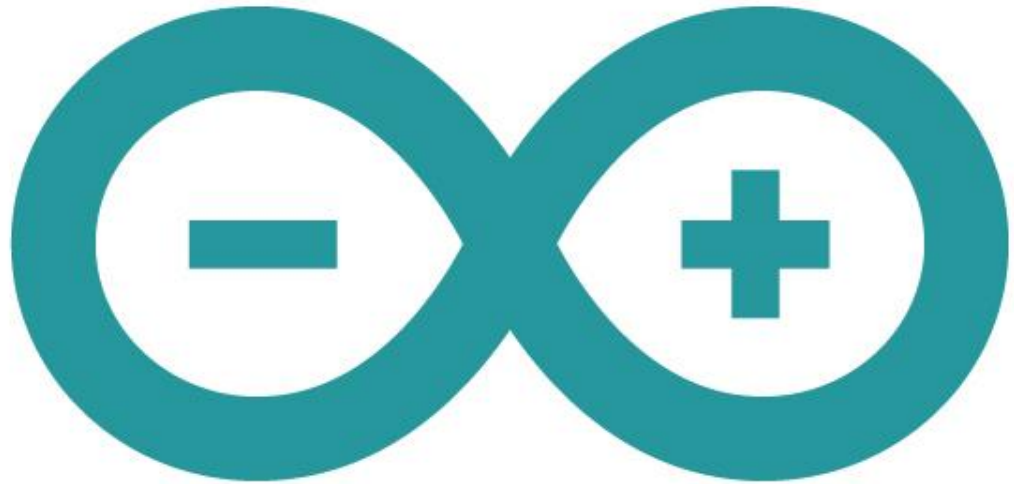

ARDUINO

Arduino IDE Tools

Software | Arduino

arduino.cc/en/software

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Arduino IDE 1.8.15

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board.

Refer to the **Getting Started** page for Installation instructions.

SOURCE CODE

Active development of the Arduino software is **hosted by GitHub**. See the instructions for **building the code**. Latest release source code archives are available **here**. The archives are PGP-signed so they can be verified using **this** gpg key.

DOWNLOAD OPTIONS

Windows Win 7 and newer

Windows ZIP file

Windows app Win 8.1 or 10 Get

Linux 32 bits

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Release Notes Checksums (sha512)

Help

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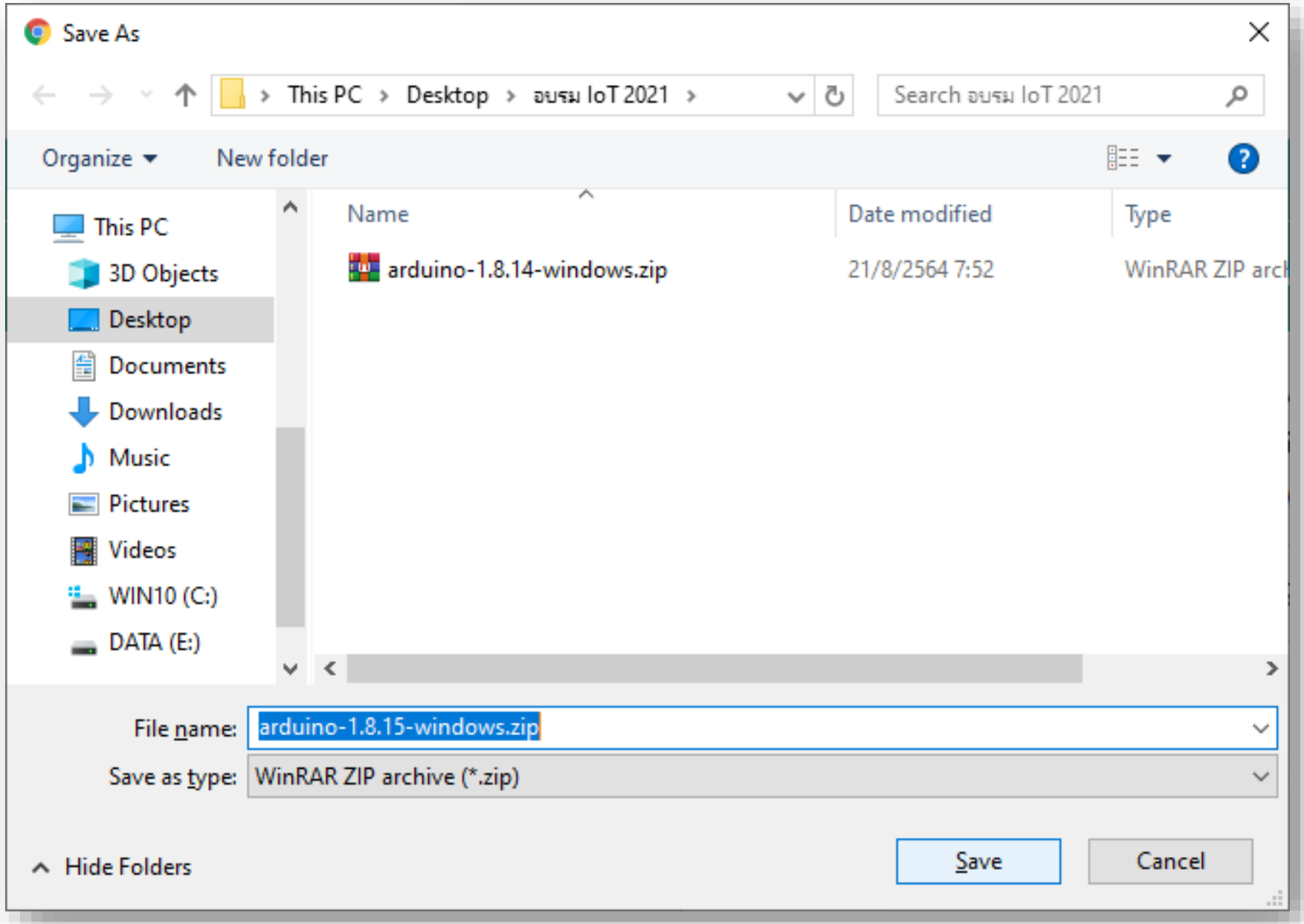
Save As
This PC
Desktop
อบรม IoT 2021
Search อบรม IoT 2021
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
WIN10 (C:)
DATA (E:)
Name
Date modified
Type
arduino-1.8.14-windows.zip
21/8/2564 7:52
WinRAR ZIP arch
File name:
arduino-1.8.15-windows.zip
Save as type:
WinRAR ZIP archive (*.zip)
Hide Folders
Save
Cancel

Software | Arduino

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Linux ARM 32 bits
Linux ARM 64 bits

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arduino

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- Windows Remote **Arduino** Experience App
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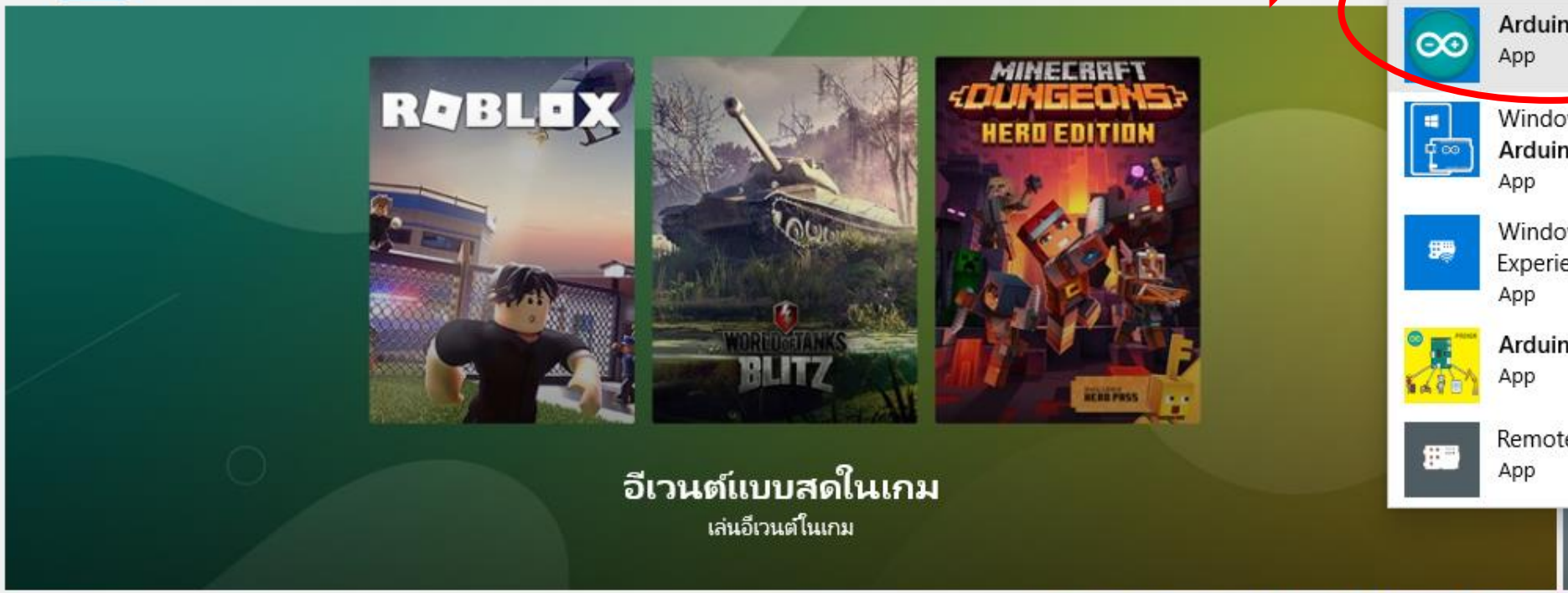
- Remote **Arduino** Monitor App



