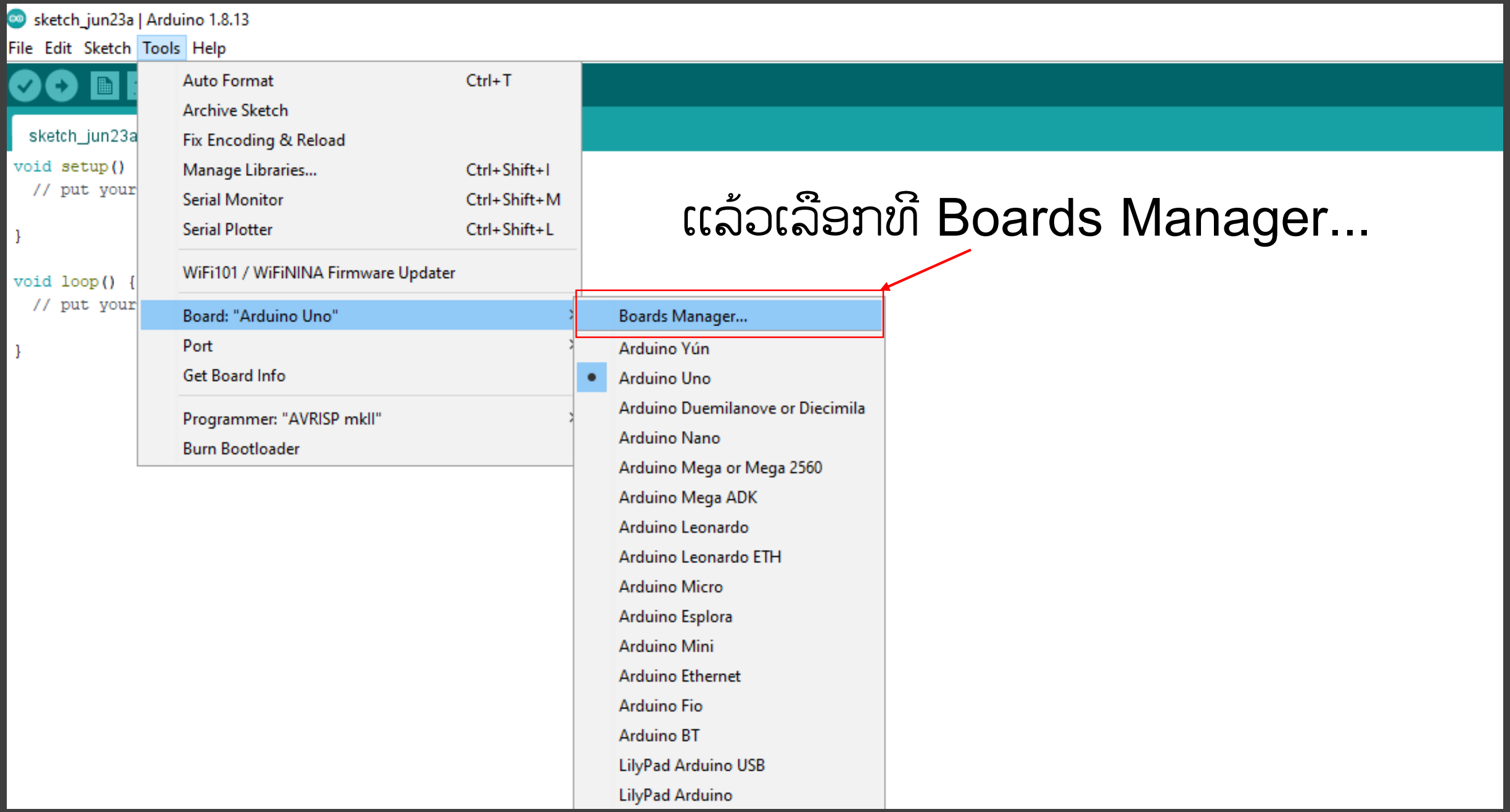
ນຳ Url library ທາງເທິງມາໃສ່ ແລ້ວກົດ Ok



ຫຼັງຈາກນັ້ນເລືອກທີ Tools

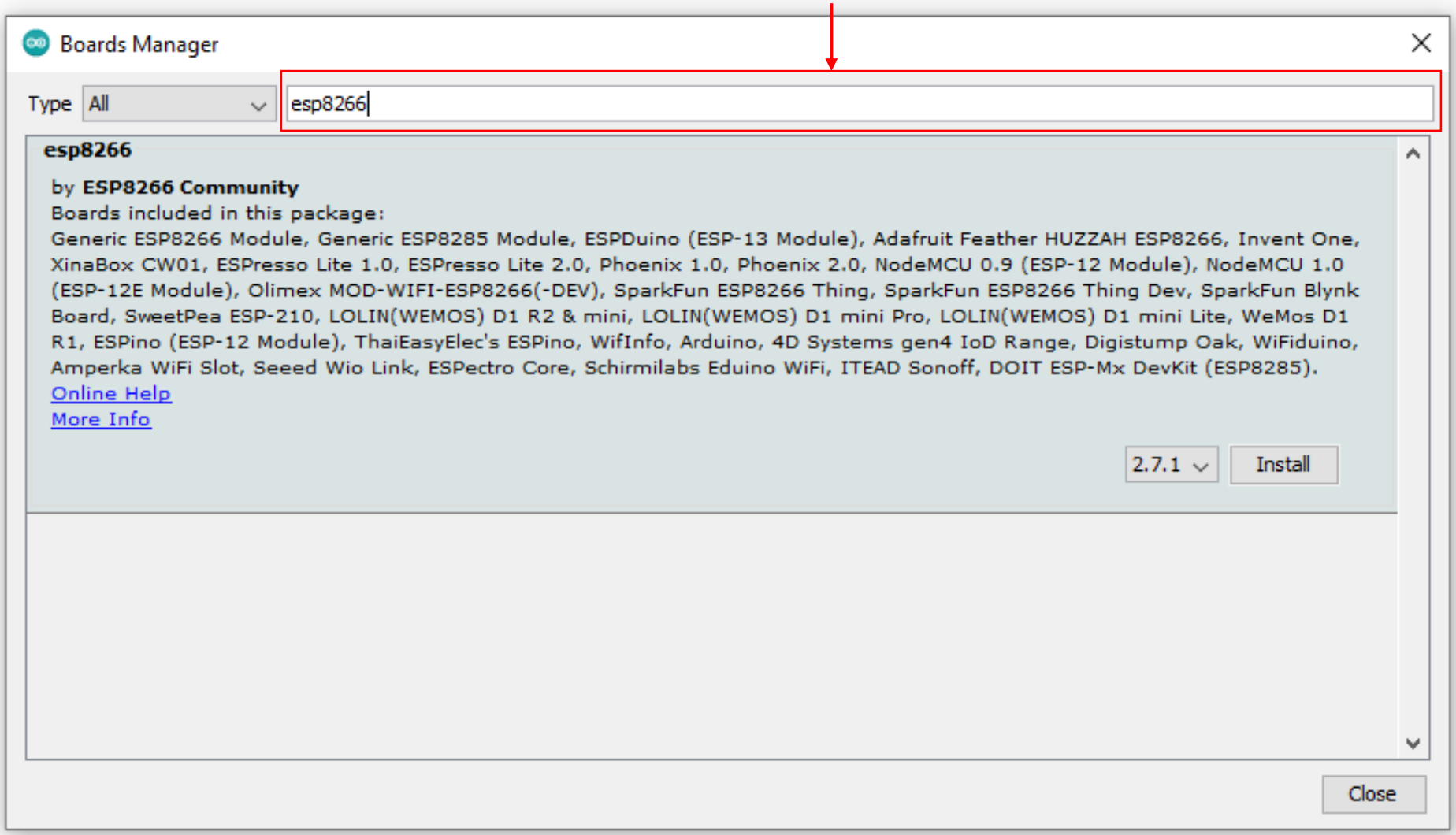


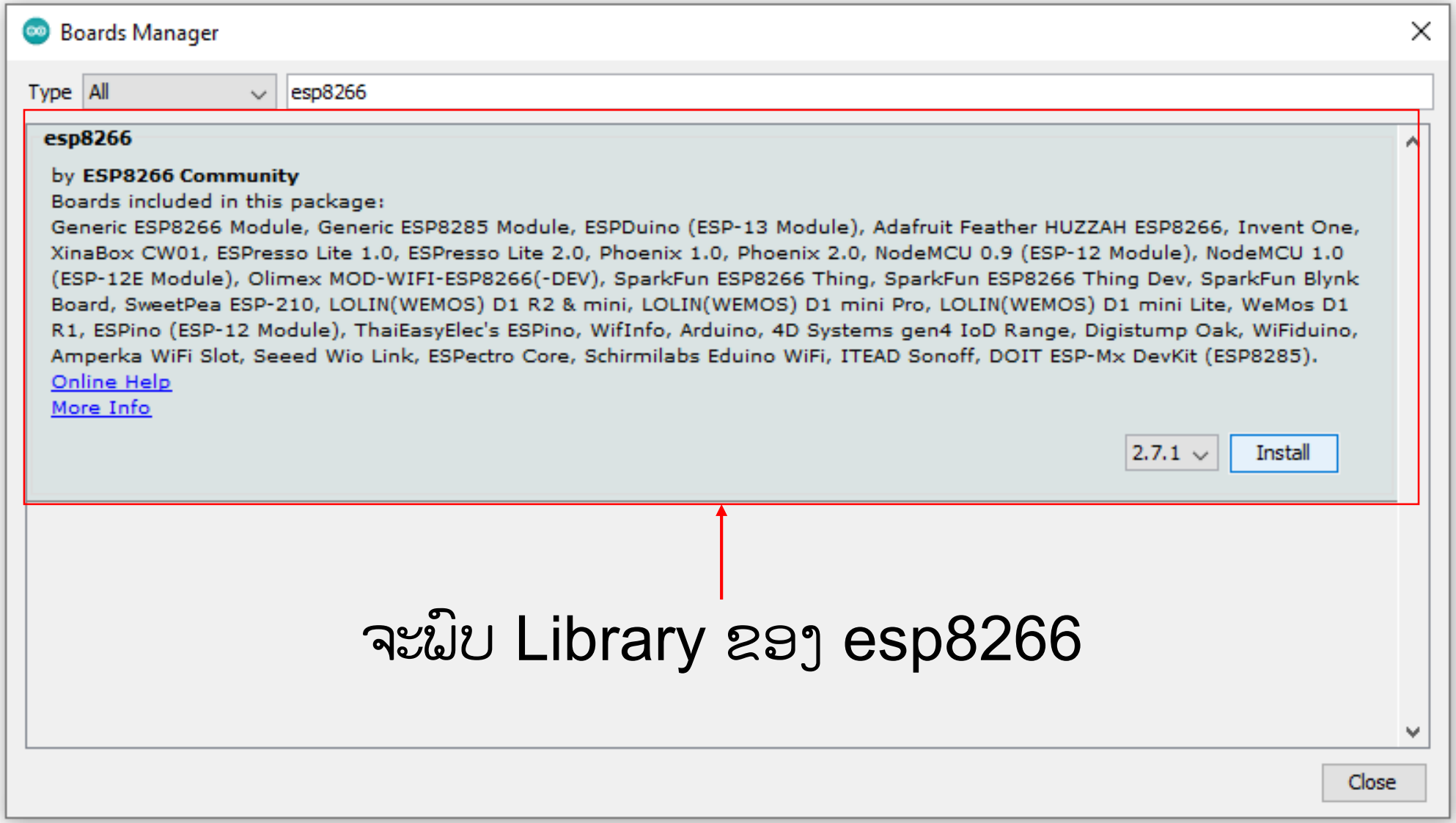
ເລືອກທີ Board: “Arduino Uno”


sketch_jun23a | Arduino 1.8.13
File Edit Sketch Tools Help
sketch_jun23a
void setup()
// put your
}
void loop() {
// put your
}
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino Uno"
Port
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Boards Manager...
Arduino Yún
Arduino Uno
Arduino Duemilanove or Diecimila
Arduino Nano
Arduino Mega or Mega 2560
Arduino Mega ADK
Arduino Leonardo
Arduino Leonardo ETH
Arduino Micro
Arduino Esplora
Arduino Mini
Arduino Ethernet
Arduino Fio
Arduino BT
LilyPad Arduino USB
LilyPad Arduino
ແລ້ວເລືອກທີ Boards Manager...

