ESP8266 & Arduino IDE

The ESPresso Lite

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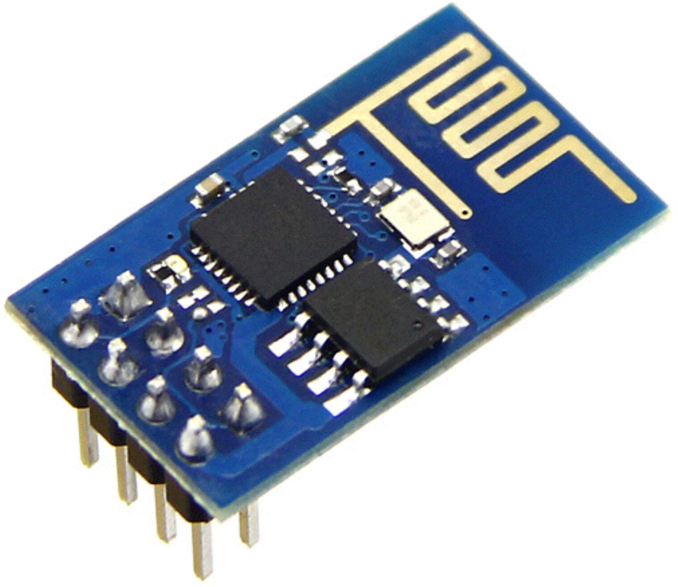

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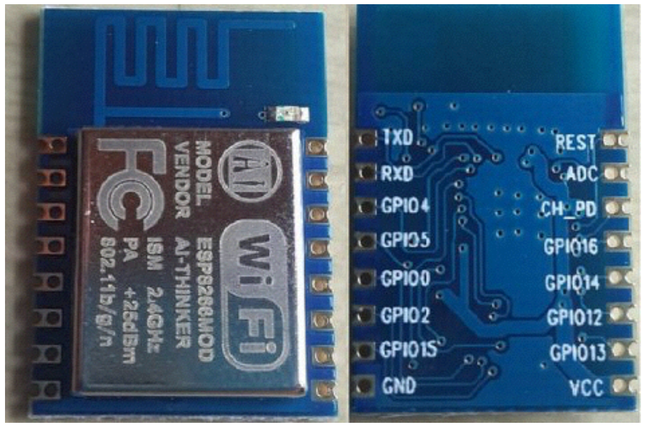

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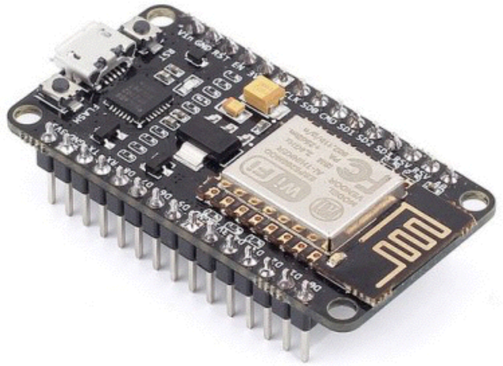

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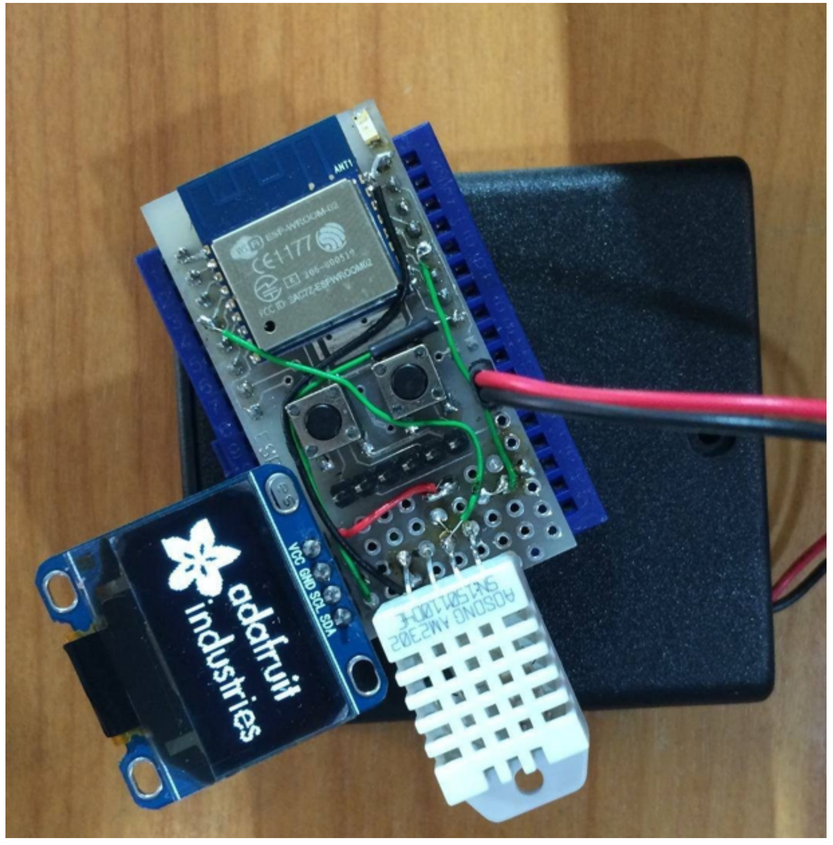

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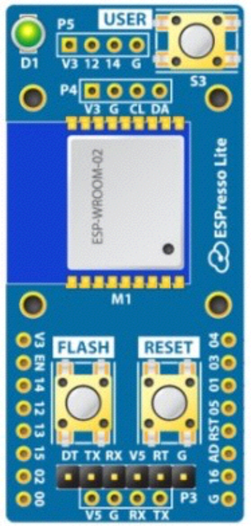
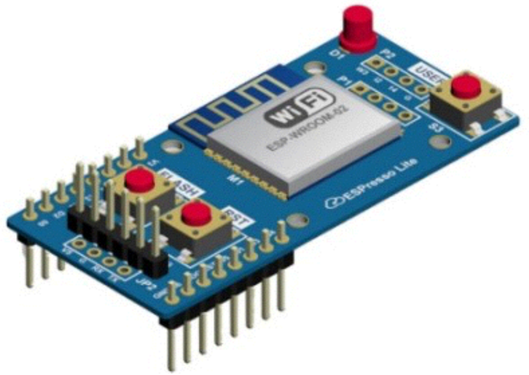
ESPresso Lite