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Arduino IDE

Arduino LLC • เครื่องมือสำหรับนักพัฒนา

Arduino is an open-source electronics platform based on easy-to-use hardware and software. It's intended for anyone making interactive projects.

เพิ่มเติม

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ฟรี

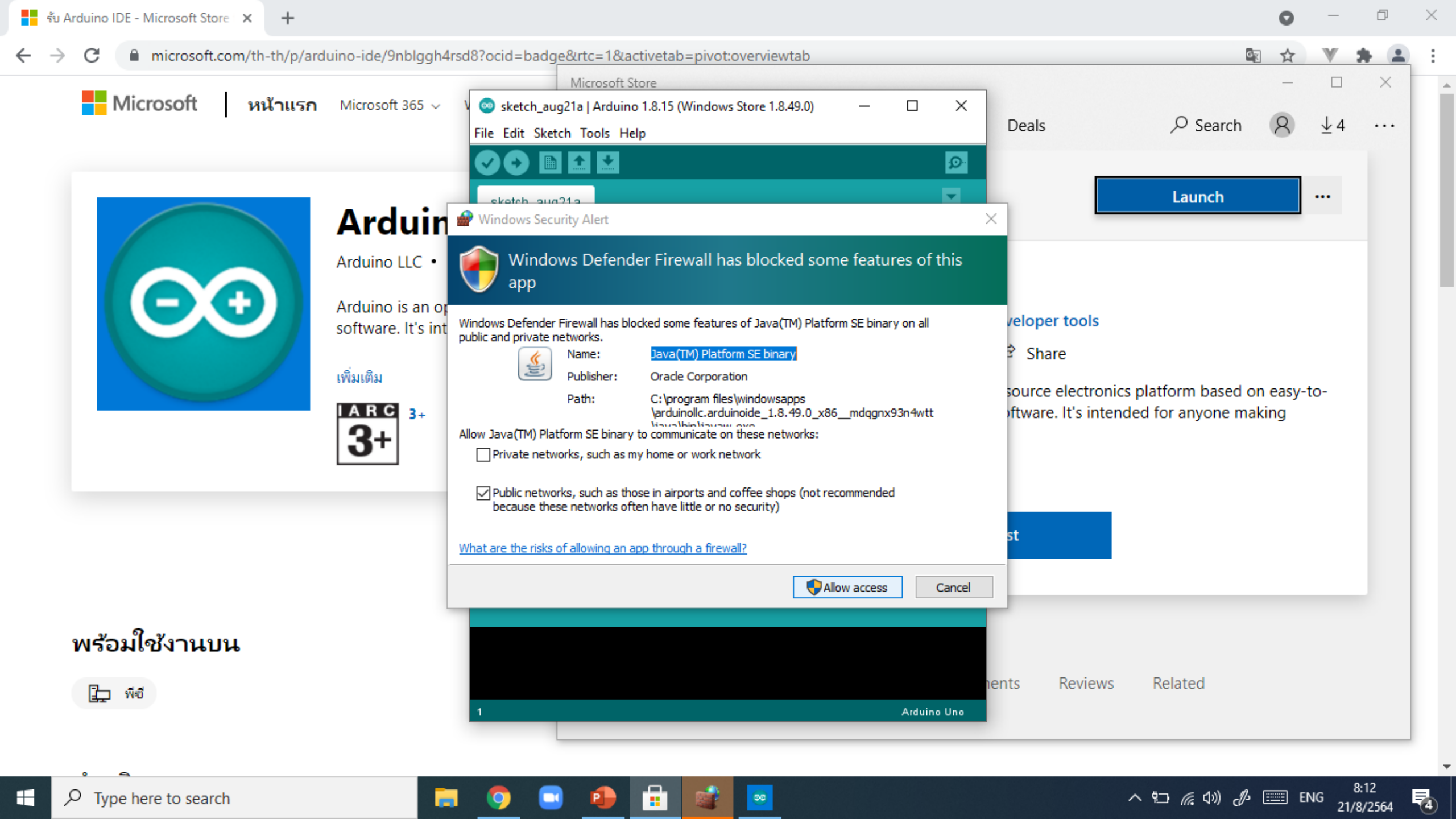
รับ

⚠ ดูความต้องการของระบบ

ภาพรวม ความต้องการของระบบ ที่เกี่ยวข้อง

พร้อมใช้งานบน

พีซี


รับ Arduino IDE - Microsoft Store
microsoft.com/th-th/p/arduino-ide/9nblggh4rsd8?ocid=badge&rtc=1&activetab=pivot:overviewtab
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File Edit Sketch Tools Help
1
Arduino Uno
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Windows Defender Firewall has blocked some features of this app
Windows Defender Firewall has blocked some features of Java(TM) Platform SE binary on all public and private networks.
Name: Java(TM) Platform SE binary
Publisher: Oracle Corporation
Path: C:\program files\windowsapps \arduinollc.arduinoide_1.8.49.0_x86__mdqgnx93n4wtt
Allow Java(TM) Platform SE binary to communicate on these networks:
Private networks, such as my home or work network
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)
What are the risks of allowing an app through a firewall?
Allow access
Cancel
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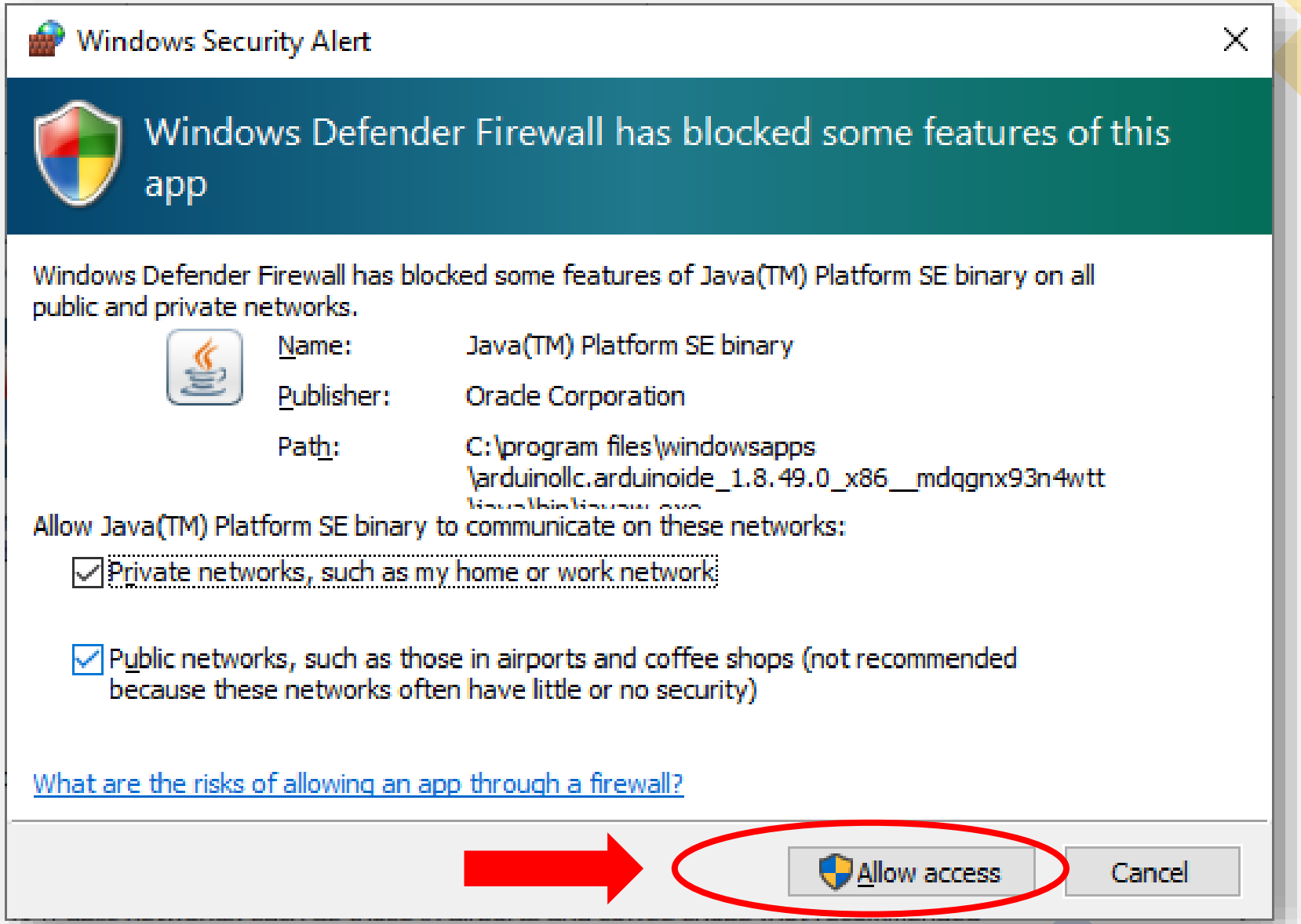
Windows Security Alert
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Windows Defender Firewall has blocked some features of Java(TM) Platform SE binary on all public and private networks.