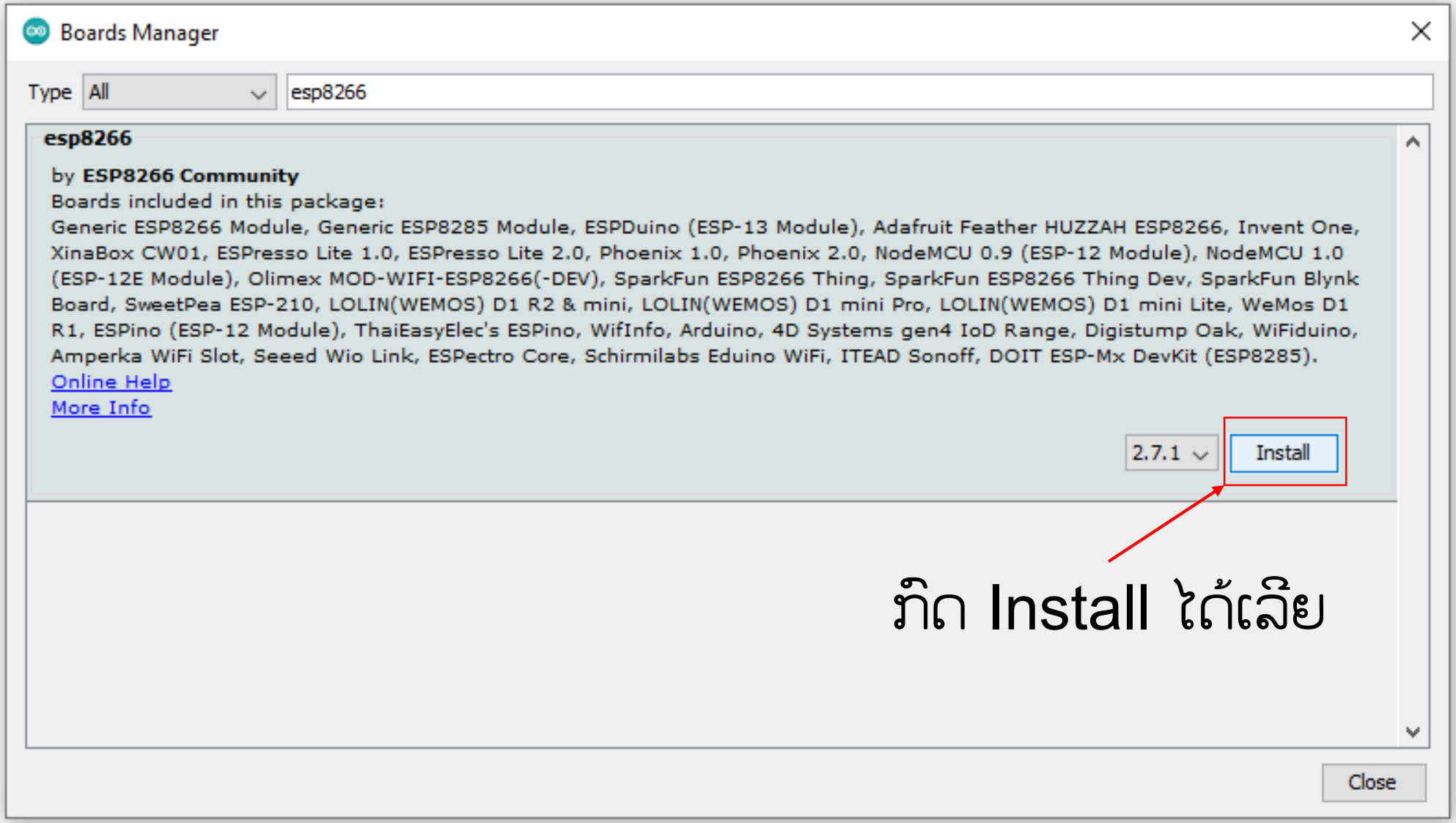

Boards Manager
Type All
Arduino AVR Boards
Built-In by Arduino version 1.8.3 INSTALLED
Boards included in this package:
Arduino Yún, Arduino Uno, Arduino Uno WiFi, Arduino Diecimila, Arduino Nano, Arduino Mega, Arduino MegaADK, Arduino Leonardo, Arduino Leonardo Ethernet, Arduino Micro, Arduino Esplora, Arduino Mini, Arduino Ethernet, Arduino Fio, Arduino BT, Arduino LilyPadUSB, Arduino Lilypad, Arduino Pro, Arduino ATMegaNG, Arduino Robot Control, Arduino Robot Motor, Arduino Gemma, Adafruit Circuit Playground, Arduino Yún Mini, Arduino Industrial 101, Linino One.
Online Help
More Info
Select vers...
Install
Arduino megaAVR Boards
by Arduino
Boards included in this package:
Arduino Uno WiFi Rev2, Arduino Nano Every.
Online Help
More Info
Arduino SAM Boards (32-bits ARM Cortex-M3)
Close

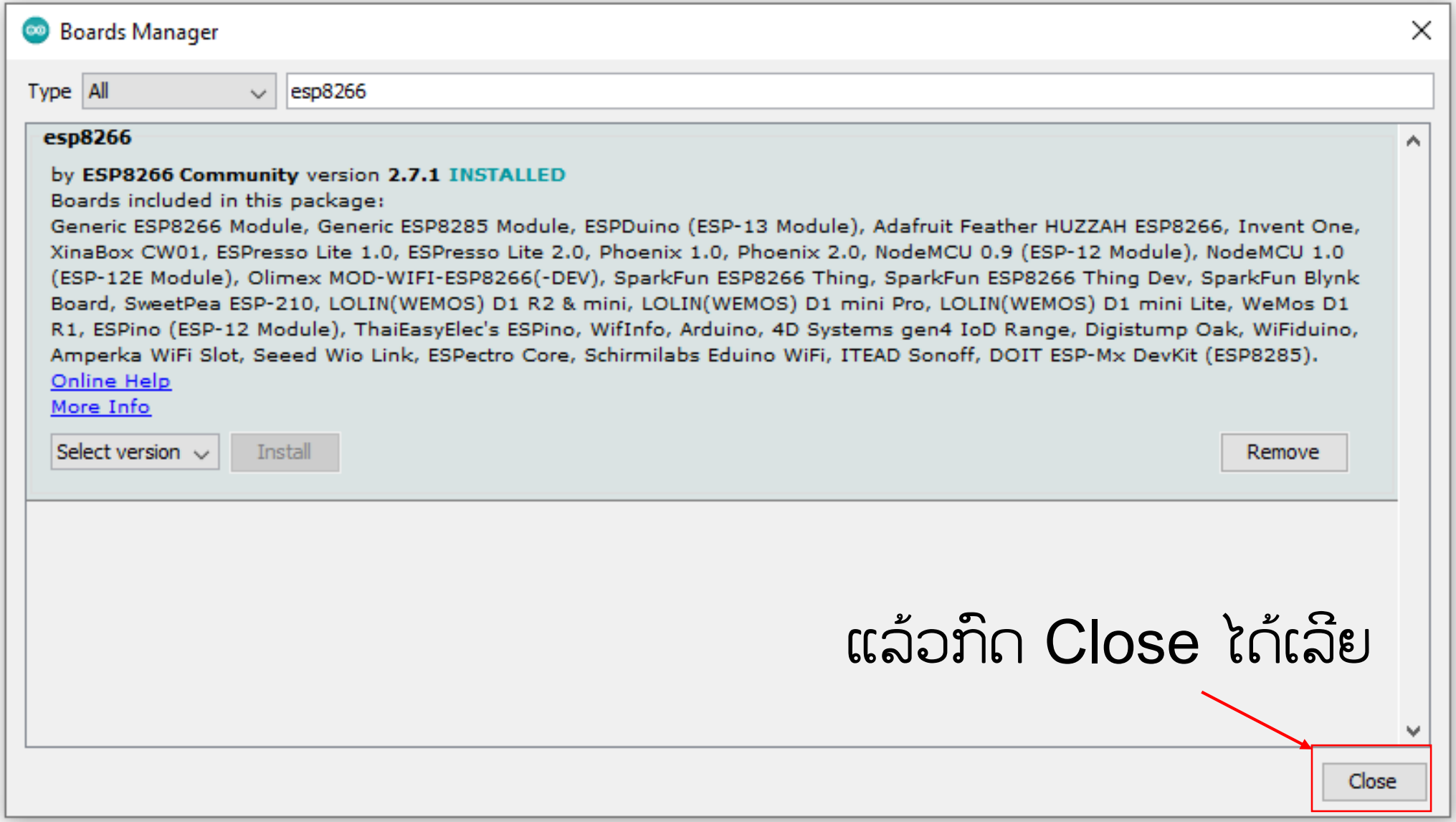
ແລ້ວພິມຄຳວ່າ esp8266





จะพิบ Library ຂອງ esp8266


Boards Manager
Type
All
esp8266
esp8266
by ESP8266 Community
Boards included in this package:
Generic ESP8266 Module, Generic ESP8285 Module, ESPDuino (ESP-13 Module), Adafruit Feather HUZZAH ESP8266, Invent One, XinaBox CW01, ESPresso Lite 1.0, ESPresso Lite 2.0, Phoenix 1.0, Phoenix 2.0, NodeMCU 0.9 (ESP-12 Module), NodeMCU 1.0 (ESP-12E Module), Olimex MOD-WIFI-ESP8266(-DEV), SparkFun ESP8266 Thing, SparkFun ESP8266 Thing Dev, SparkFun Blynk Board, SweetPea ESP-210, LOLIN(WEMOS) D1 R2 & mini, LOLIN(WEMOS) D1 mini Pro, LOLIN(WEMOS) D1 mini Lite, WeMos D1 R1, ESPino (ESP-12 Module), ThaiEasyElec's ESPino, WifInfo, Arduino, 4D Systems gen4 IoD Range, Digistump Oak, WiFiduino, Amperka WiFi Slot, Seeed Wio Link, ESPectro Core, Schirmilabs Eduino WiFi, ITEAD Sonoff, DOIT ESP-Mx DevKit (ESP8285).
Online Help
More Info
2.7.1
Install
ກົດ Install ໄດ້ເລີຍ
Close


Boards Manager
Type
All
esp8266
esp8266
by ESP8266 Community version 2.7.1 INSTALLED
Boards included in this package:
Generic ESP8266 Module, Generic ESP8285 Module, ESPDuino (ESP-13 Module), Adafruit Feather HUZZAH ESP8266, Invent One, XinaBox CW01, ESPresso Lite 1.0, ESPresso Lite 2.0, Phoenix 1.0, Phoenix 2.0, NodeMCU 0.9 (ESP-12 Module), NodeMCU 1.0 (ESP-12E Module), Olimex MOD-WIFI-ESP8266(-DEV), SparkFun ESP8266 Thing, SparkFun ESP8266 Thing Dev, SparkFun Blynk Board, SweetPea ESP-210, LOLIN(WEMOS) D1 R2 & mini, LOLIN(WEMOS) D1 mini Pro, LOLIN(WEMOS) D1 mini Lite, WeMos D1 R1, ESPino (ESP-12 Module), ThaiEasyElec's ESPino, WifInfo, Arduino, 4D Systems gen4 IoD Range, Digistump Oak, WiFiduino, Amperka WiFi Slot, Seeed Wio Link, ESPectro Core, Schirmilabs Eduino WiFi, ITEAD Sonoff, DOIT ESP-Mx DevKit (ESP8285).
Online Help
More Info
Select version
Install
Remove
ແລ້ວກົດ Close ໄດ້ເລີຍ
Close