Latest Arduino-compatible, WiFi-enabled (ESP8266) development board



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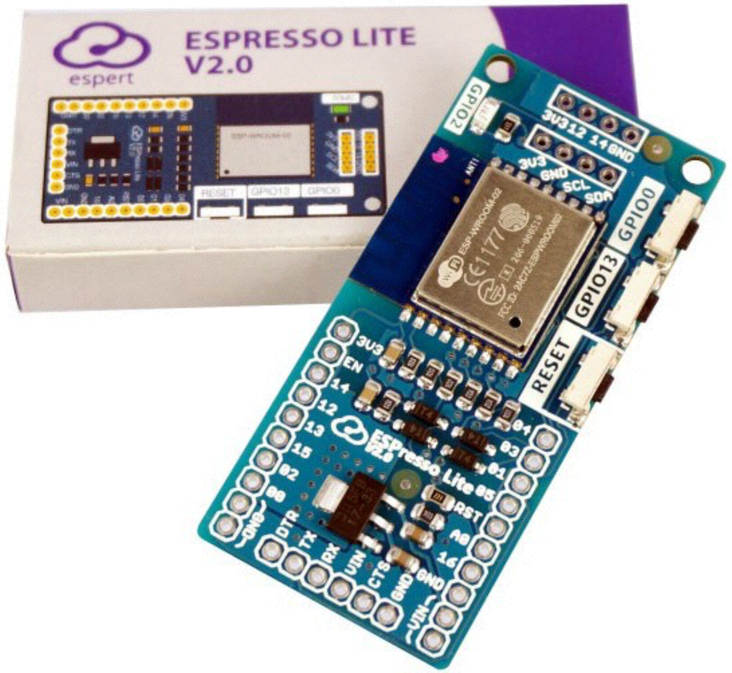

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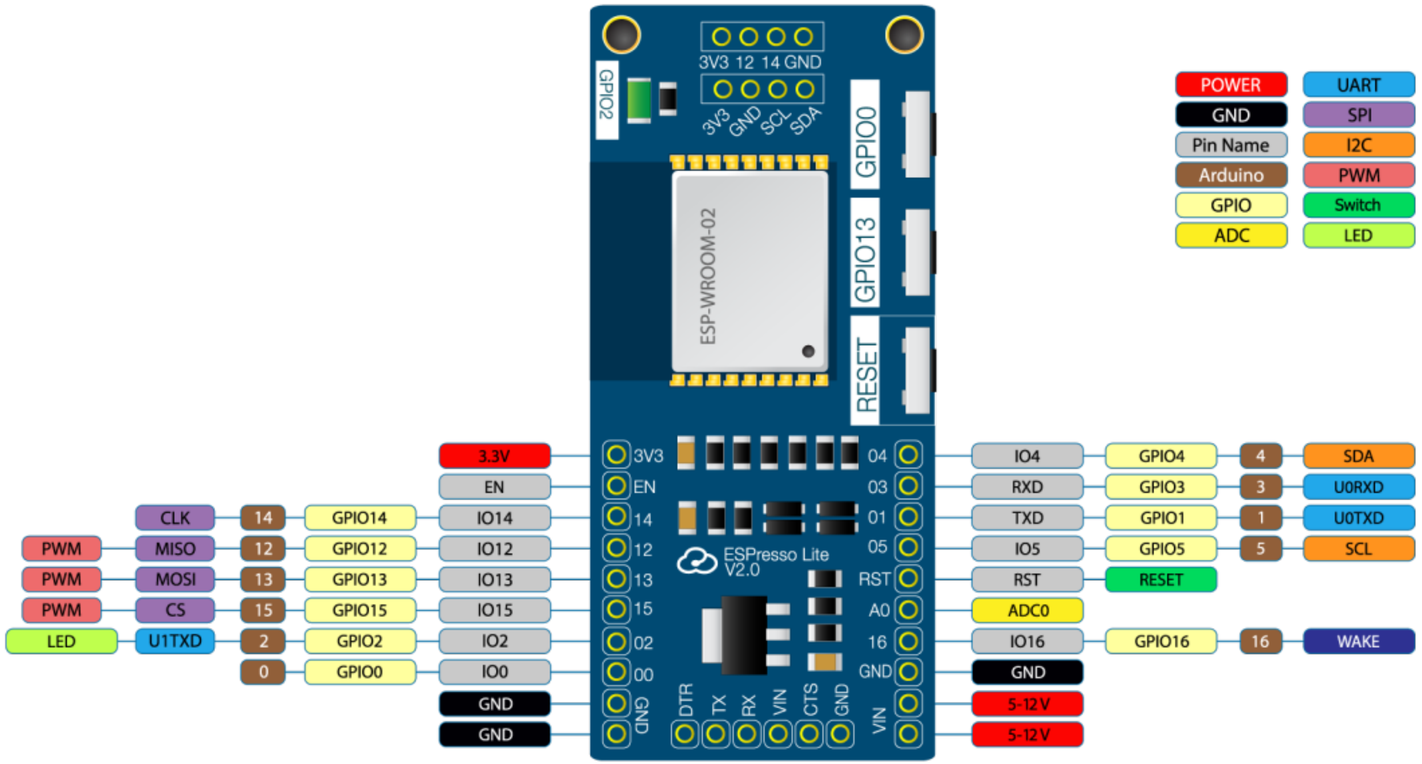

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ESPresso Lite V2.0

- Espressif's certified ESP-WROOM-02 Wi-Fi module

  (which houses the popular 32-bit 80 Mhz ESP8266 SoC with 64kb RAM & 4Mb flash),
- Two user-programmable buttons (connected to pin 0 & 13) and a reset button,
- Green SMD LED indicator,
- On board 3.3V Voltage Regulator with maximum current of 800mA continuous, 1A peak,
- Input voltage Vin: 5 - 12 VDC; operating voltage at 3.3VDC,
- Supports theArduino IDE with own board manager and libraries,
- Auto program loading from Arduino IDE; no manual resetting required,
- Custom-arrangedI2Cpads for I2C-compliant sensors or OLED LC display,
- Breakout pins are breadboard-friendly .

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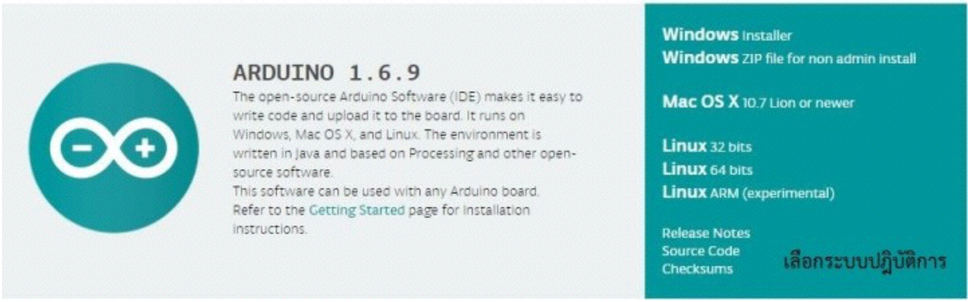
Download the Arduino Software