Name: Java(TM) Platform SE binary
Publisher: Oracle Corporation
Path: C:\program files\windowsapps \arduinollc.arduinoide_1.8.49.0_x86__mdqgnx93n4wtt
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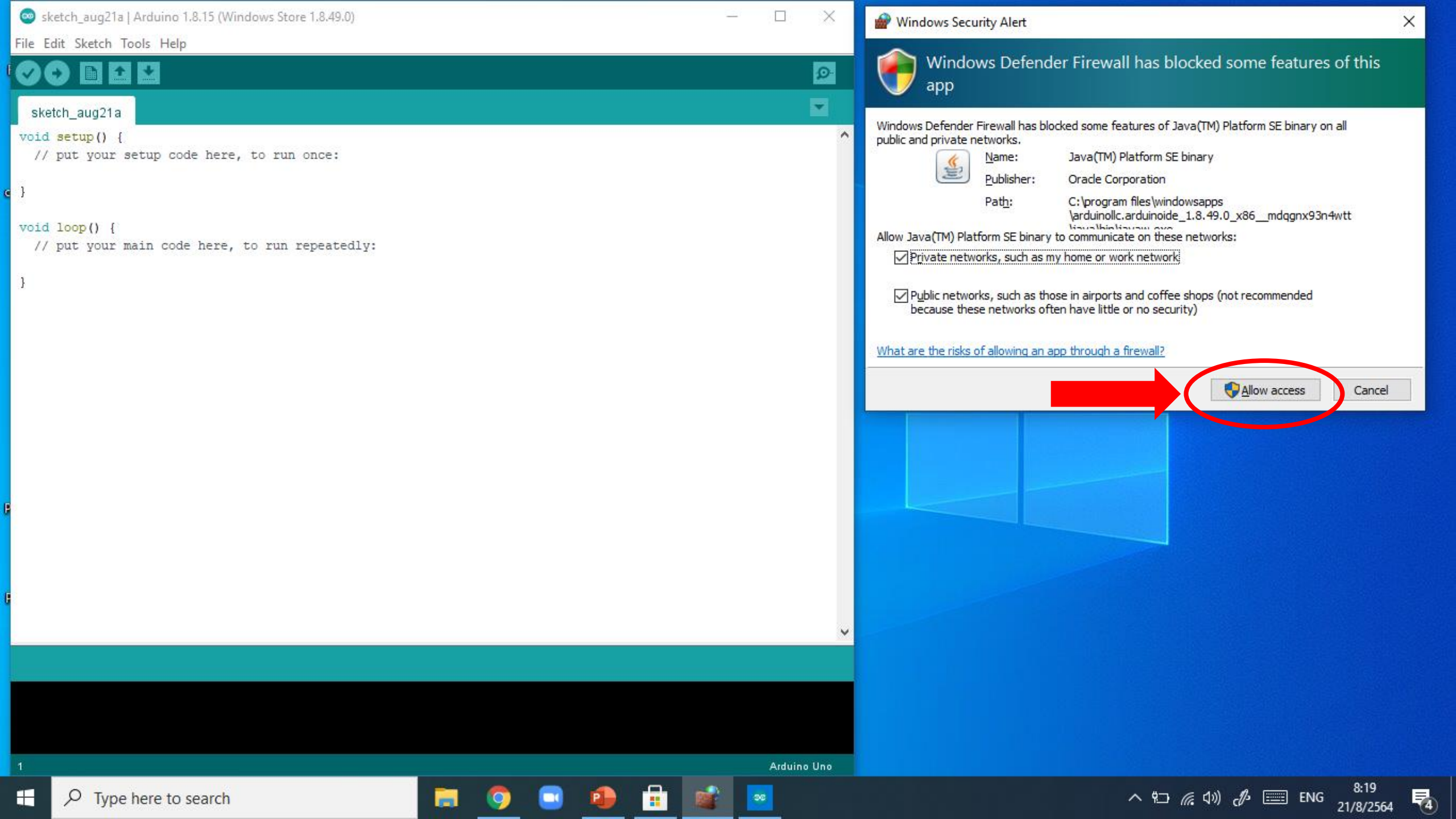
sketch_aug21a | Arduino 1.8.15 (Windows Store 1.8.49.0)
File Edit Sketch Tools Help
sketch_aug21a
void setup() {
// put your setup code here, to run once:
}
void loop() {
// put your main code here, to run repeatedly:
}
1
Arduino Uno
Windows Security Alert
Windows Defender Firewall has blocked some features of this app
Windows Defender Firewall has blocked some features of Java(TM) Platform SE binary on all public and private networks.
Name: Java(TM) Platform SE binary
Publisher: Oracle Corporation
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Private networks, such as my home or work network
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)
What are the risks of allowing an app through a firewall?
Allow access
Cancel
Type here to search
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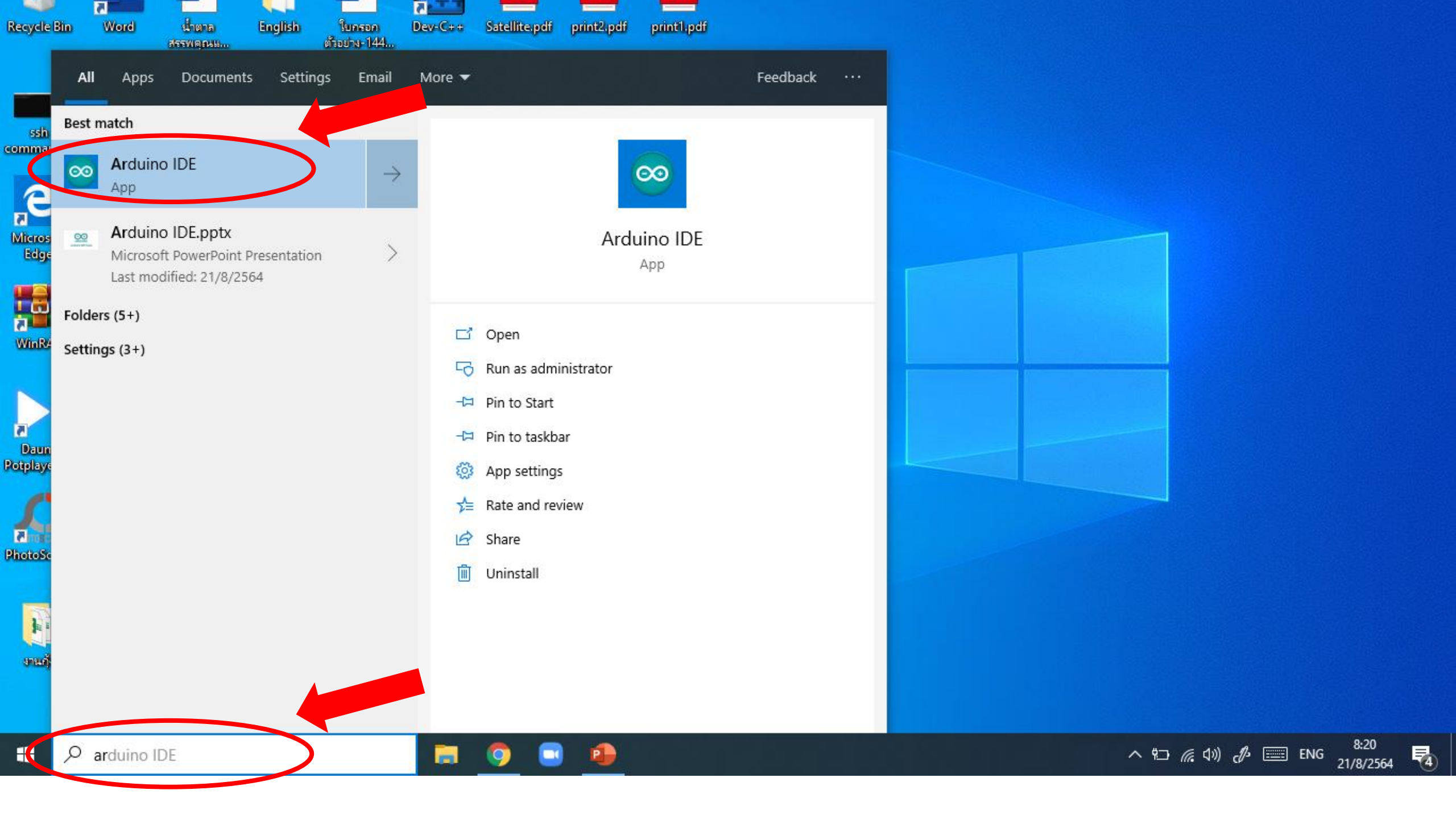
Recycle Bin
Word
English
Dev-C++
Satellite.pdf
print2.pdf
print1.pdf
All
Apps
Documents
Settings
Email
More
Feedback
Best match
Arduino IDE
App
Arduino IDE.pptx
Microsoft PowerPoint Presentation
Last modified: 21/8/2564
Folders (5+)
Settings (3+)
Arduino IDE
App
Open
Run as administrator
Pin to Start
Pin to taskbar
App settings
Rate and review
Share
Uninstall
arduino IDE
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8:20
21/8/2564