ຈິບກາມລົງ Library esp8266

ການລົງ Library ສຳລັບ Node Mcu esp32

Url Library สำหรับ Node Mcu esp32

https://dl.espressif.com/dl/package_esp32_index.json

sketch_jun23a | Arduino 1.8.13

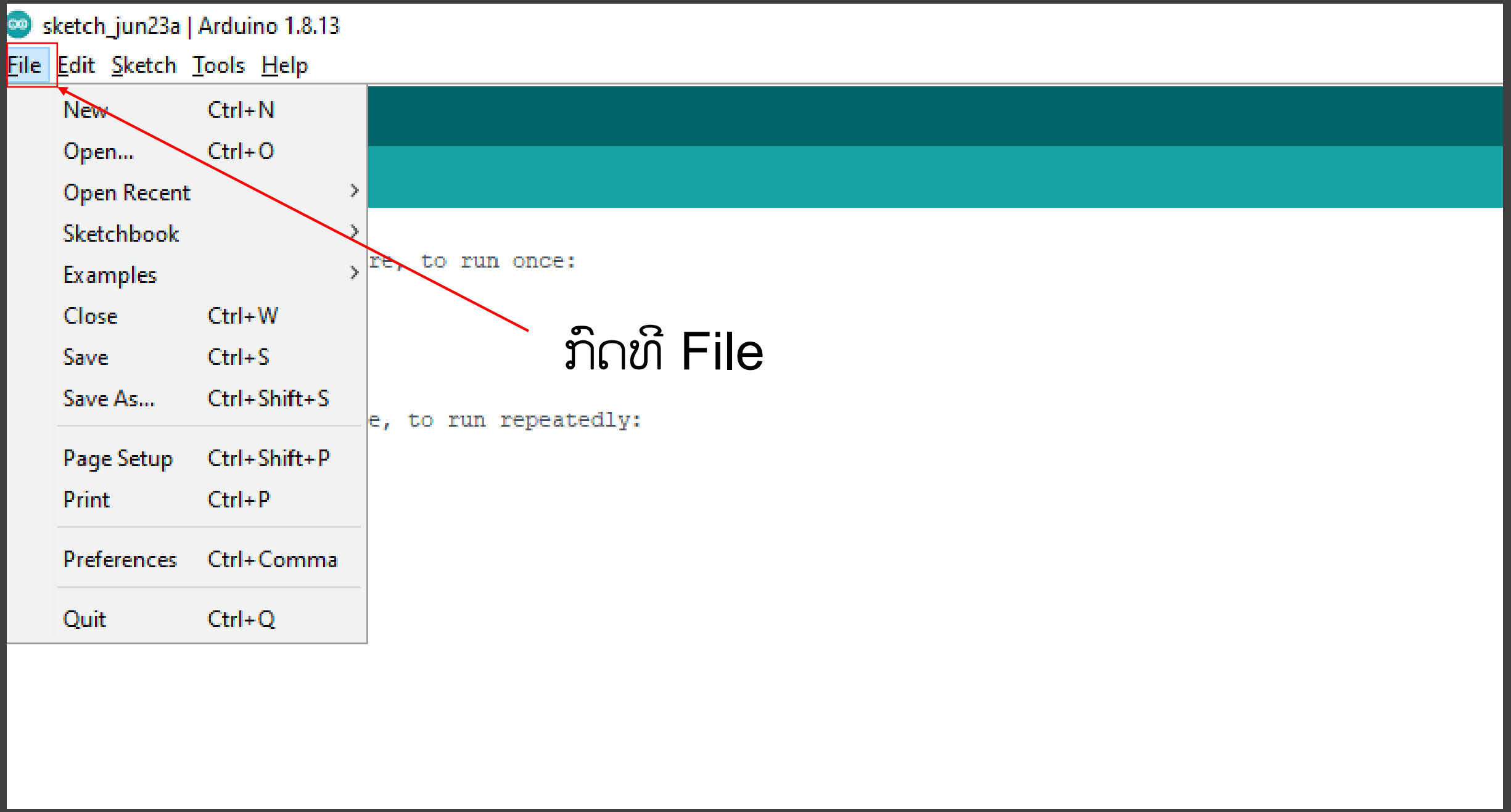
File Edit Sketch Tools Help

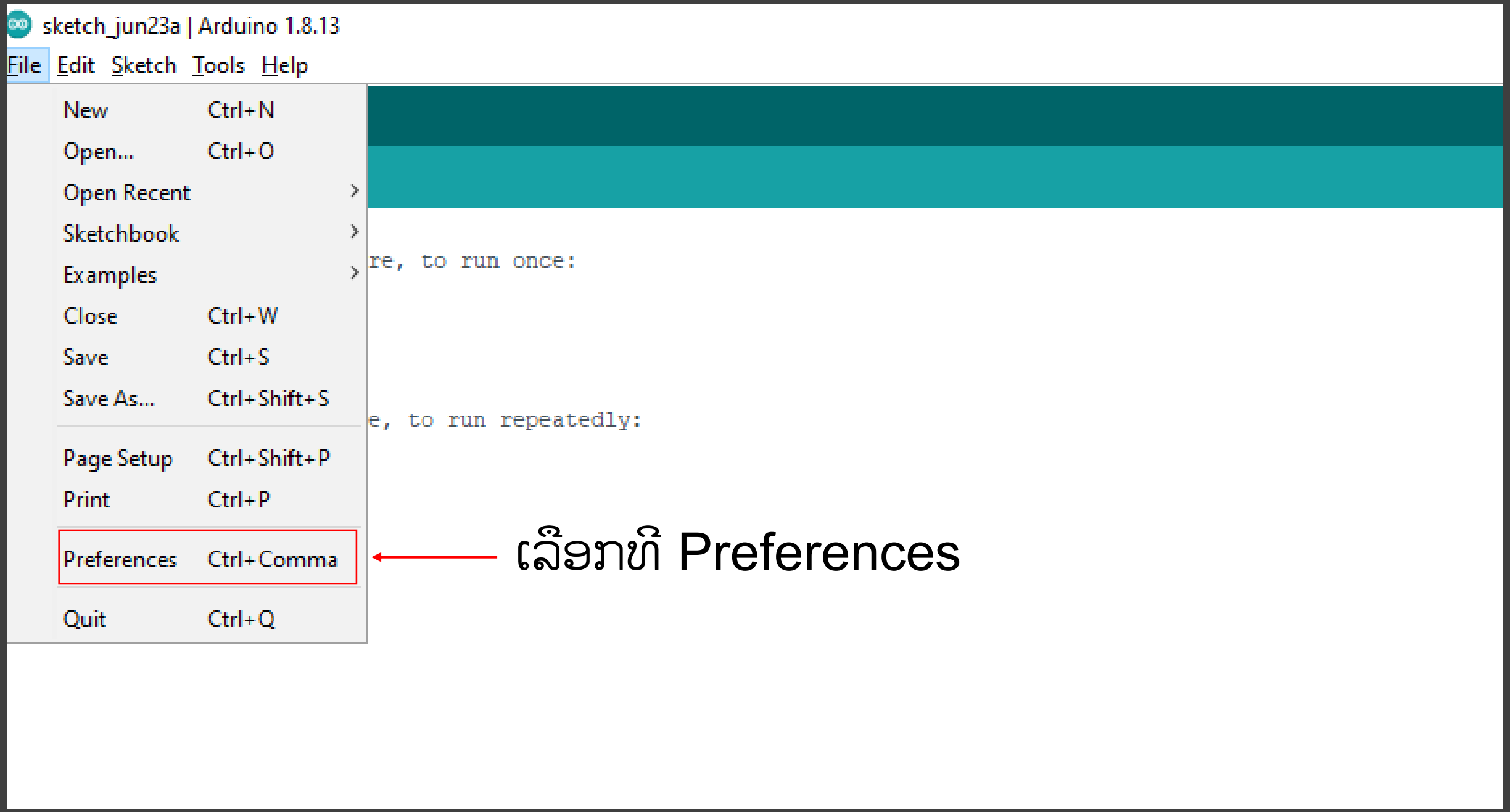
sketch_jun23a

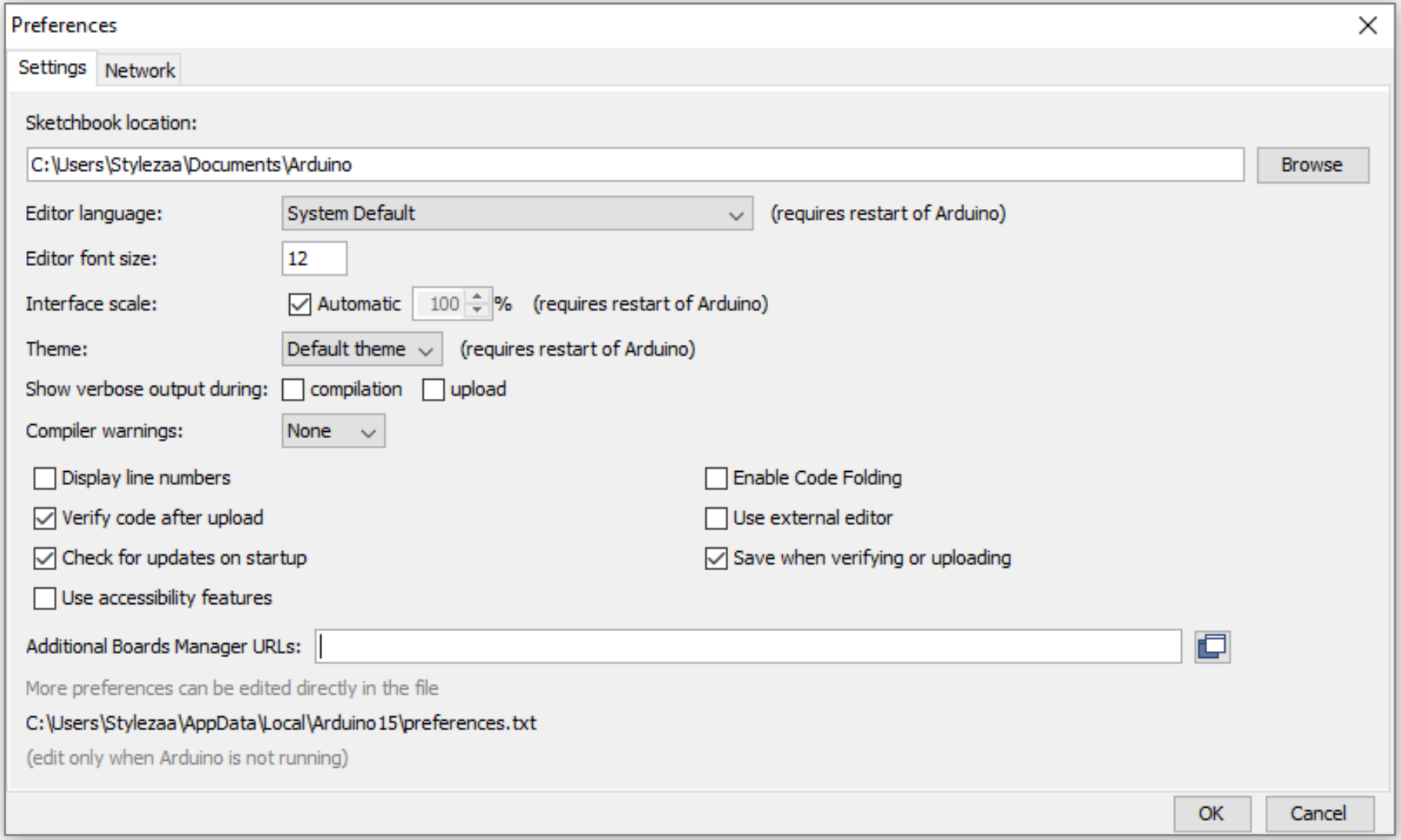
```
void setup() {
  // put your setup code here, to run once:

}

void loop() {
  // put your main code here, to run repeatedly:

}
```