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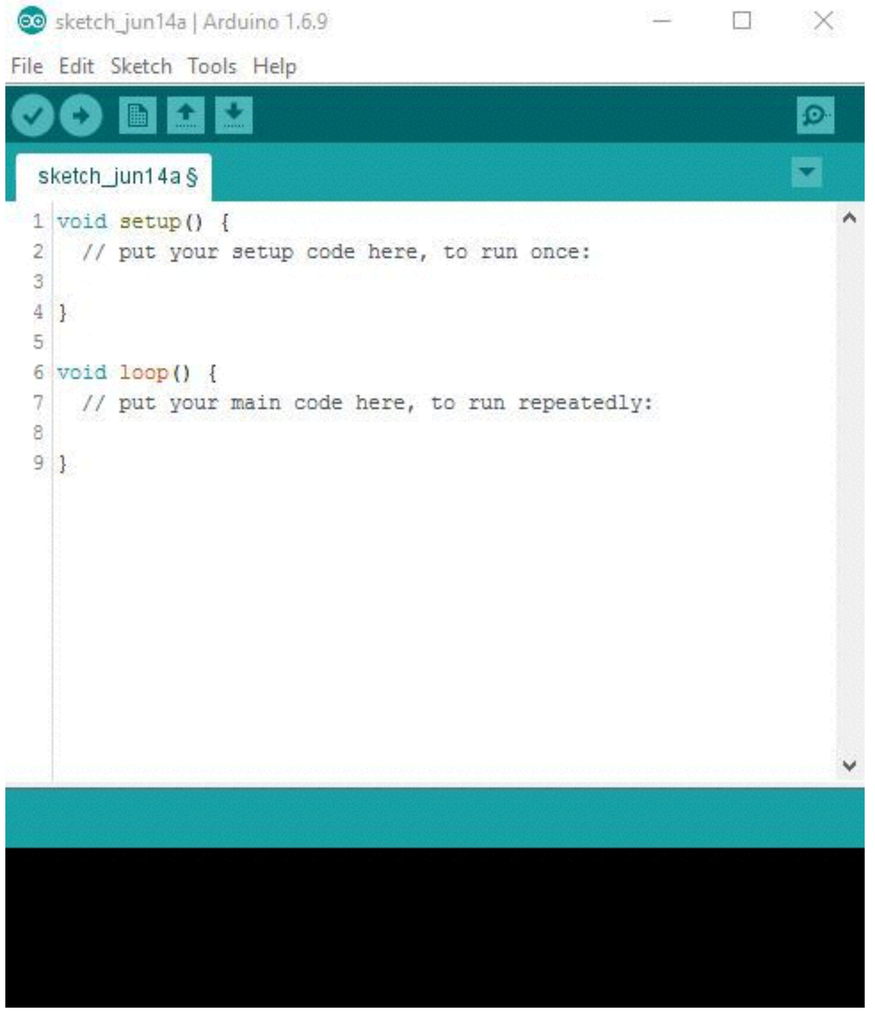

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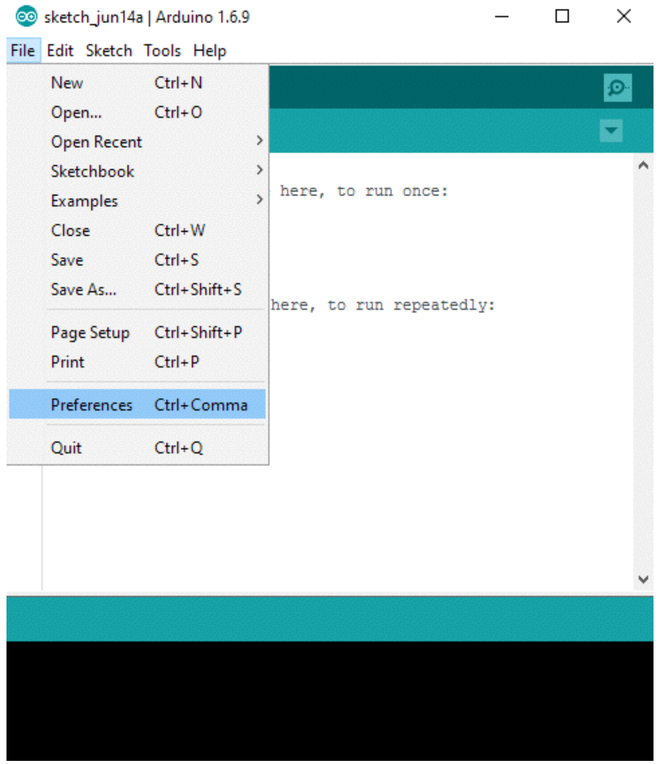

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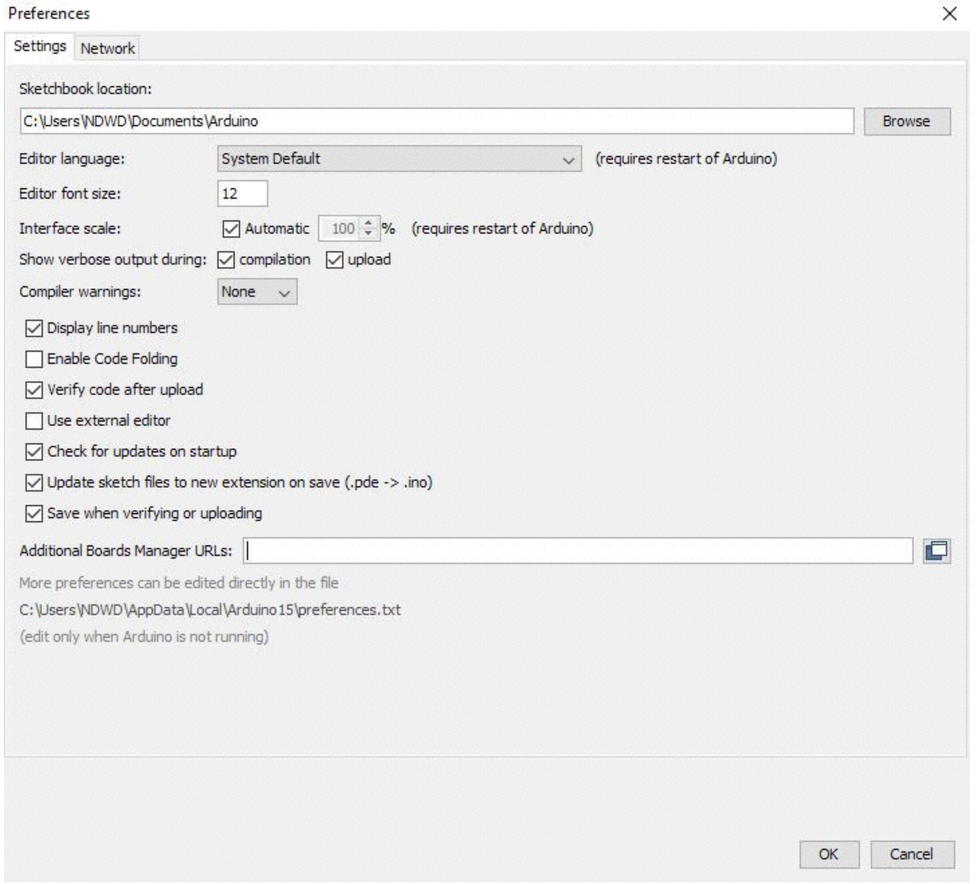