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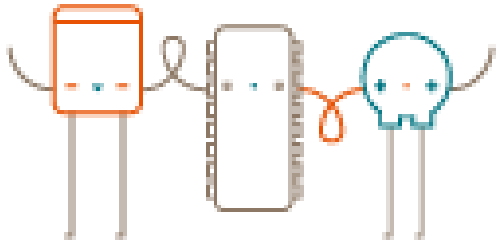

Preparing boards...

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File Edit Sketch Tools Help

sketch_aug21a

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

}

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

}
```

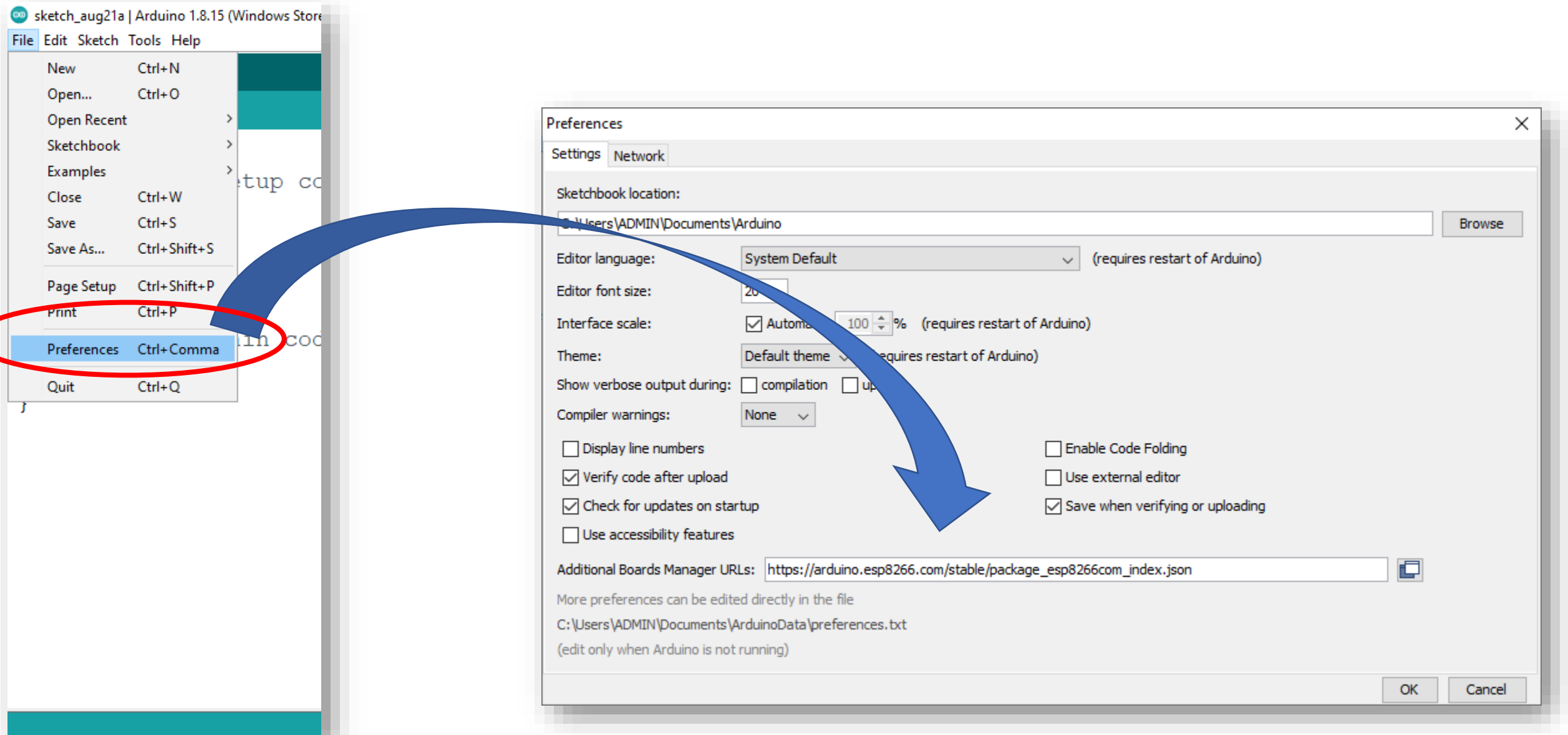
9

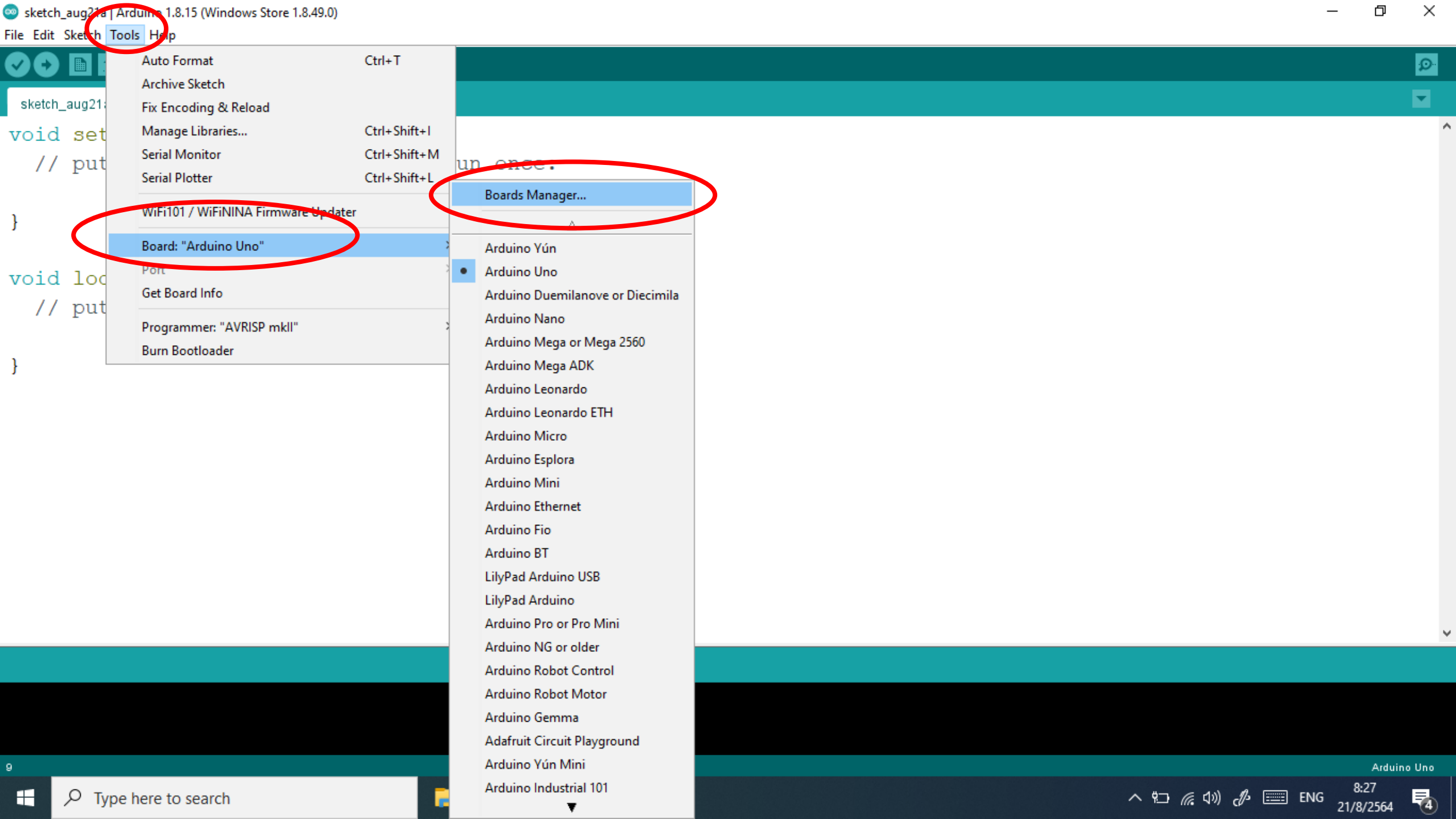
Arduino Uno

Type here to search

ENG 8:22 21/8/2564

https://arduino.**esp8266**.com/stable/package_esp8266com_index.**json**




sketch_aug21a | Arduino 1.8.15 (Windows Store 1.8.49.0)
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
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WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino Uno"
Port
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Boards Manager...
Arduino Yún
Arduino Uno
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Arduino BT
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Adafruit Circuit Playground