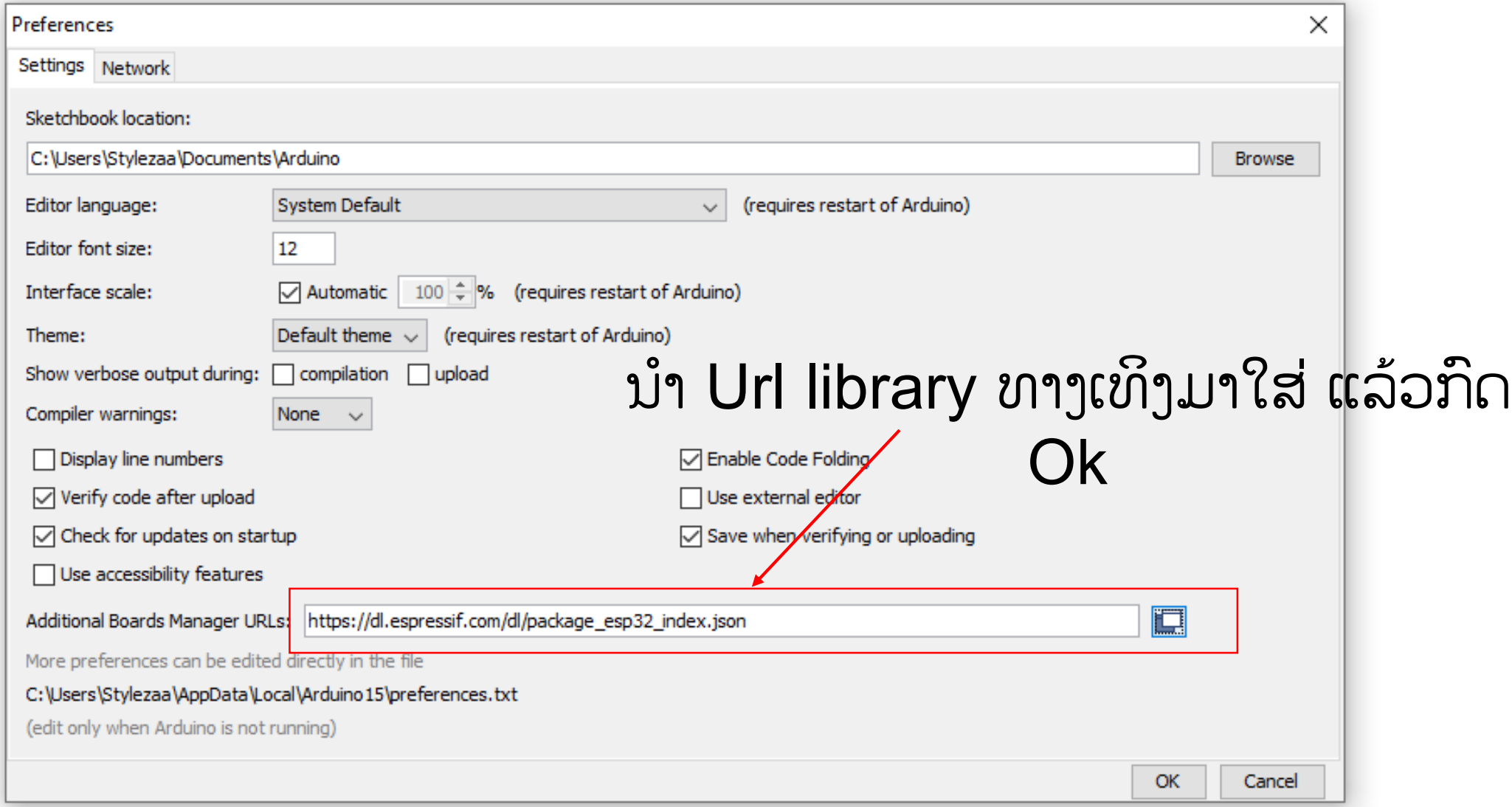
1

Arduino Uno on COM3

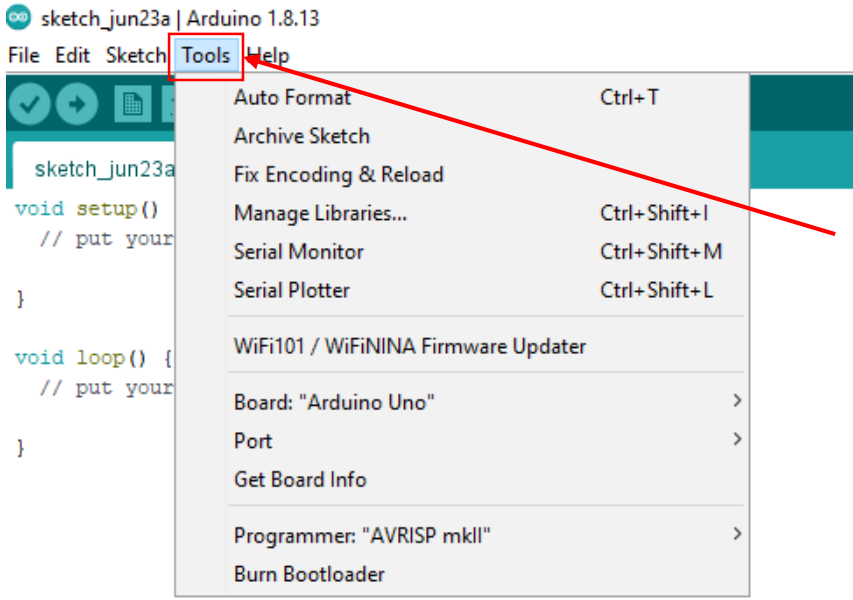

sketch_jun23a | Arduino 1.8.13
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Open Recent
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+Comma
Quit Ctrl+Q
re, to run once:
e, to run repeatedly:
ກົດທີ File


sketch_jun23a | Arduino 1.8.13
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Open Recent
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+Comma
Quit Ctrl+Q
re, to run once:
e, to run repeatedly:
ເລືອກທີ Preferences

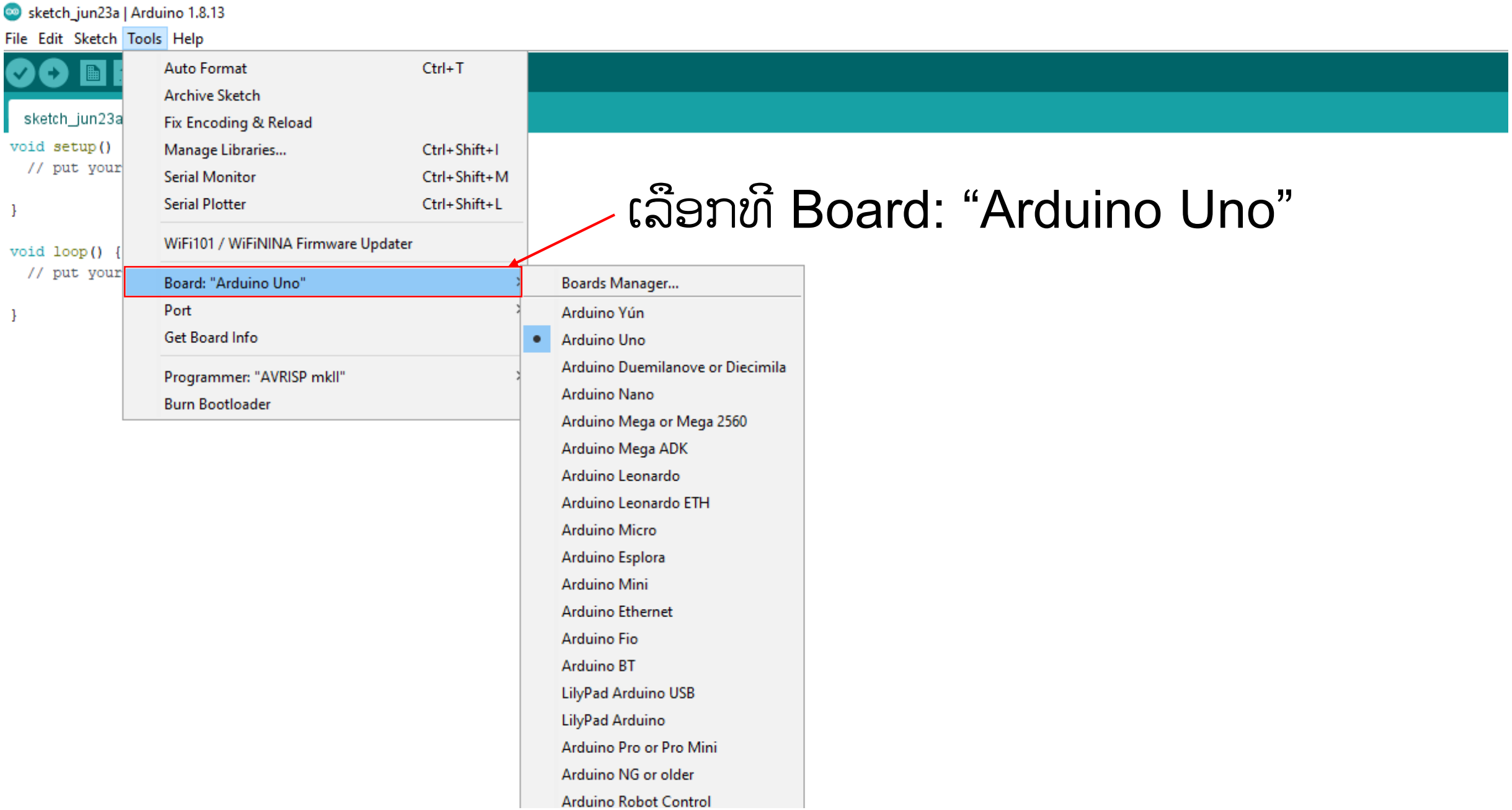

Preferences
Settings
Network
Sketchbook location:
C:\Users\Stylezaa\Documents\Arduino
Browse
Editor language:
System Default
(requires restart of Arduino)
Editor font size:
12
Interface scale:
Automatic
100
%
(requires restart of Arduino)
Theme:
Default theme
(requires restart of Arduino)
Show verbose output during:
compilation
upload
Compiler warnings:
None
Display line numbers
Enable Code Folding
Verify code after upload
Use external editor
Check for updates on startup
Save when verifying or uploading
Use accessibility features
Additional Boards Manager URLs:
More preferences can be edited directly in the file
C:\Users\Stylezaa\AppData\Local\Arduino15\preferences.txt
(edit only when Arduino is not running)
OK
Cancel