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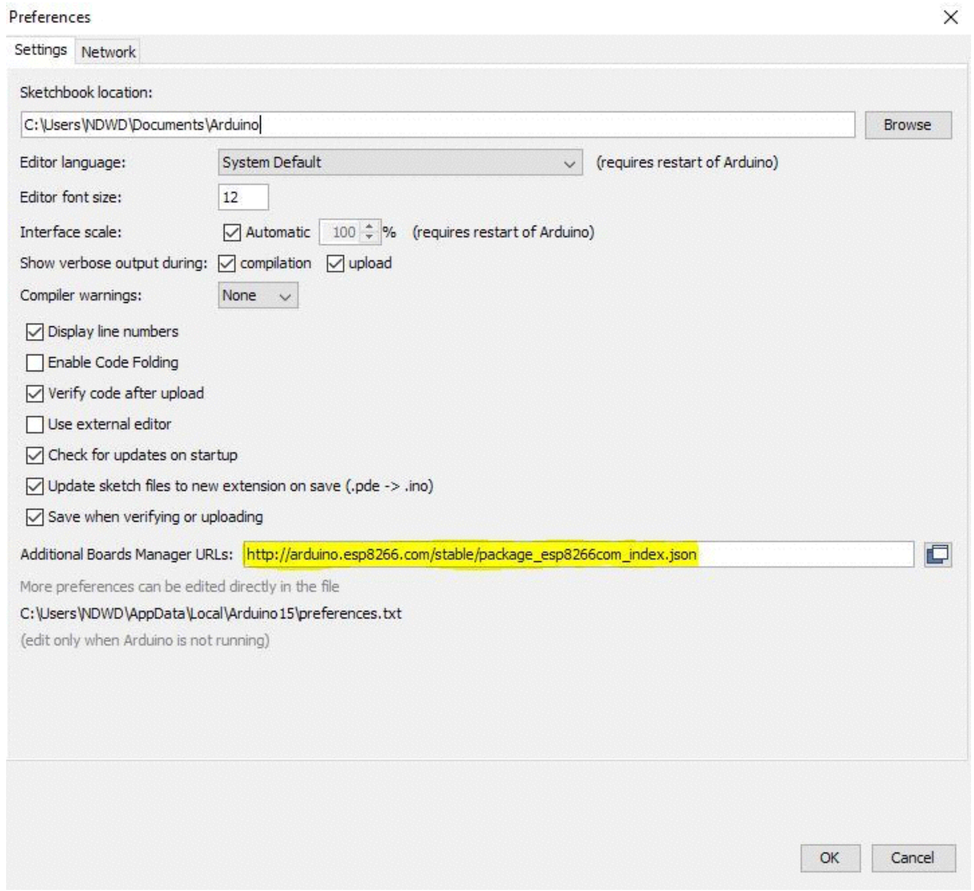

https://github.com/esp8266/Arduino

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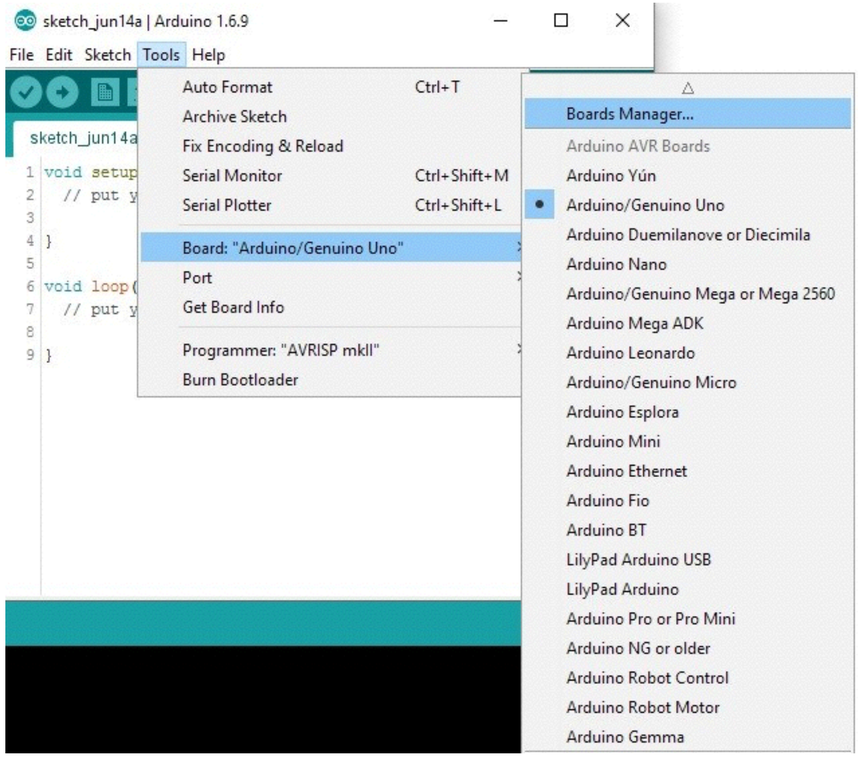

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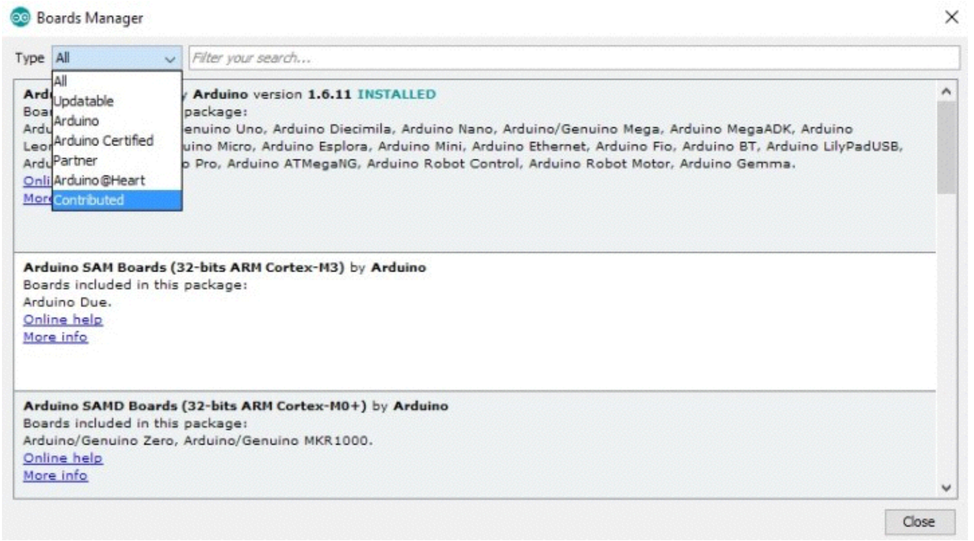