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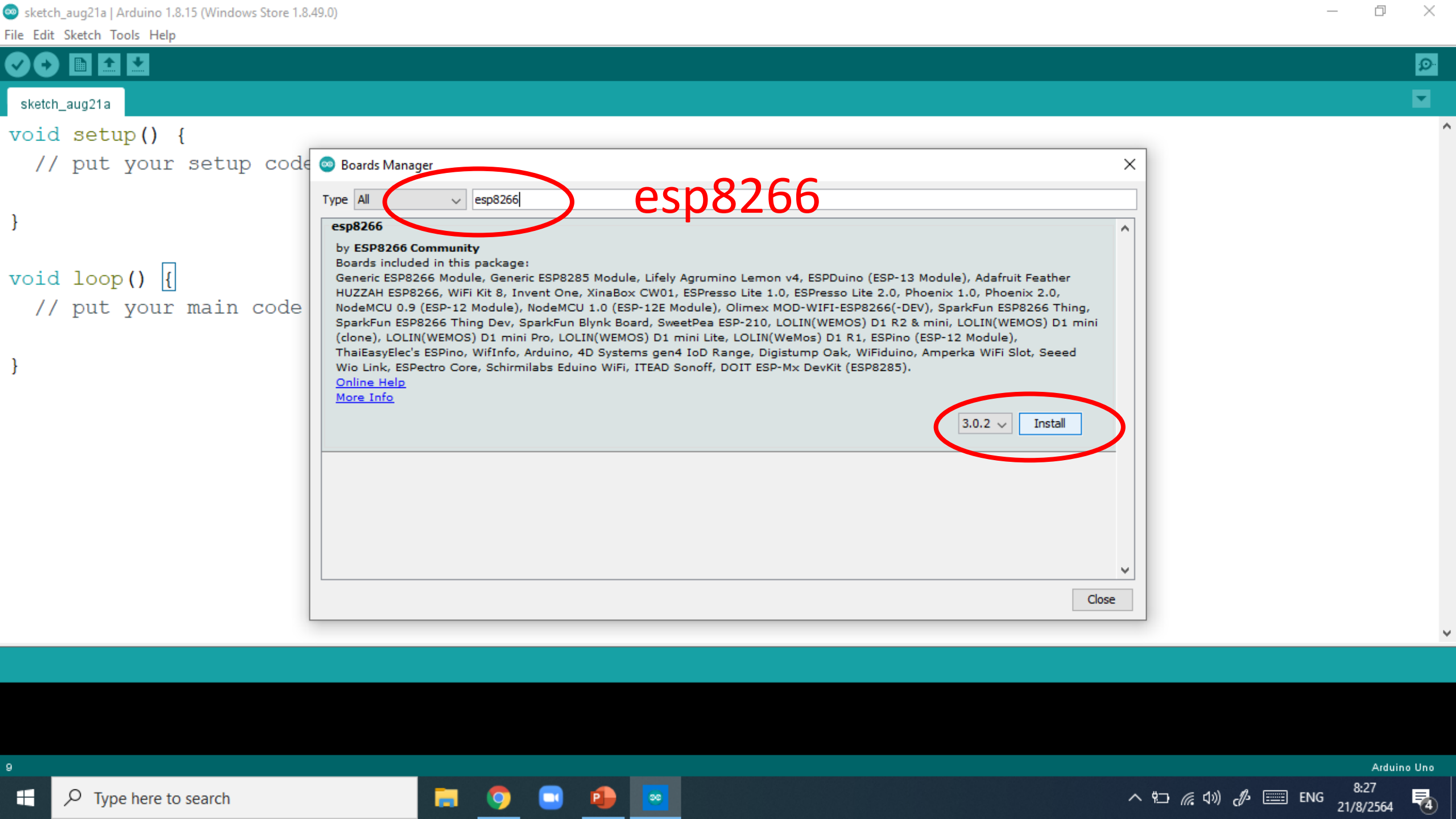
sketch_aug21a | Arduino 1.8.15 (Windows Store 1.8.49.0)
File Edit Sketch Tools Help
sketch_aug21a
void setup() {
// put your setup code
}
void loop() {
// put your main code
}
Boards Manager
Type All
esp8266
esp8266
esp8266
by ESP8266 Community
Boards included in this package:
Generic ESP8266 Module, Generic ESP8285 Module, Lifely Agrumino Lemon v4, ESPDuino (ESP-13 Module), Adafruit Feather HUZZAH ESP8266, WiFi Kit 8, 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 (clone), LOLIN(WEMOS) D1 mini Pro, LOLIN(WEMOS) D1 mini Lite, LOLIN(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
3.0.2
Install
Close
Arduino Uno
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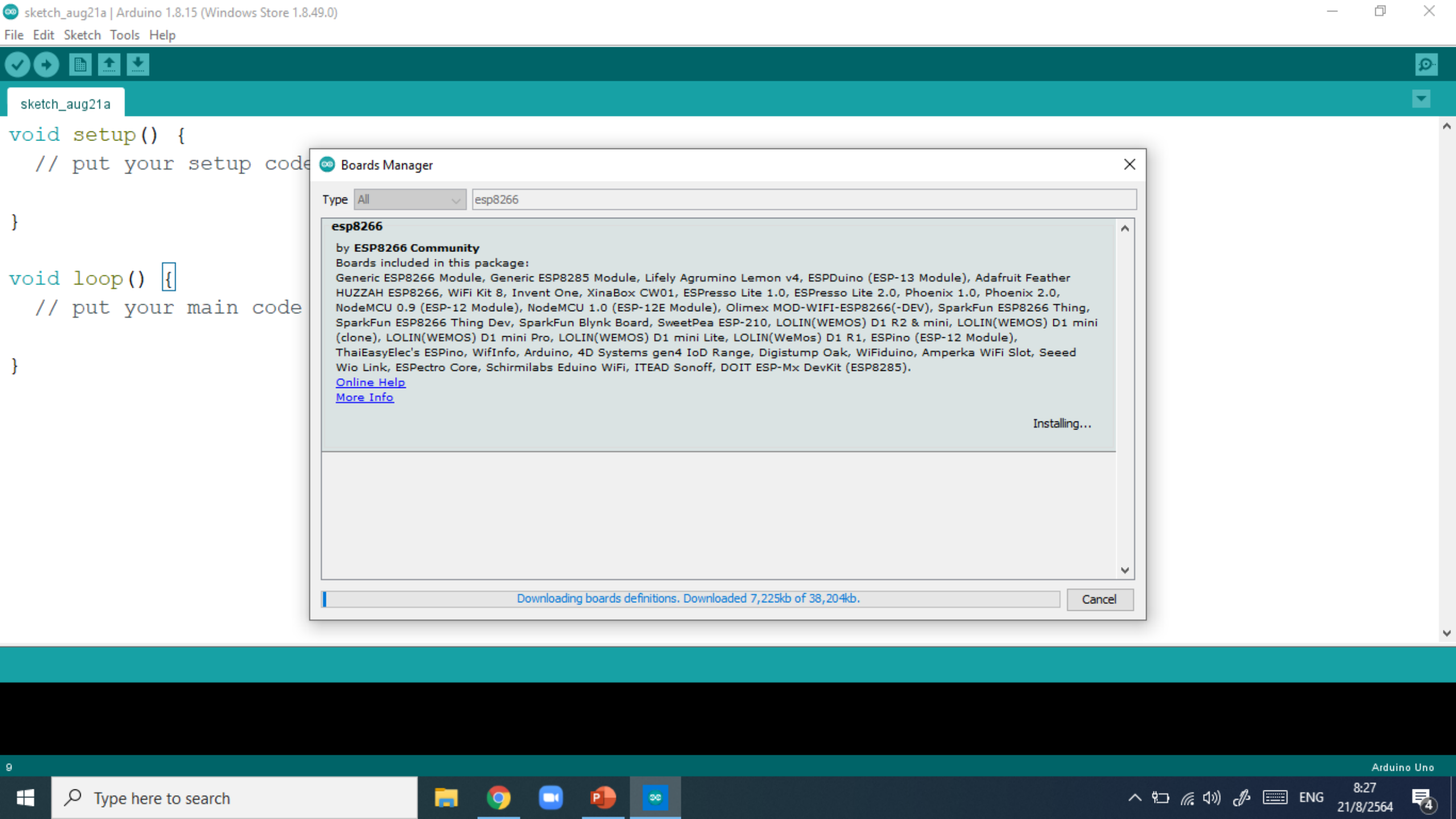
21/8/2564


sketch_aug21a | Arduino 1.8.15 (Windows Store 1.8.49.0)
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sketch_aug21a