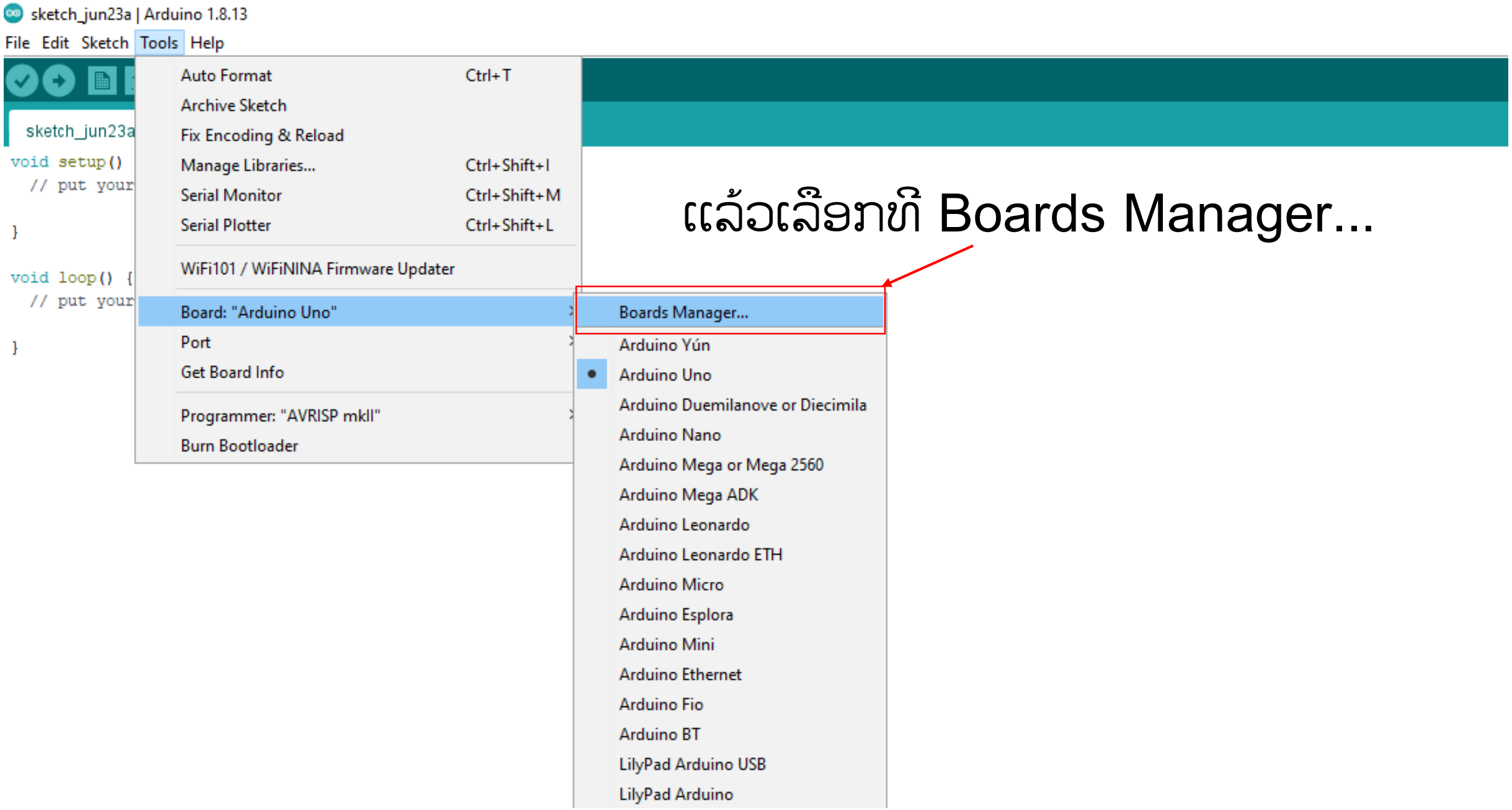
ນຳ Url library ທາງເທິງມາໃສ່ ແລ້ວກົດ Ok



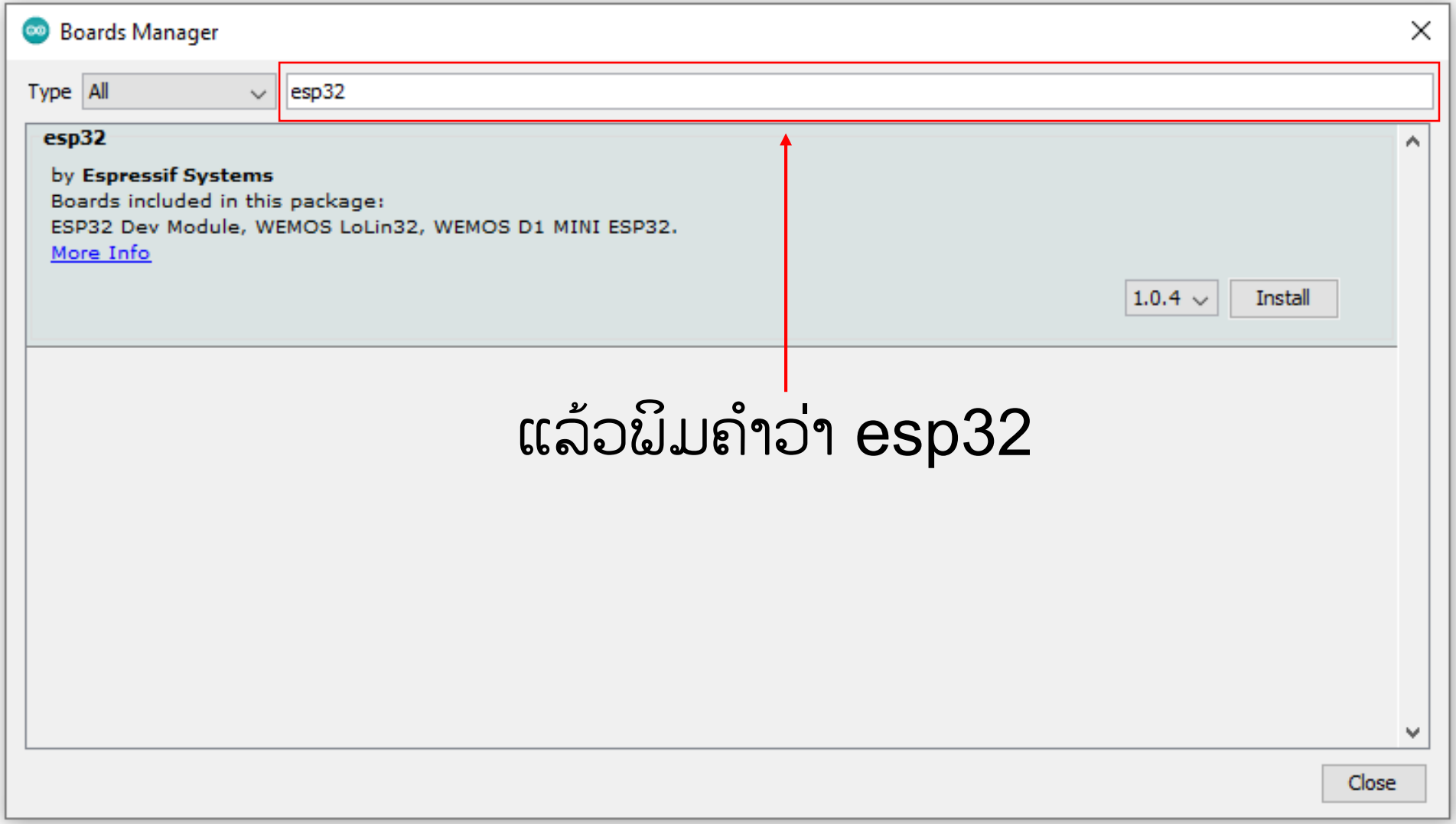
ຫຼັງຈາກນັ້ນເລືອກທີ Tools



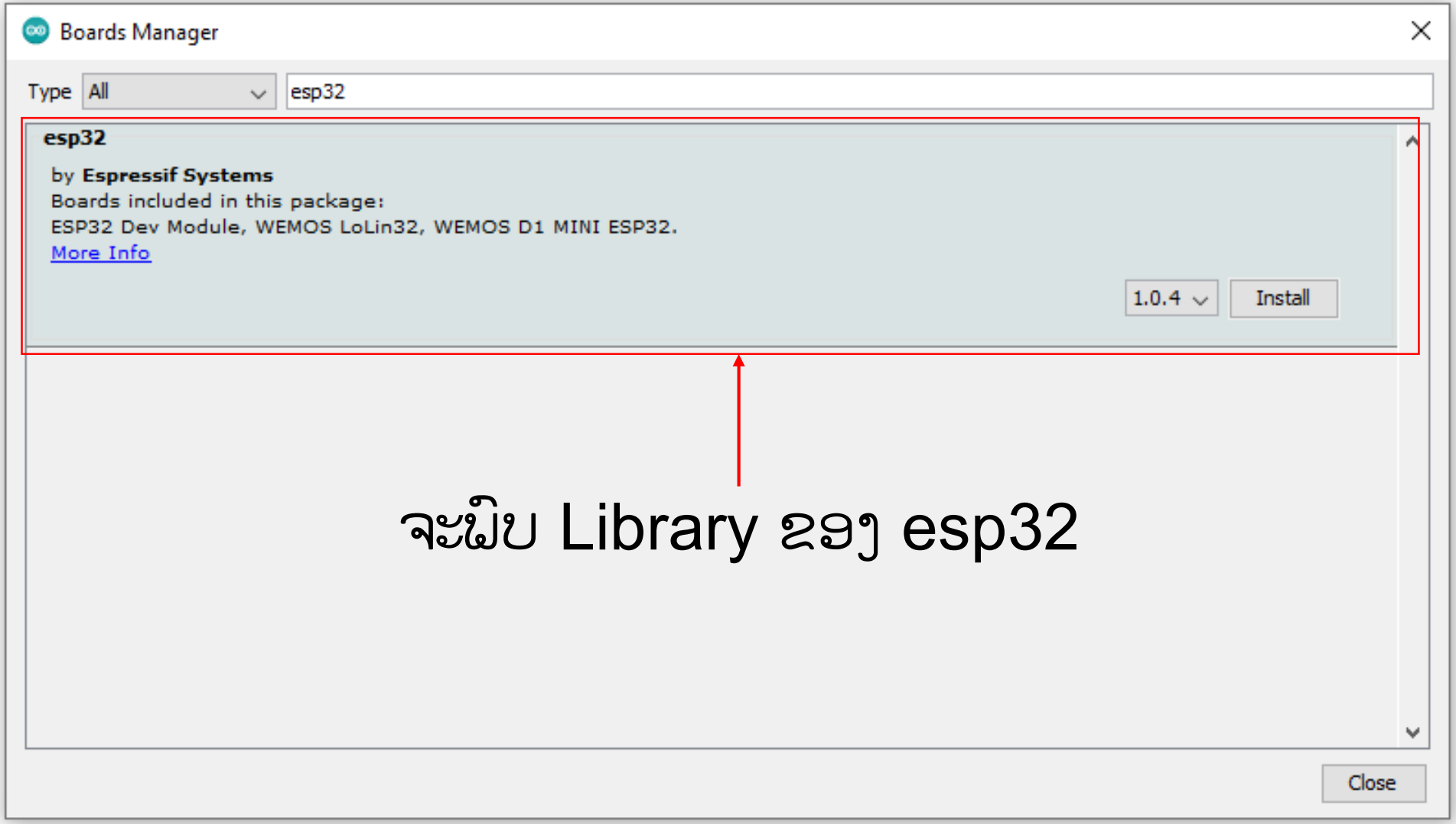
ເລືອກທີ Board: “Arduino Uno”


sketch_jun23a | Arduino 1.8.13
File Edit Sketch Tools Help
sketch_jun23a
void setup()
// put your
}
void loop() {
// put your
}
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino Uno"
Port
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Boards Manager...
Arduino Yún
Arduino Uno
Arduino Duemilanove or Diecimila
Arduino Nano
Arduino Mega or Mega 2560
Arduino Mega ADK
Arduino Leonardo
Arduino Leonardo ETH
Arduino Micro
Arduino Esplora
Arduino Mini
Arduino Ethernet
Arduino Fio
Arduino BT
LilyPad Arduino USB
LilyPad Arduino
ແລ້ວເລືອກທີ Boards Manager...

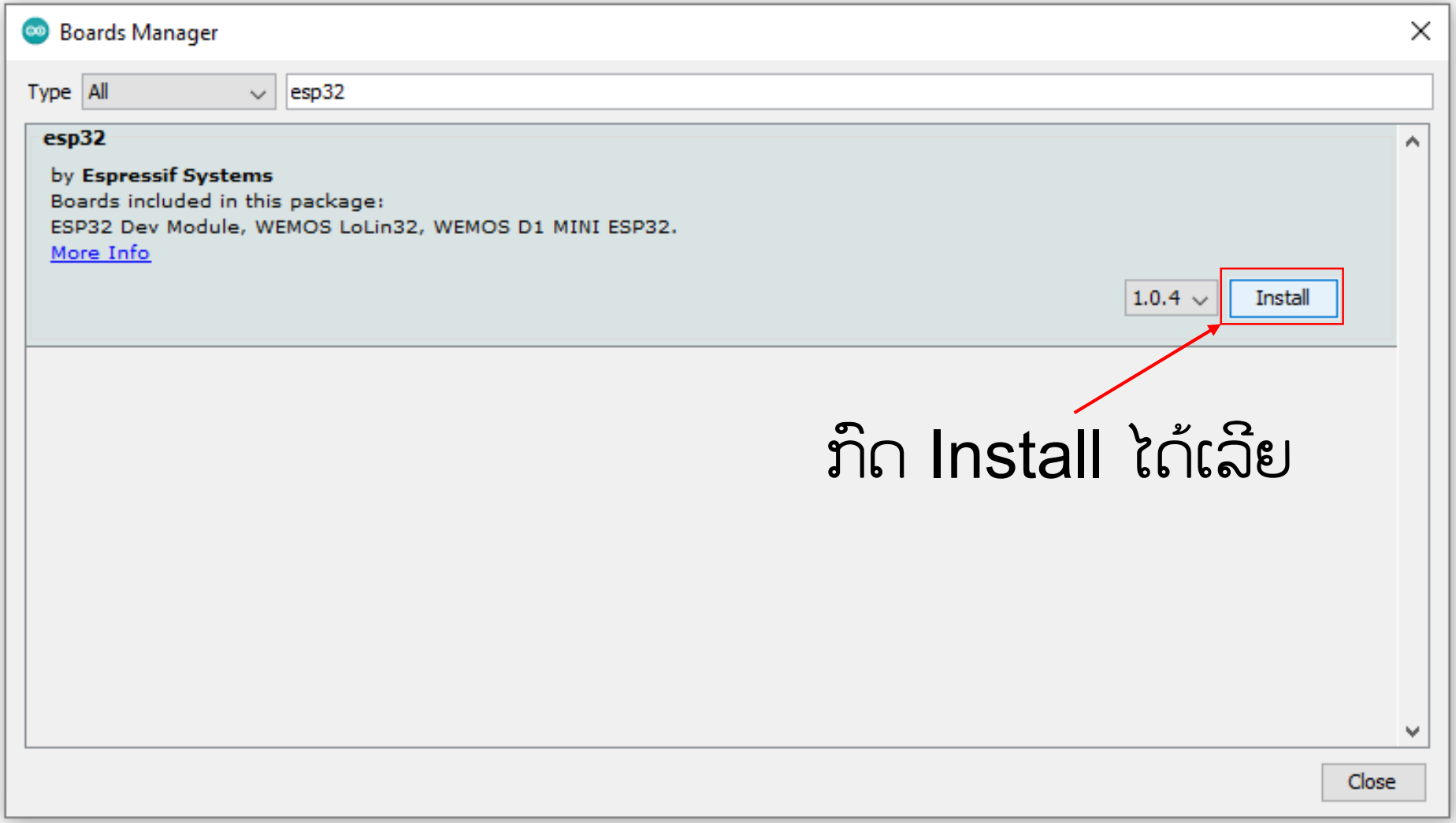

Boards Manager
Type
All
Arduino AVR Boards
Built-In by Arduino version 1.8.3 INSTALLED
Boards included in this package:
Arduino Yún, Arduino Uno, Arduino Uno WiFi, Arduino Diecimila, Arduino Nano, Arduino Mega, Arduino MegaADK, Arduino Leonardo, Arduino Leonardo Ethernet, Arduino Micro, Arduino Esplora, Arduino Mini, Arduino Ethernet, Arduino Fio, Arduino BT, Arduino LilyPadUSB, Arduino Lilypad, Arduino Pro, Arduino ATMegaNG, Arduino Robot Control, Arduino Robot Motor, Arduino Gemma, Adafruit Circuit Playground, Arduino Yún Mini, Arduino Industrial 101, Linino One.
Online Help
More Info
Select vers...
Install
Arduino megaAVR Boards
by Arduino
Boards included in this package:
Arduino Uno WiFi Rev2, Arduino Nano Every.
Online Help
More Info
Arduino SAM Boards (32-bits ARM Cortex-M3)
Close