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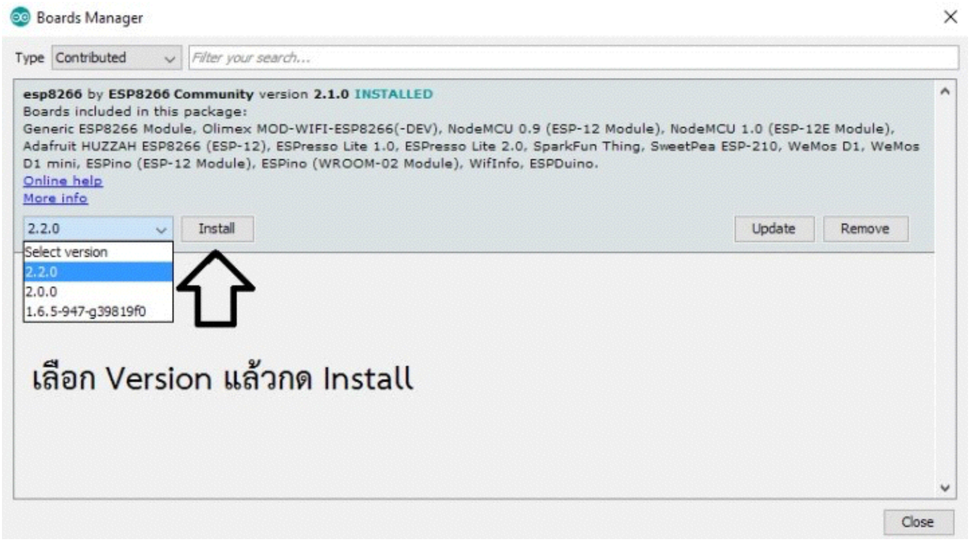

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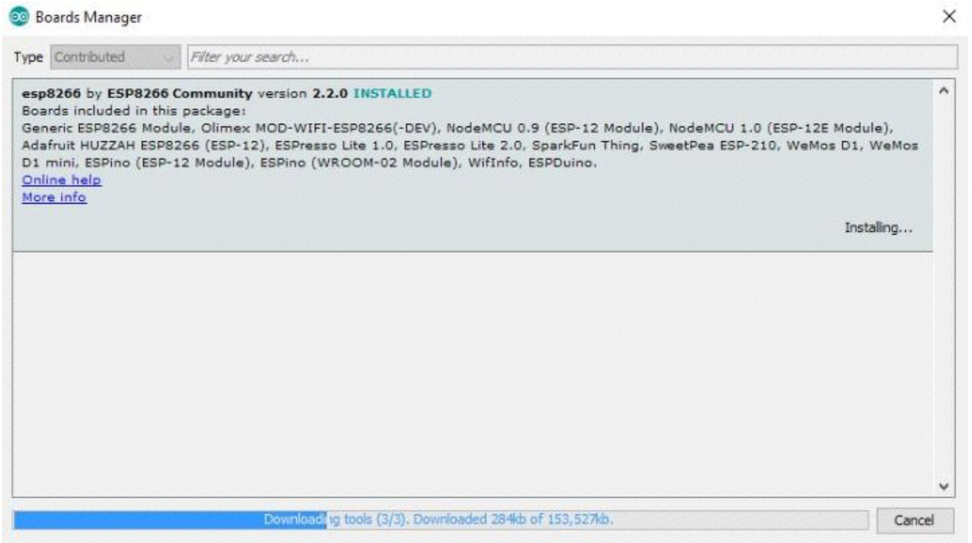

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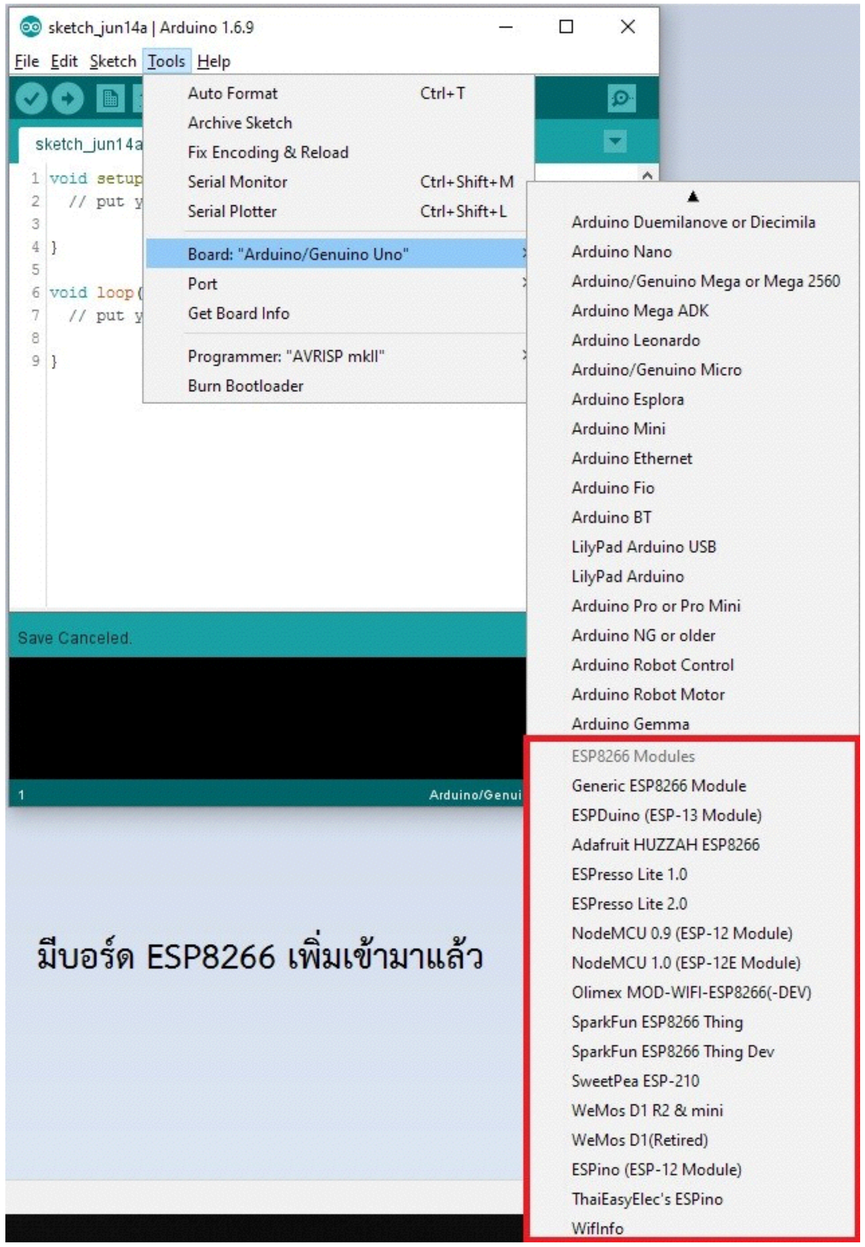