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Boards Manager
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esp8266
esp8266
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Online Help
More Info
Installing...
Downloading boards definitions. Downloaded 7,225kb of 38,204kb.
Cancel
Arduino Uno
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ENG
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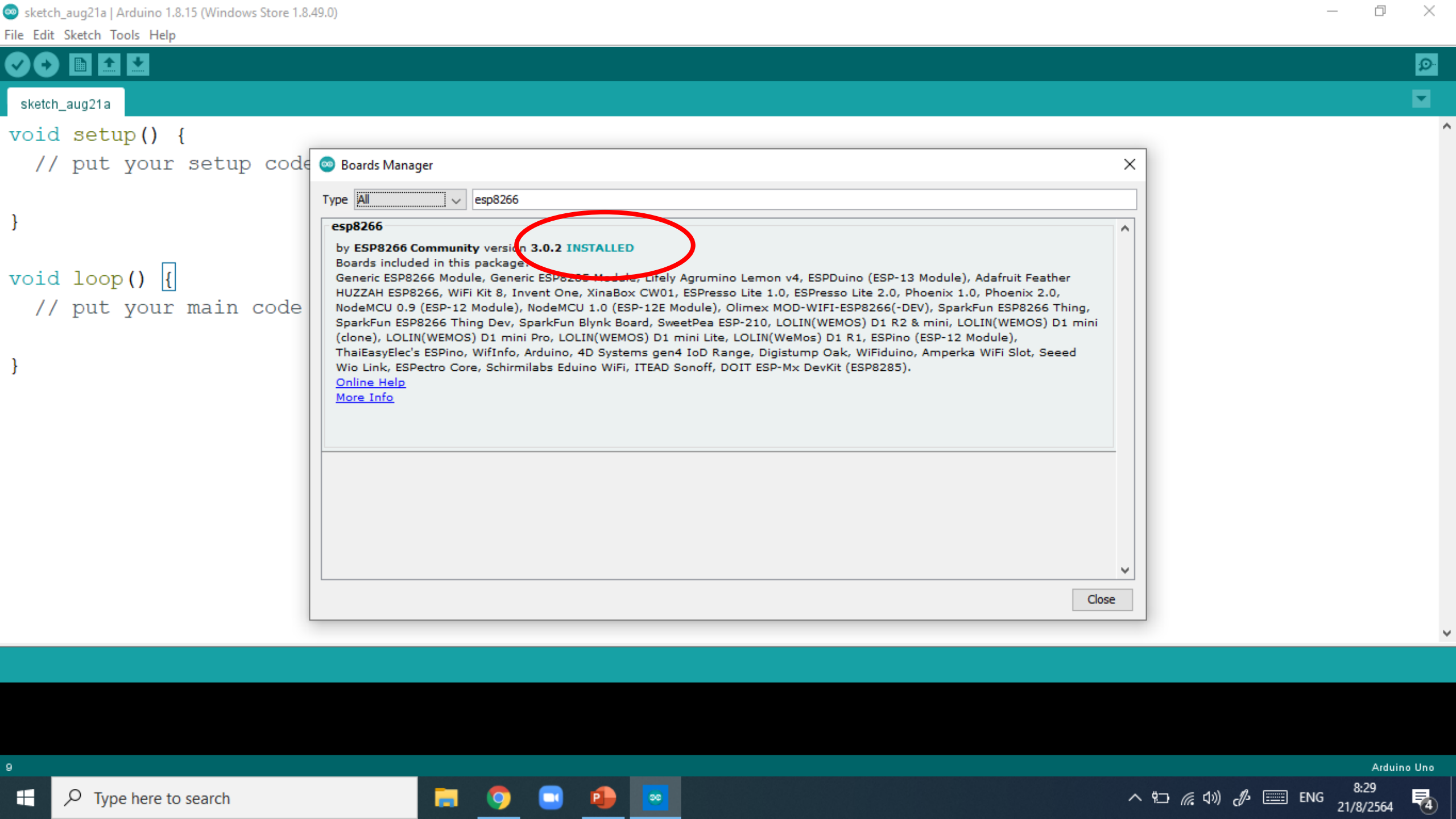
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void loop() {
// put your main code
}
Boards Manager
Type All
esp8266
esp8266
by ESP8266 Community version 3.0.2 INSTALLED
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Online Help
More Info
Close
Arduino Uno
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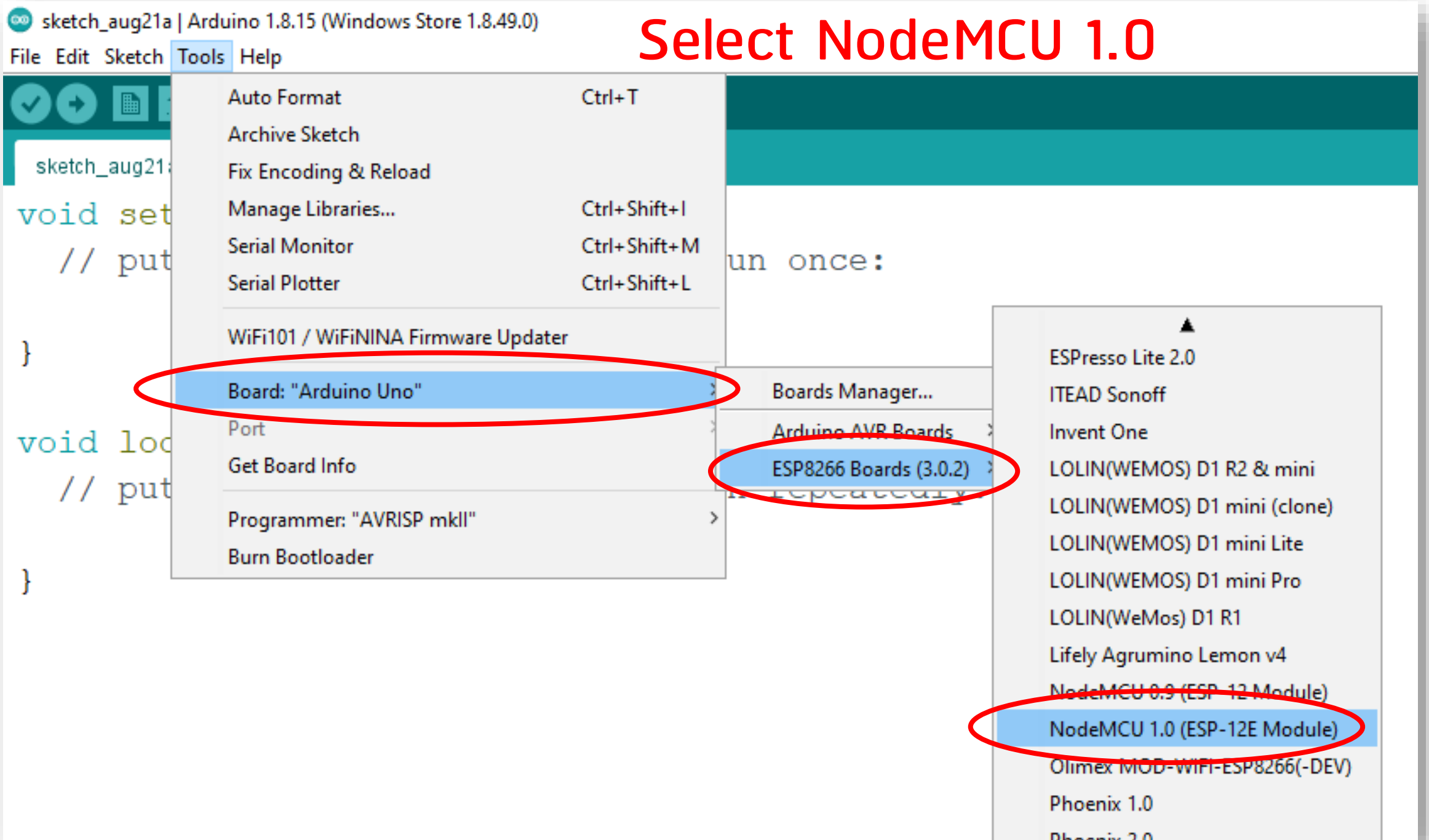
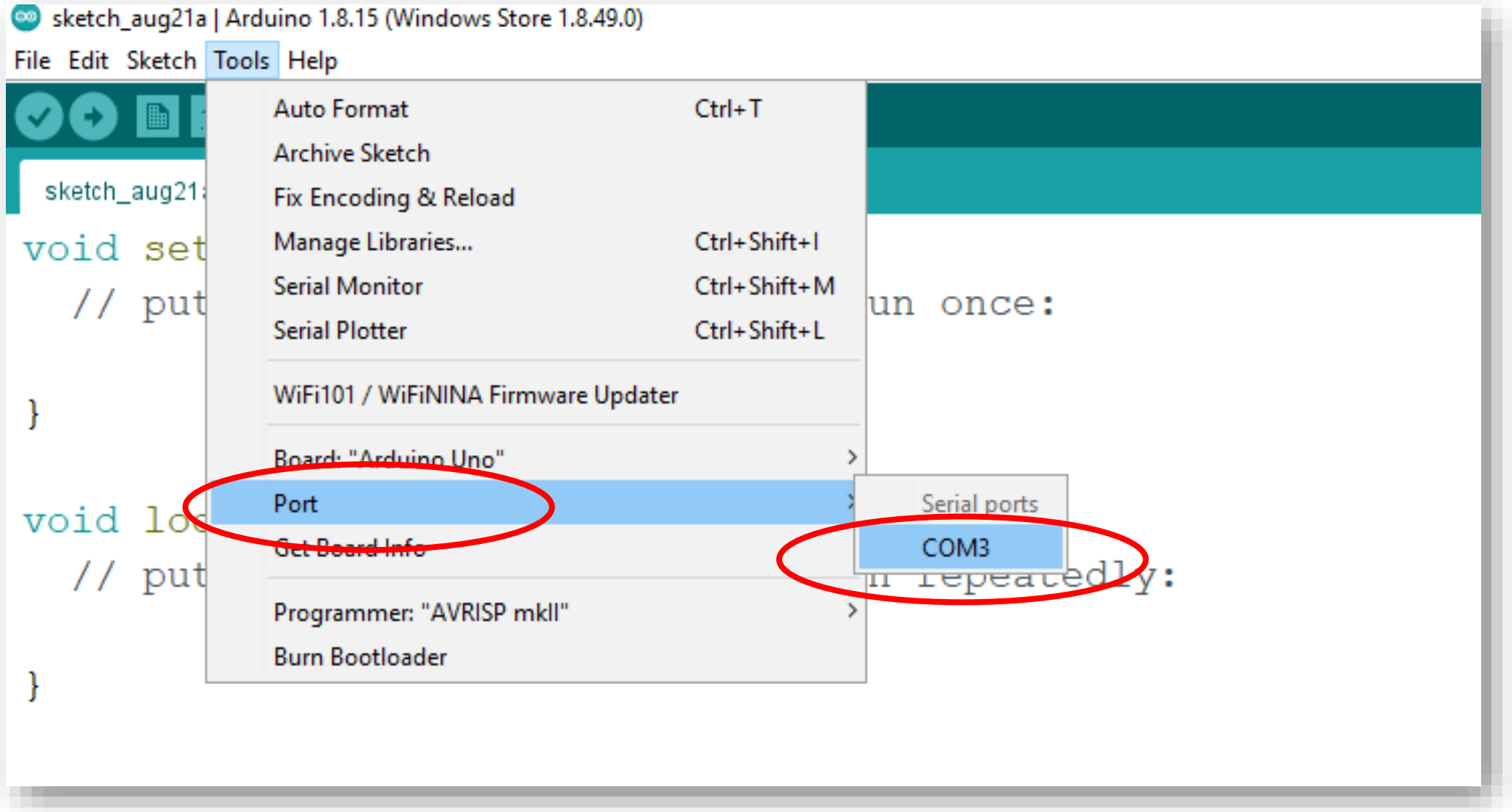

sketch_aug21a | Arduino 1.8.15 (Windows Store 1.8.49.0)
Select NodeMCU 1.0
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino Uno"