ແລ້ວພິມຄຳວ່າ esp32



ຈະພົບ Library ຂອງ esp32

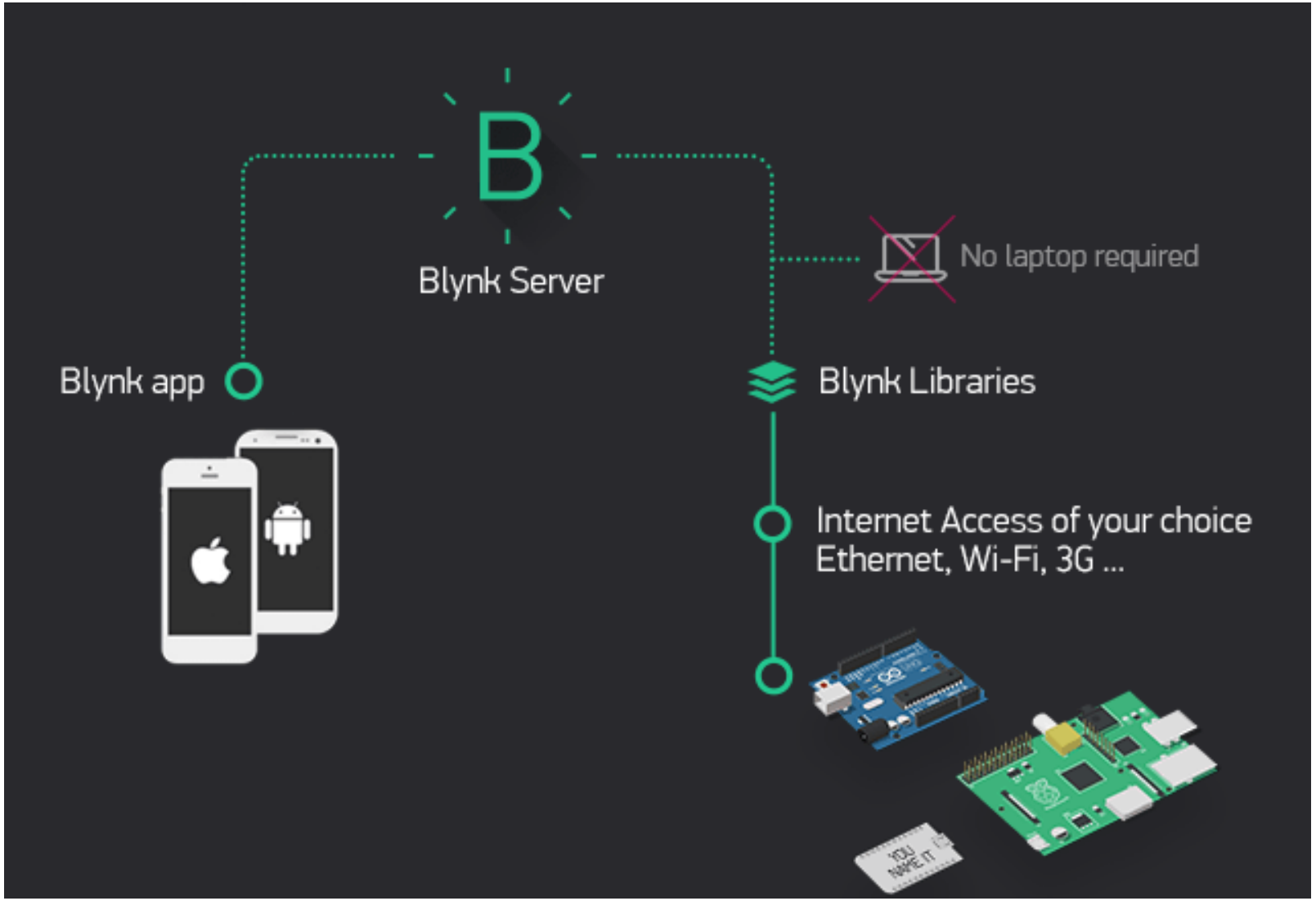

Boards Manager
Type
All
esp32
esp32
by Espressif Systems
Boards included in this package:
ESP32 Dev Module, WEMOS LoLin32, WEMOS D1 MINI ESP32.
More Info
1.0.4
Install
ກົດ Install ໄດ້ເລີຍ
Close


Boards Manager
Type
All
esp32
esp32
by Espressif Systems version 1.0.4 INSTALLED
Boards included in this package:
ESP32 Dev Module, WEMOS LoLin32, WEMOS D1 MINI ESP32.
More Info
Select version
Install
Remove
ແລ້ວກົດ Close ໄດ້ເລີຍ
Close

ຈິບກາມລິງ Library esp32

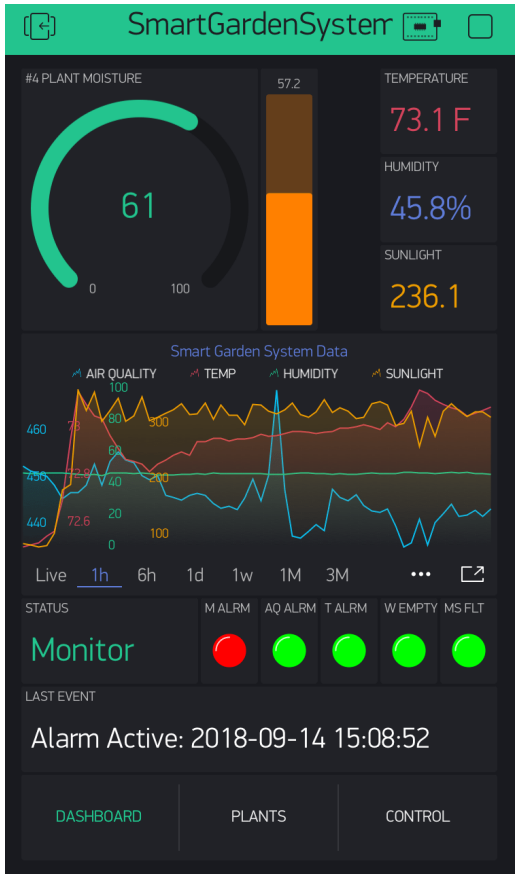
What is Blynk?

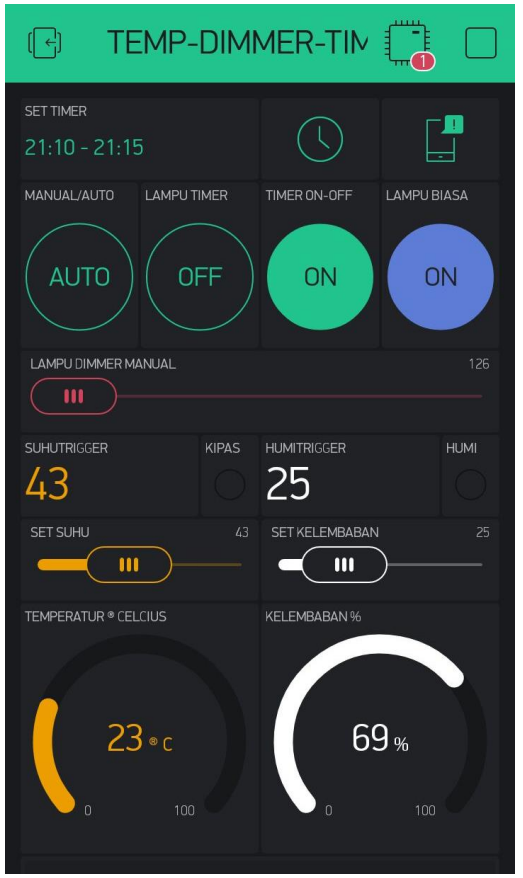
Blynk


B
Blynk Server
No laptop required
Blynk app
Blynk Libraries
Internet Access of your choice
Ethernet, Wi-Fi, 3G ...

Blynk Work ?