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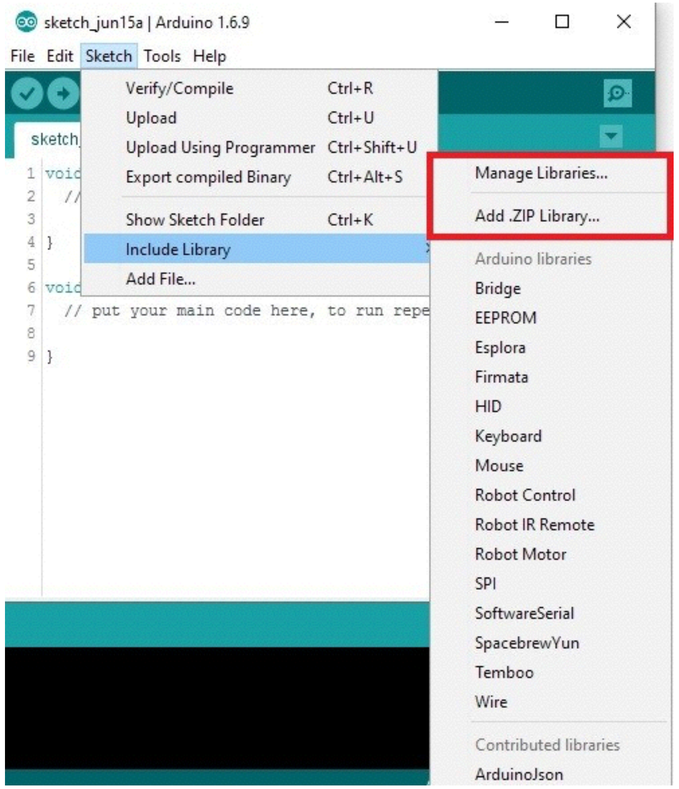

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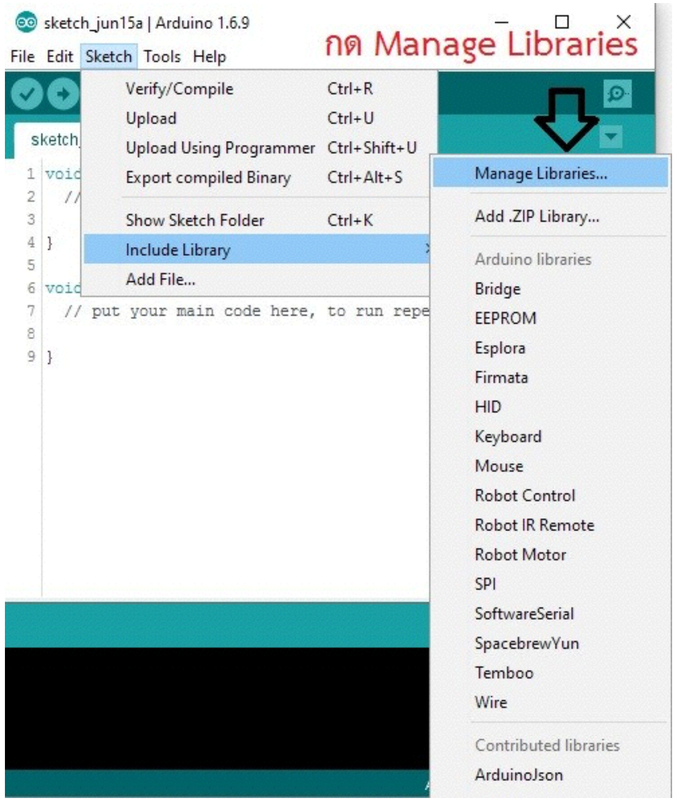

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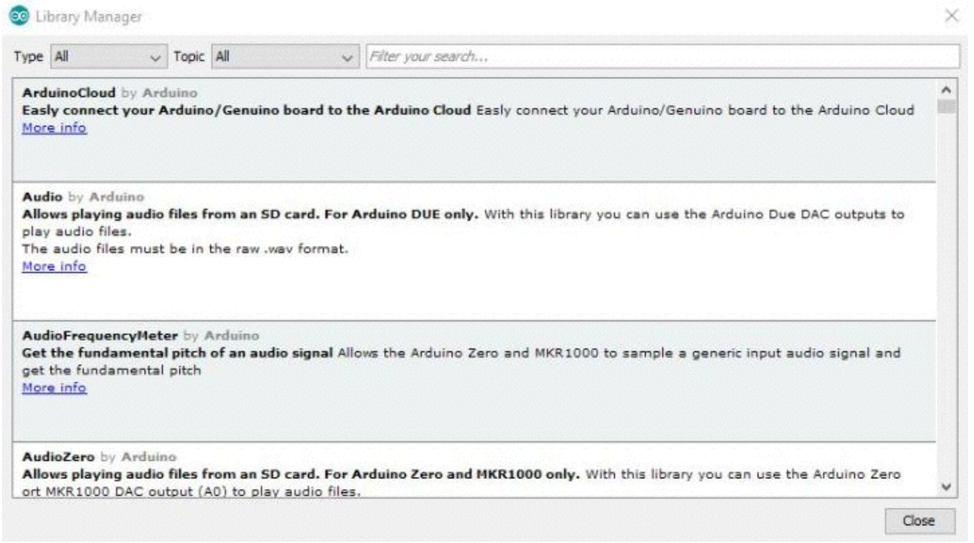

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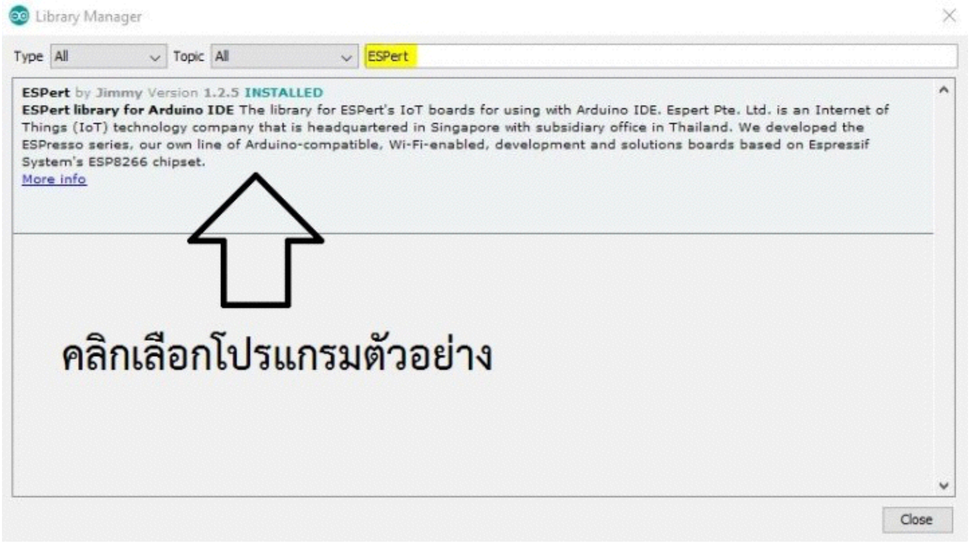