Port
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Boards Manager...
Arduino AVR Boards
ESP8266 Boards (3.0.2)
ESPresso Lite 2.0
ITEAD Sonoff
Invent One
LOLIN(WEMOS) D1 R2 & mini
LOLIN(WEMOS) D1 mini (clone)
LOLIN(WEMOS) D1 mini Lite
LOLIN(WEMOS) D1 mini Pro
LOLIN(WeMos) D1 R1
Lifely Agrumino Lemon v4
NodeMCU 1.0 (ESP-12E Module)
Phoenix 1.0
void set
// put
}
void loo
// put
}

Select Port


sketch_aug21a | Arduino 1.8.15 (Windows Store 1.8.49.0)
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
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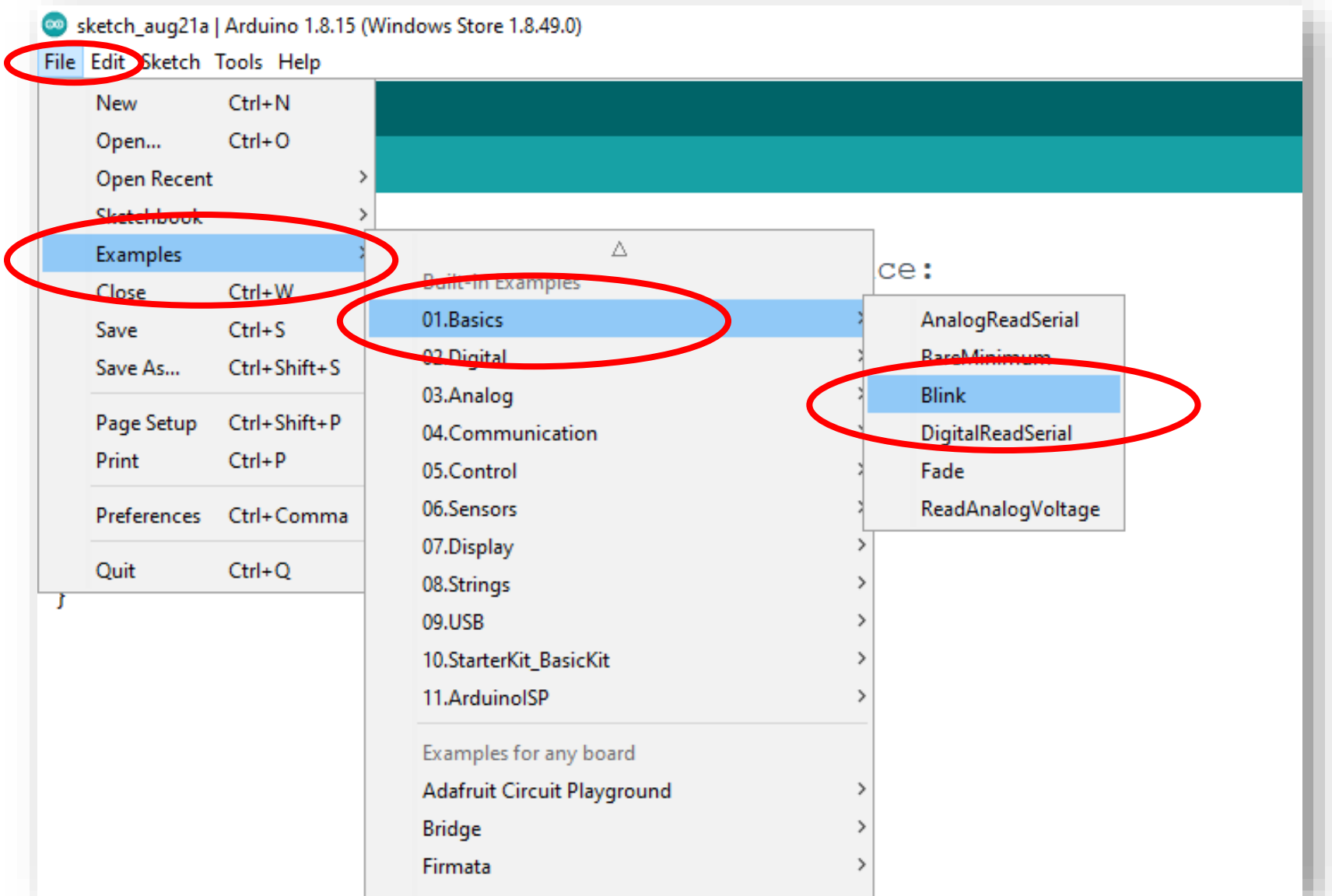
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "Arduino Uno"
Port
Get Board Info
Programmer: "AVRISP mkII"
Burn Bootloader
Serial ports
COM3
void set
// put
}
void loo
// put
}

Test Example Code with NodeMCU



Blink | Arduino 1.8.15 (Windows Store 1.8.49.0)

File Edit Sketch Tools Help

Upload Program to MCU

Blink

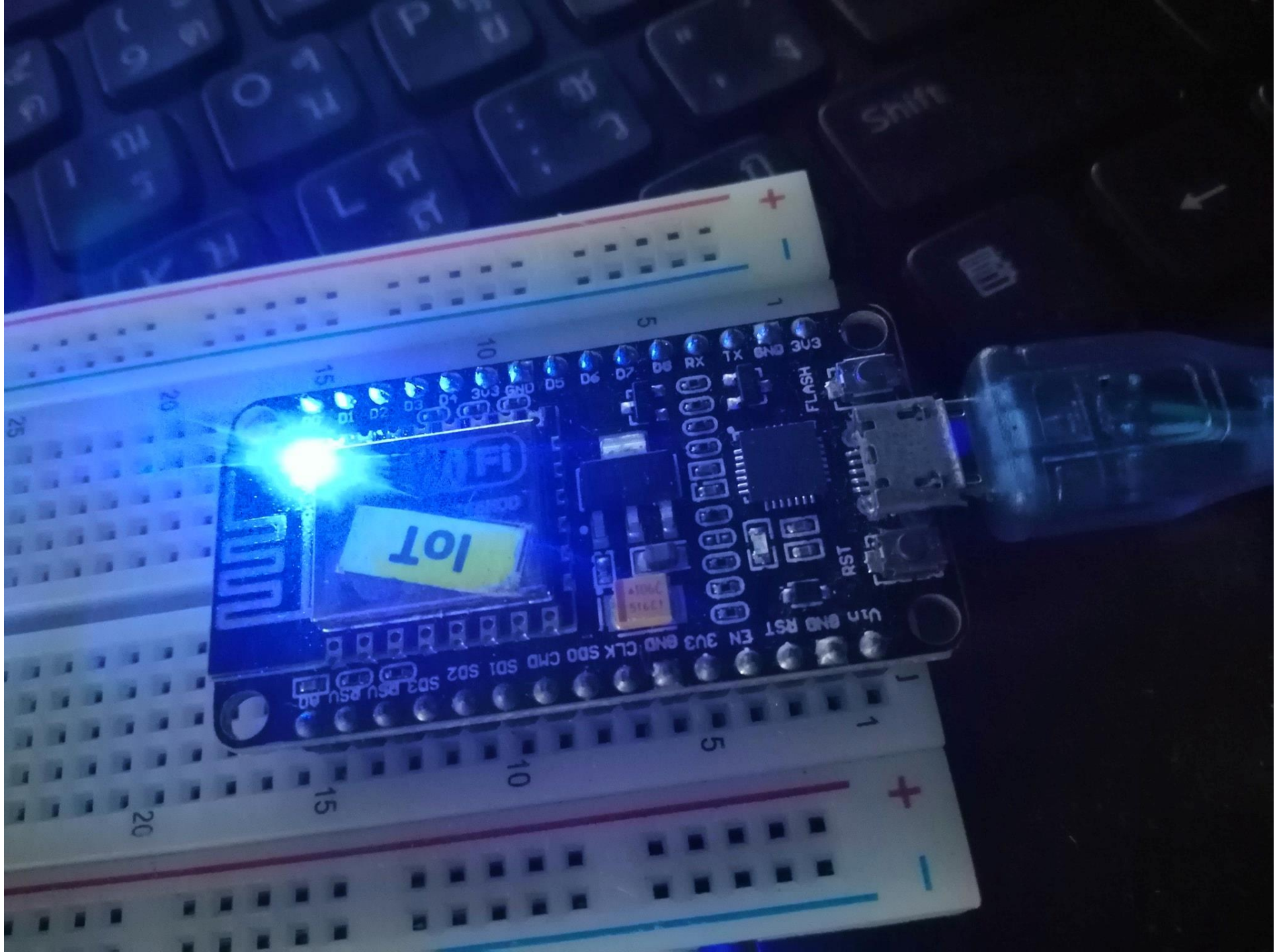
```
  https://www.arduino.cc/en/Tutorial/BuiltInExamples/Blink
*/

// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin LED_BUILTIN as an output.
  pinMode(LED_BUILTIN, OUTPUT);
}

// the loop function runs over and over again forever
void loop() {
  digitalWrite(LED_BUILTIN, HIGH);   // turn the LED on (HIGH is the voltage level)
  delay(1000);                       // wait for a second
  digitalWrite(LED_BUILTIN, LOW);    // turn the LED off by making the voltage LOW
  delay(1000);                       // wait for a second
}
```

Compiling sketch...

Module), 80 MHz, Flash, Disabled (new aborts on oom), Disabled, All SSL ciphers (most compatible), 32KB cache + 32KB IRAM (balanced), Use pgm_read macros for IRAM/PROGMEM, 4MB (FS:2MB OTA:~1019KB), 2, v2 Lower Memory, Disabled, None, Only Sketch, 115200 on COM3

Type here to search

ENG 8:43 21/8/2564


IoT
D1 D2 D3 D4 3V3 GND D5 D6 D7 D8 RX TX GND 3V3
FLASH
RST
Vin GND RST EN 3V3 GND CLK SD0 CMD SD1 SD2 SD3 RSV RSV AD