Blynk Feature





ການຕິດຕັ້ງ Library Blynk

sketch_jun22a | Arduino 1.8.13

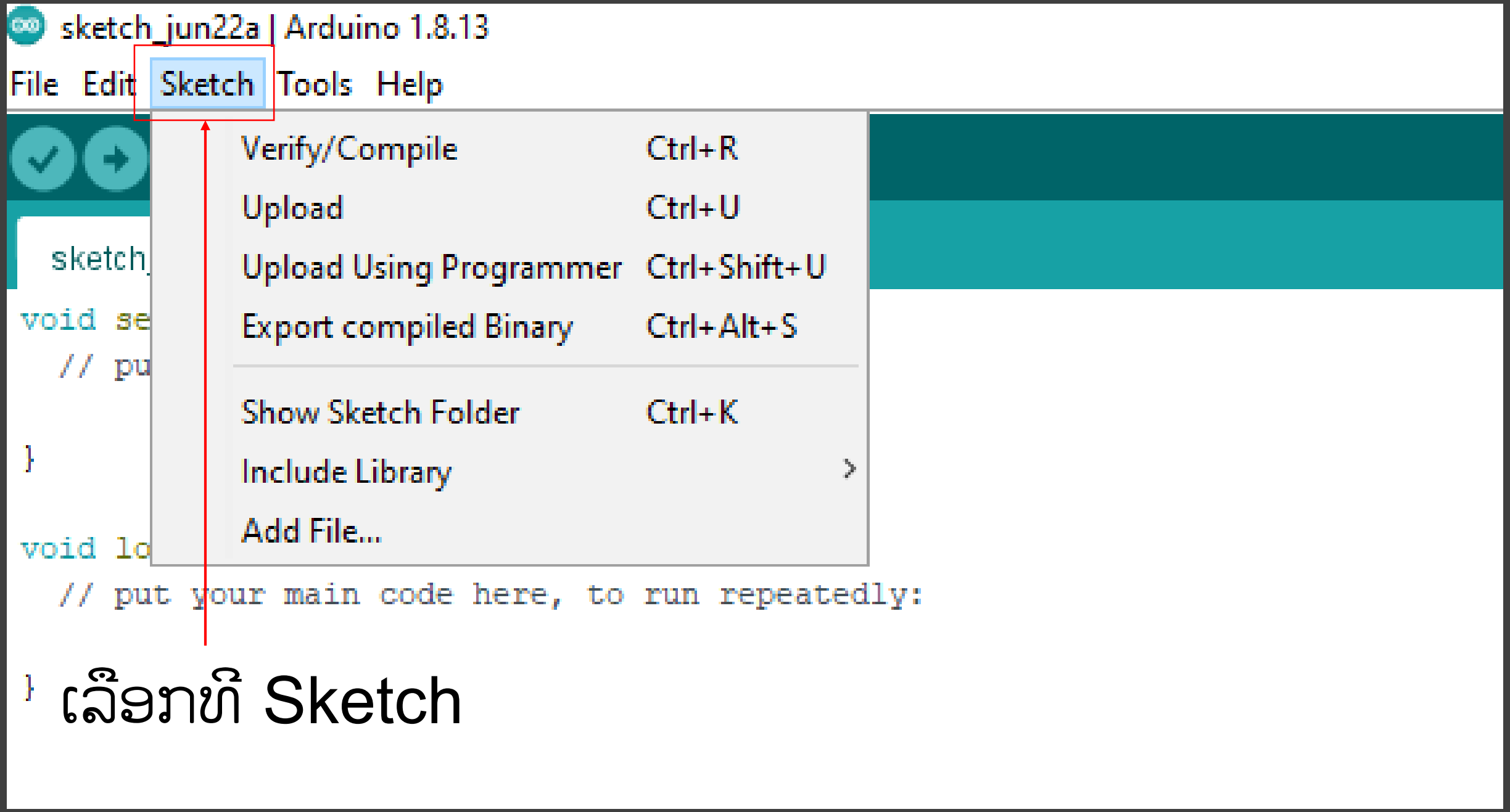
File Edit Sketch Tools Help

sketch_jun22a

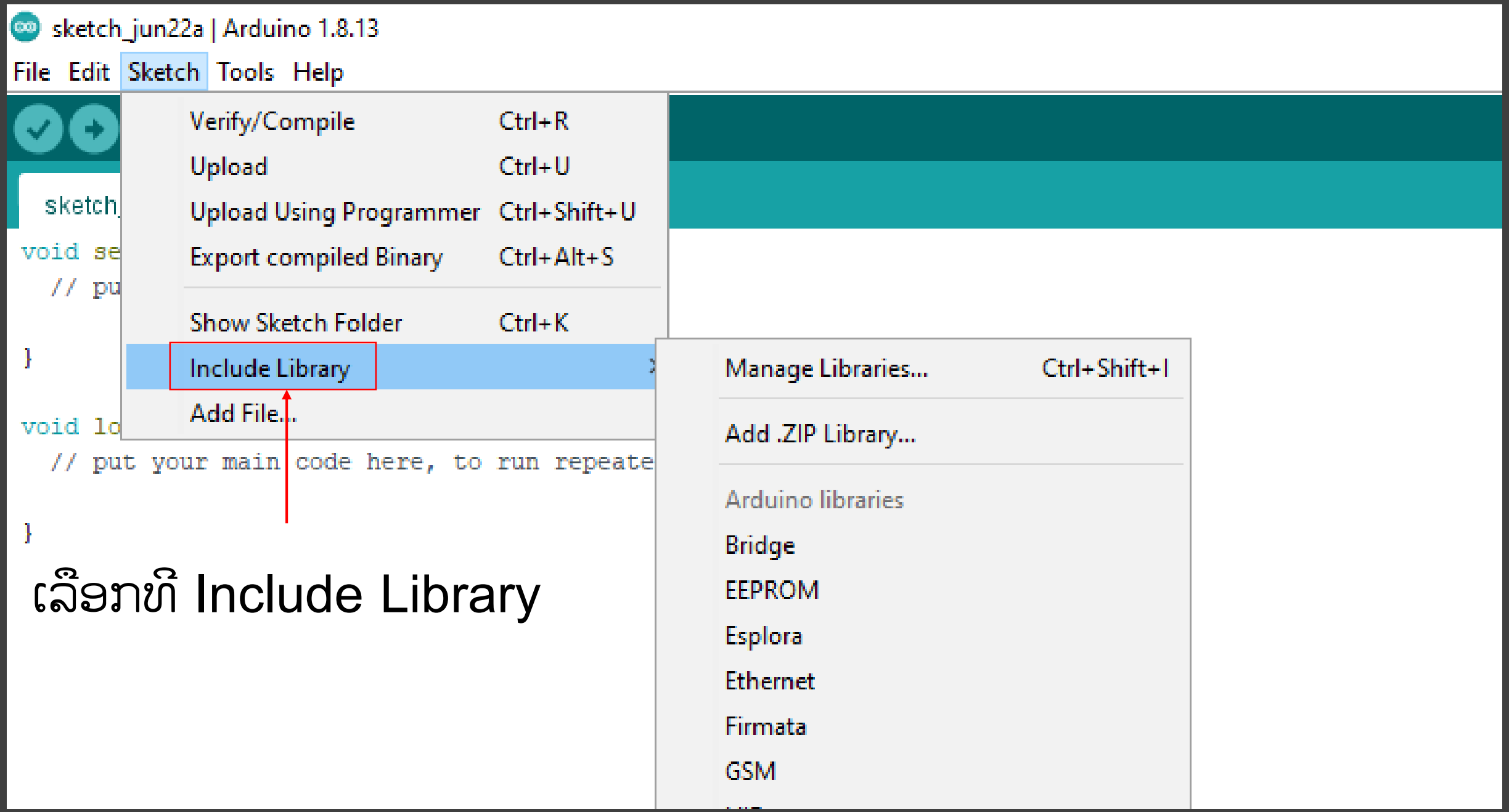
```
void setup() {
  // put your setup code here, to run once:

}

void loop() {
  // put your main code here, to run repeatedly:

}
```

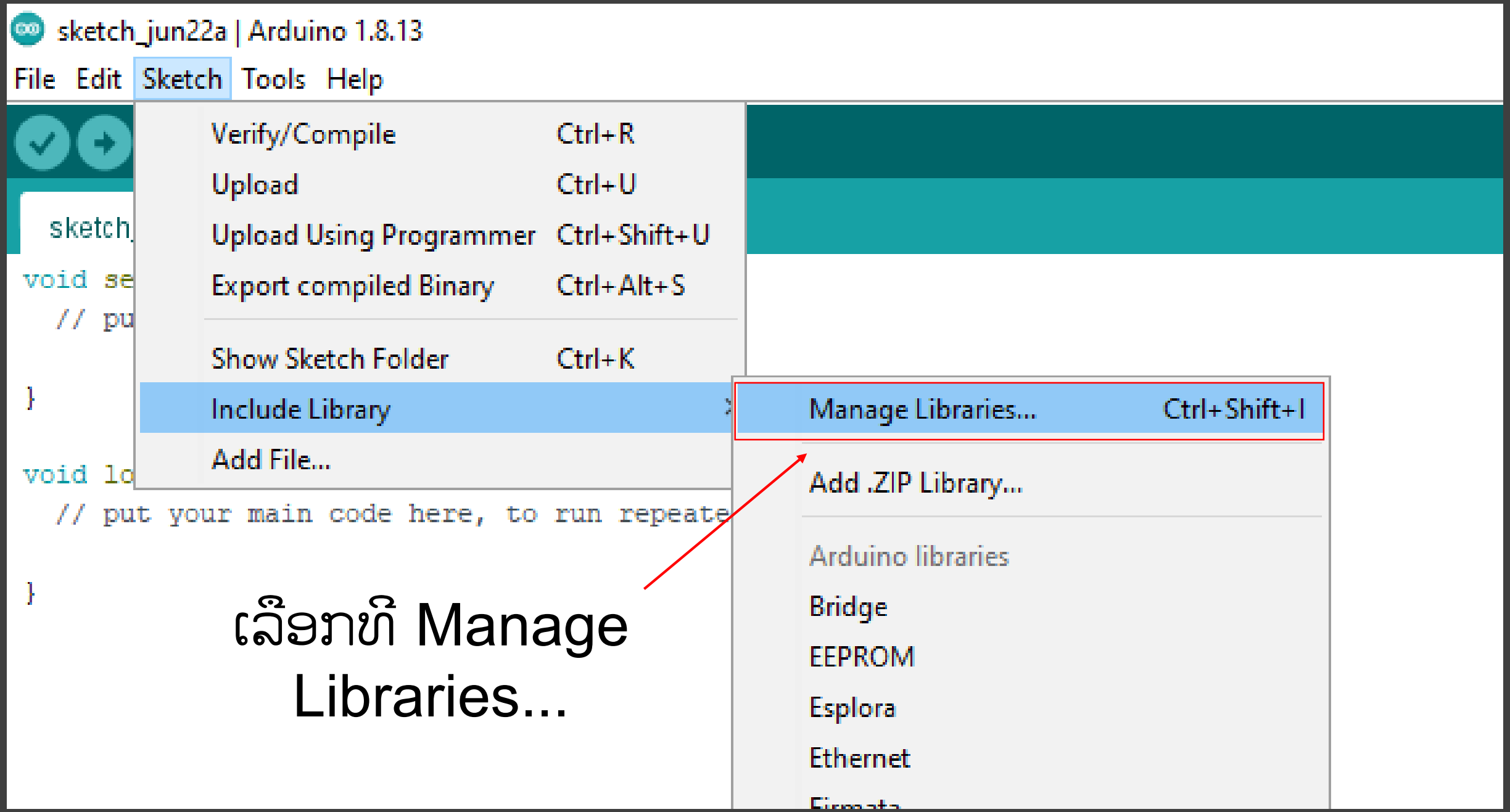
3

Arduino Uno on COM3



ເລືອກທີ Sketch


sketch_jun22a | Arduino 1.8.13
File Edit Sketch Tools Help
Verify/Compile Ctrl+R
Upload Ctrl+U
Upload Using Programmer Ctrl+Shift+U
Export compiled Binary Ctrl+Alt+S
Show Sketch Folder Ctrl+K
Include Library
Add File...
Manage Libraries... Ctrl+Shift+I
Add .ZIP Library...
Arduino libraries
Bridge
EEPROM
Esplora
Ethernet
Firmata
GSM
// put your main code here, to run repeate
ເລືອກທີ Include Library


sketch_jun22a | Arduino 1.8.13
File Edit Sketch Tools Help
Verify/Compile Ctrl+R
Upload Ctrl+U
Upload Using Programmer Ctrl+Shift+U
Export compiled Binary Ctrl+Alt+S
Show Sketch Folder Ctrl+K
Include Library
Add File...
Manage Libraries... Ctrl+Shift+I
Add .ZIP Library...
Arduino libraries
Bridge
EEPROM
Esplora
Ethernet
// put your main code here, to run repeate
ເລືອກທີ Manage Libraries...