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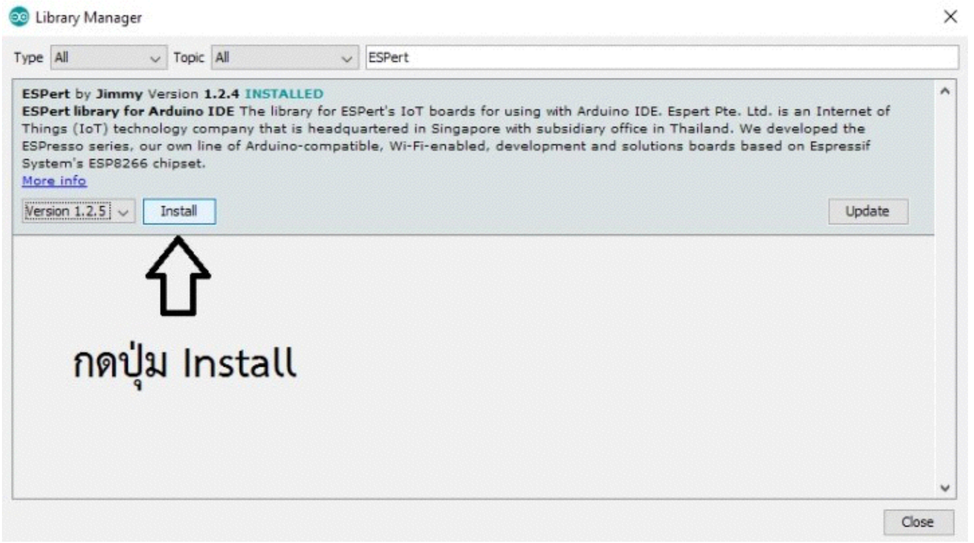

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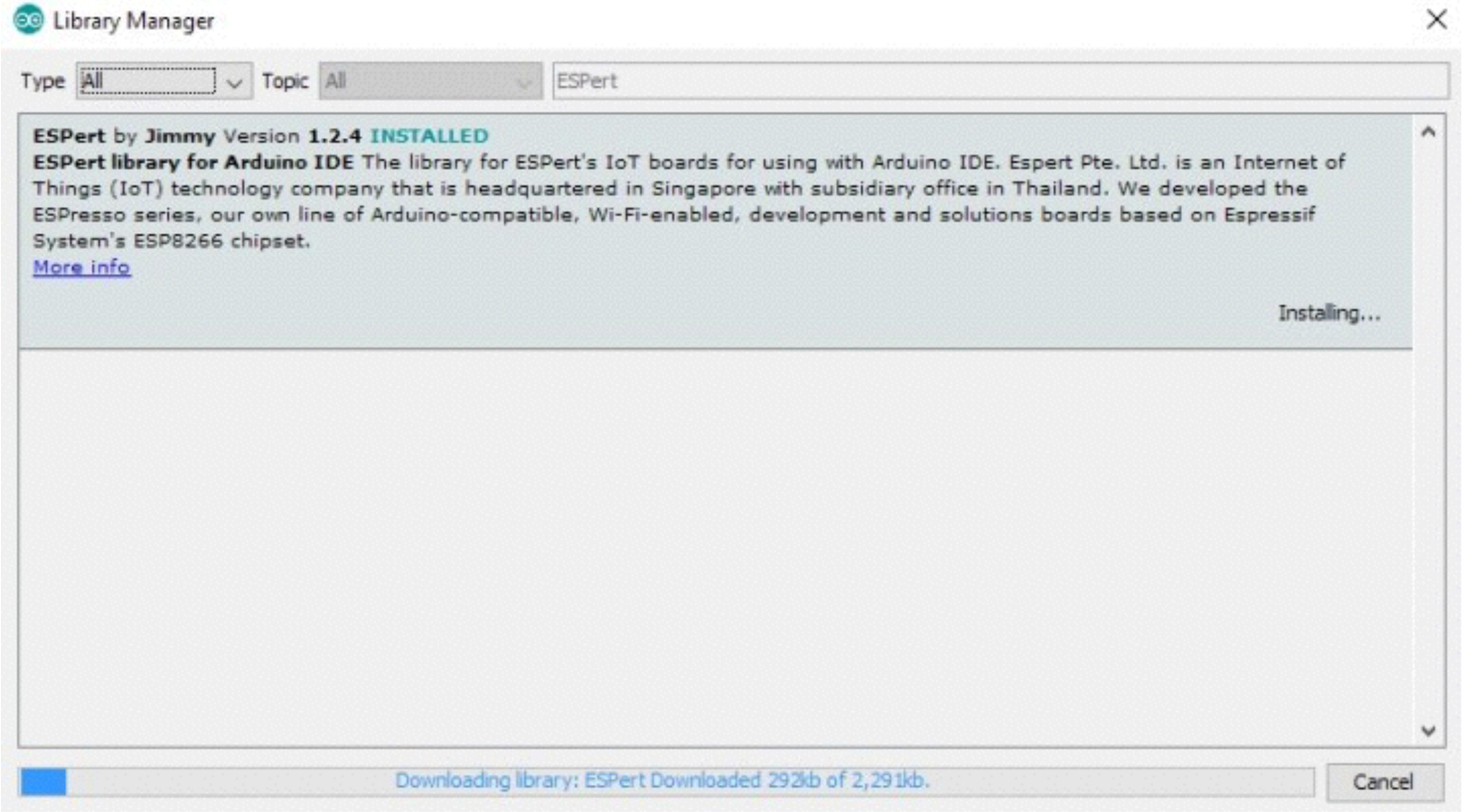