sketch_jun22a | Arduino 1.8.13

File Edit Sketch Tools Help

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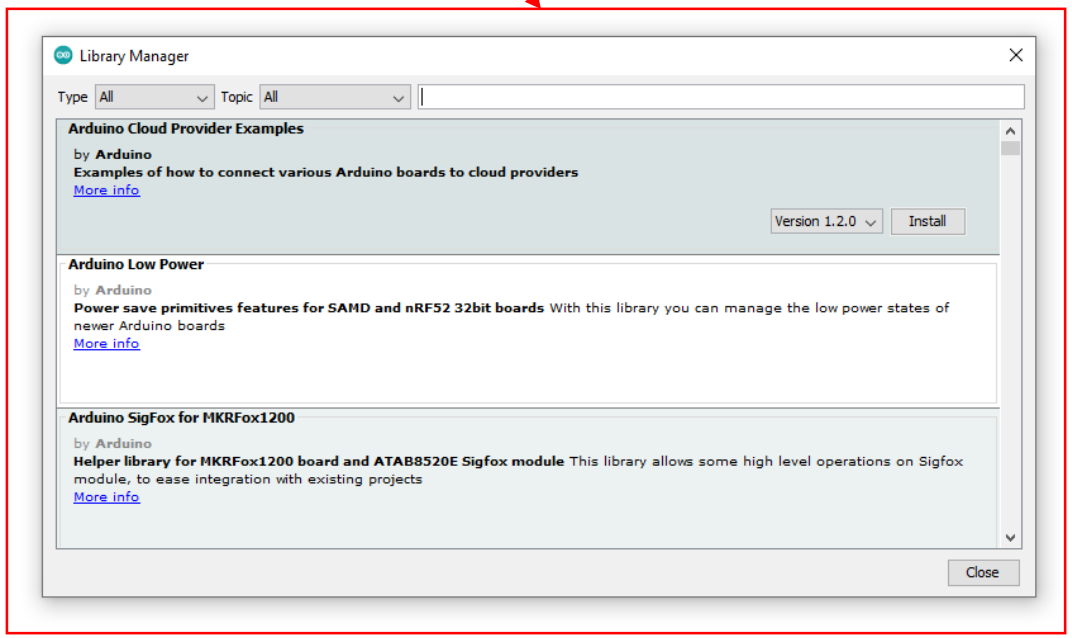
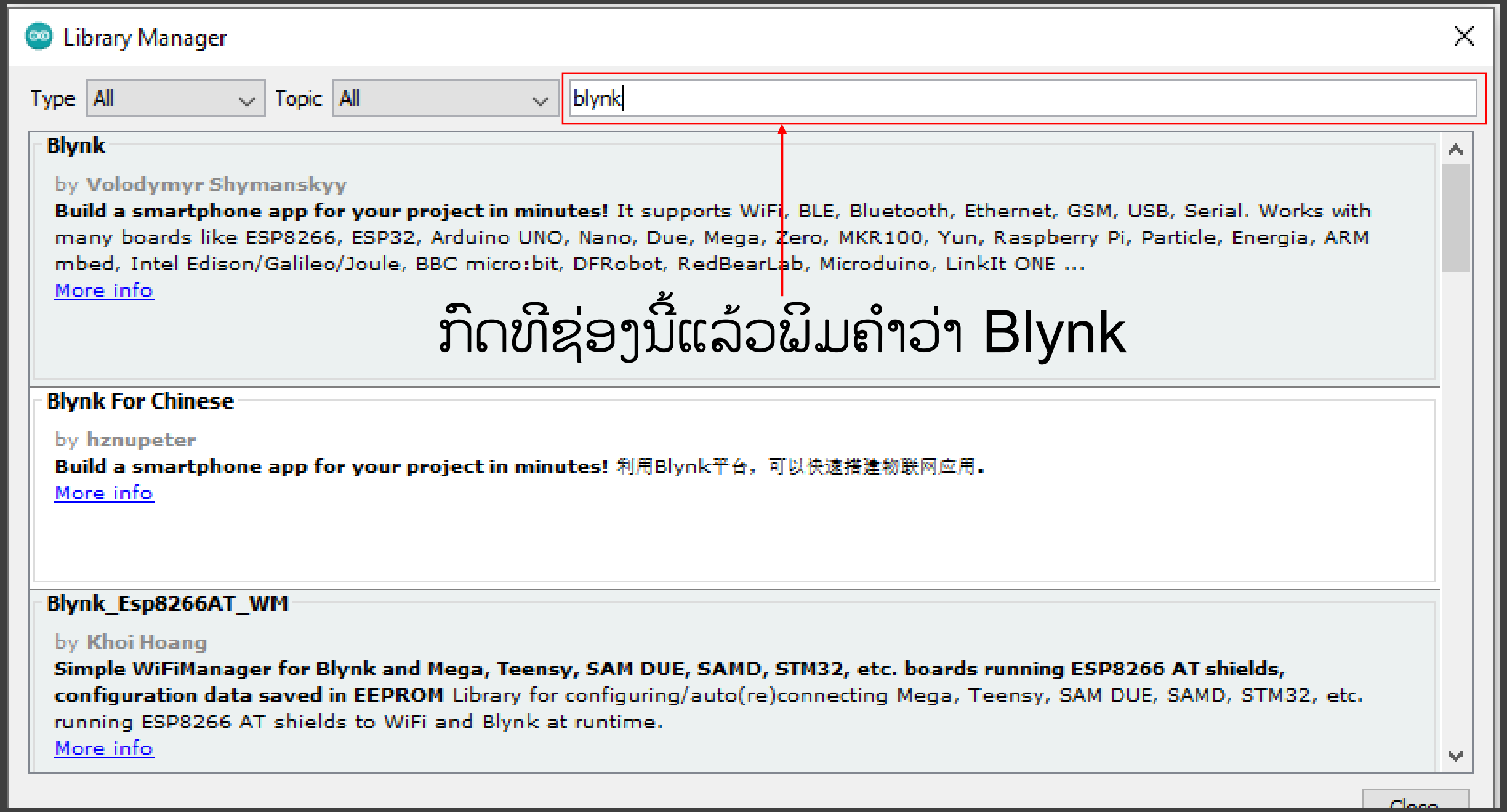
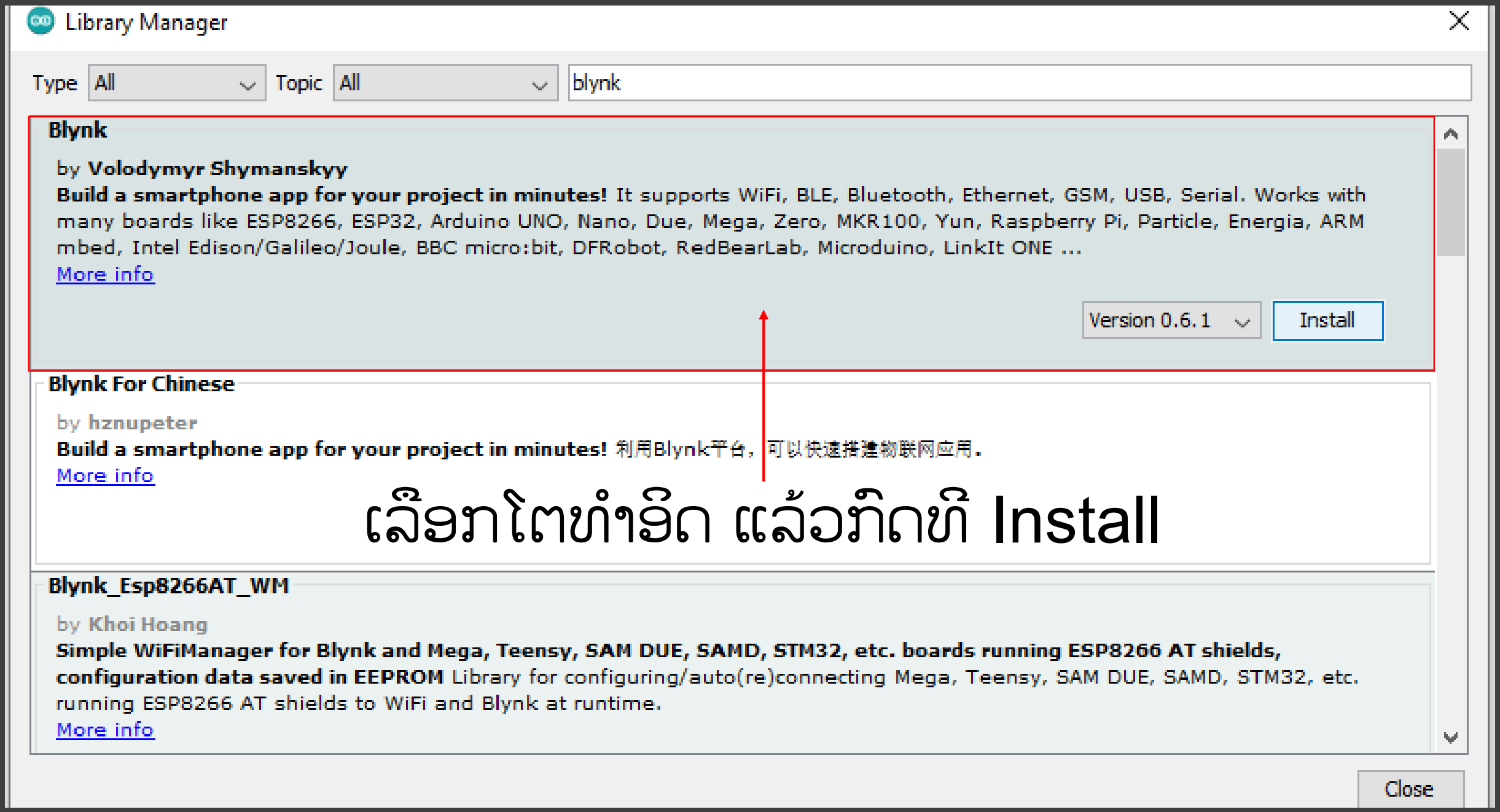
ຈະປາກົດໜ້າຕ່າງນີ້ຂຶ້ນມາ



3

Arduino Uno on COM3


Library Manager
Type All Topic All blynk
Blynk
by Volodymyr Shymanskyy
Build a smartphone app for your project in minutes! It supports WiFi, BLE, Bluetooth, Ethernet, GSM, USB, Serial. Works with many boards like ESP8266, ESP32, Arduino UNO, Nano, Due, Mega, Zero, MKR100, Yun, Raspberry Pi, Particle, Energia, ARM mbed, Intel Edison/Galileo/Joule, BBC micro:bit, DFRobot, RedBearLab, Microduino, LinkIt ONE ...
More info
ກົດທີ່ຊ່ອງນີ້ແລ້ວພິມຄຳວ່າ Blynk
Blynk For Chinese
by hznupeter
Build a smartphone app for your project in minutes! 利用Blynk平台，可以快速搭建物联网应用。
More info
Blynk_Esp8266AT_WM
by Khoi Hoang
Simple WiFiManager for Blynk and Mega, Teensy, SAM DUE, SAMD, STM32, etc. boards running ESP8266 AT shields, configuration data saved in EEPROM Library for configuring/auto(re)connecting Mega, Teensy, SAM DUE, SAMD, STM32, etc. running ESP8266 AT shields to WiFi and Blynk at runtime.
More info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Version 0.6.1
Install
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ເລືອກໂຕທຳອິດ ແລ້ວກົດທີ Install
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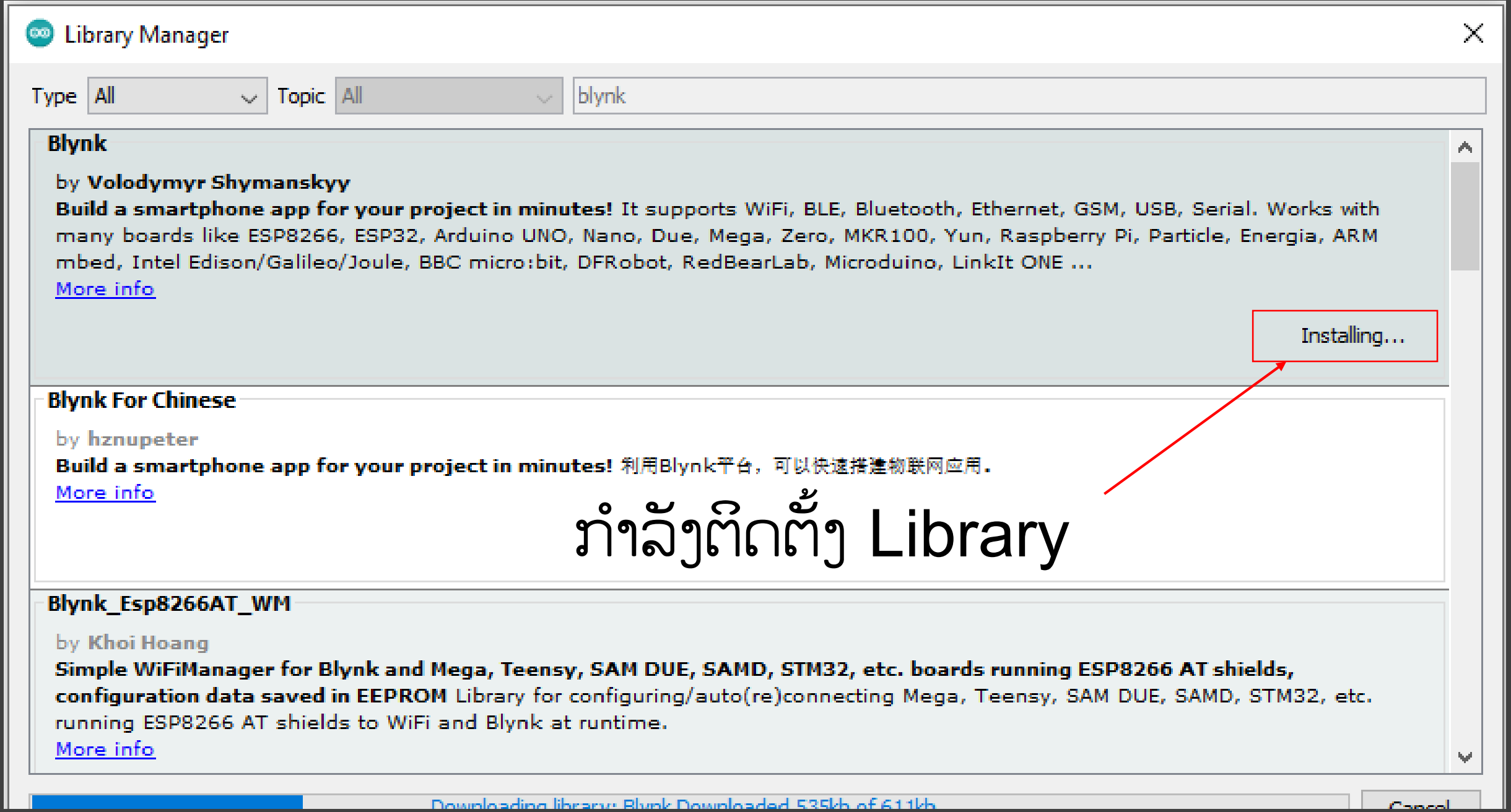
Close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ຈົບແລ້ວ