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ESP8266
Arduino Framework

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Connect to WiFi

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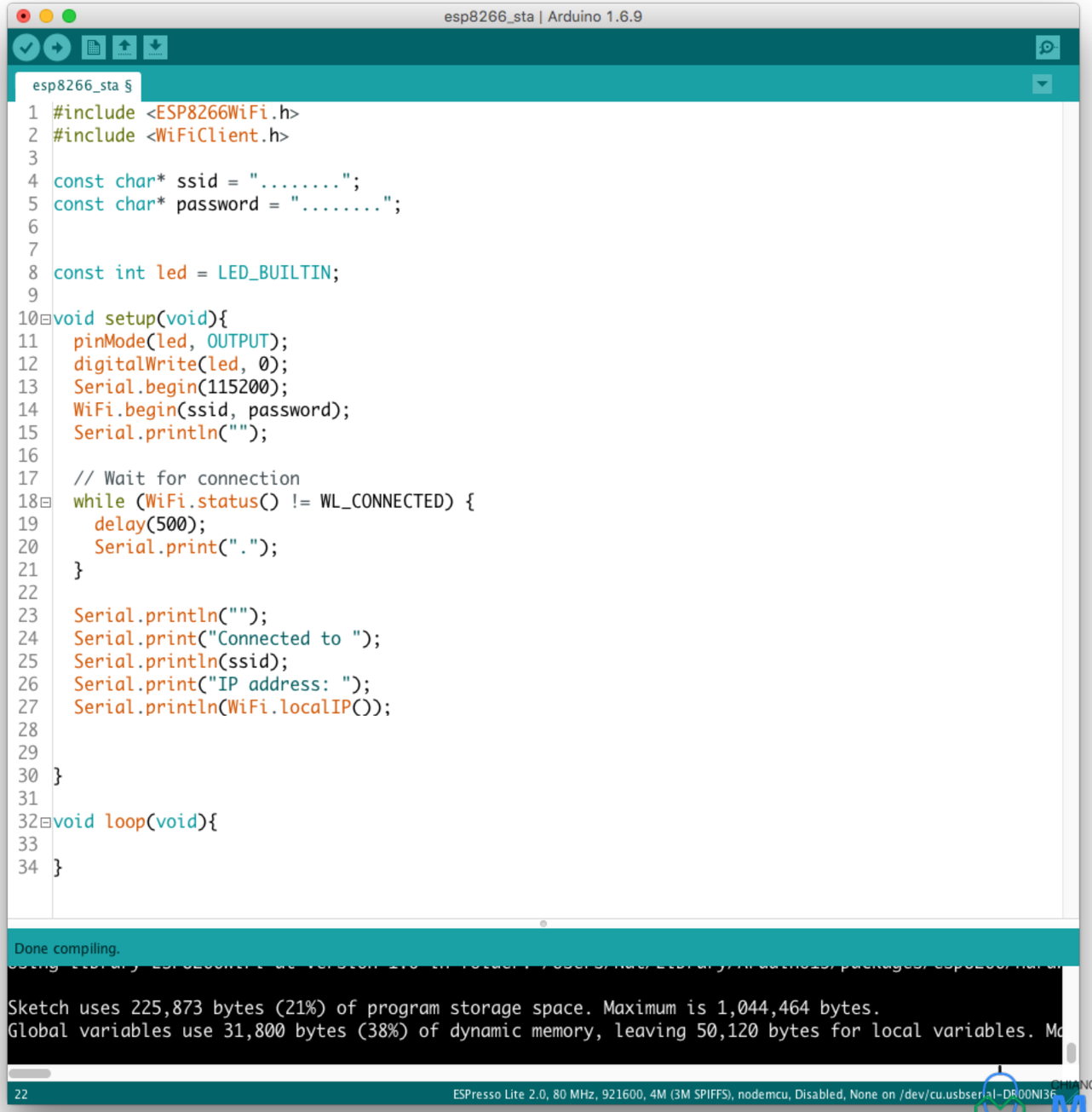

STA WebServer

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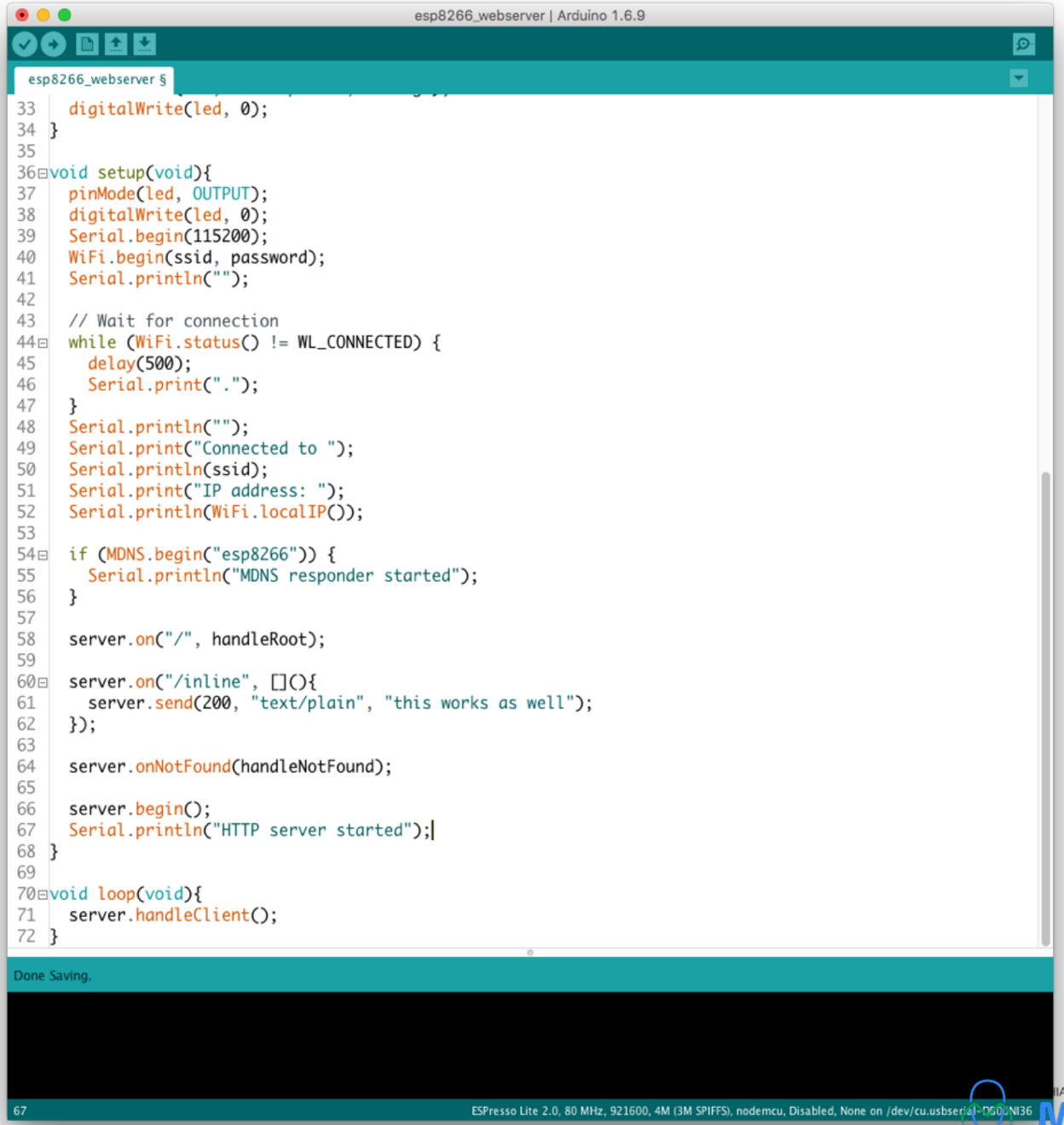

AP WebServer

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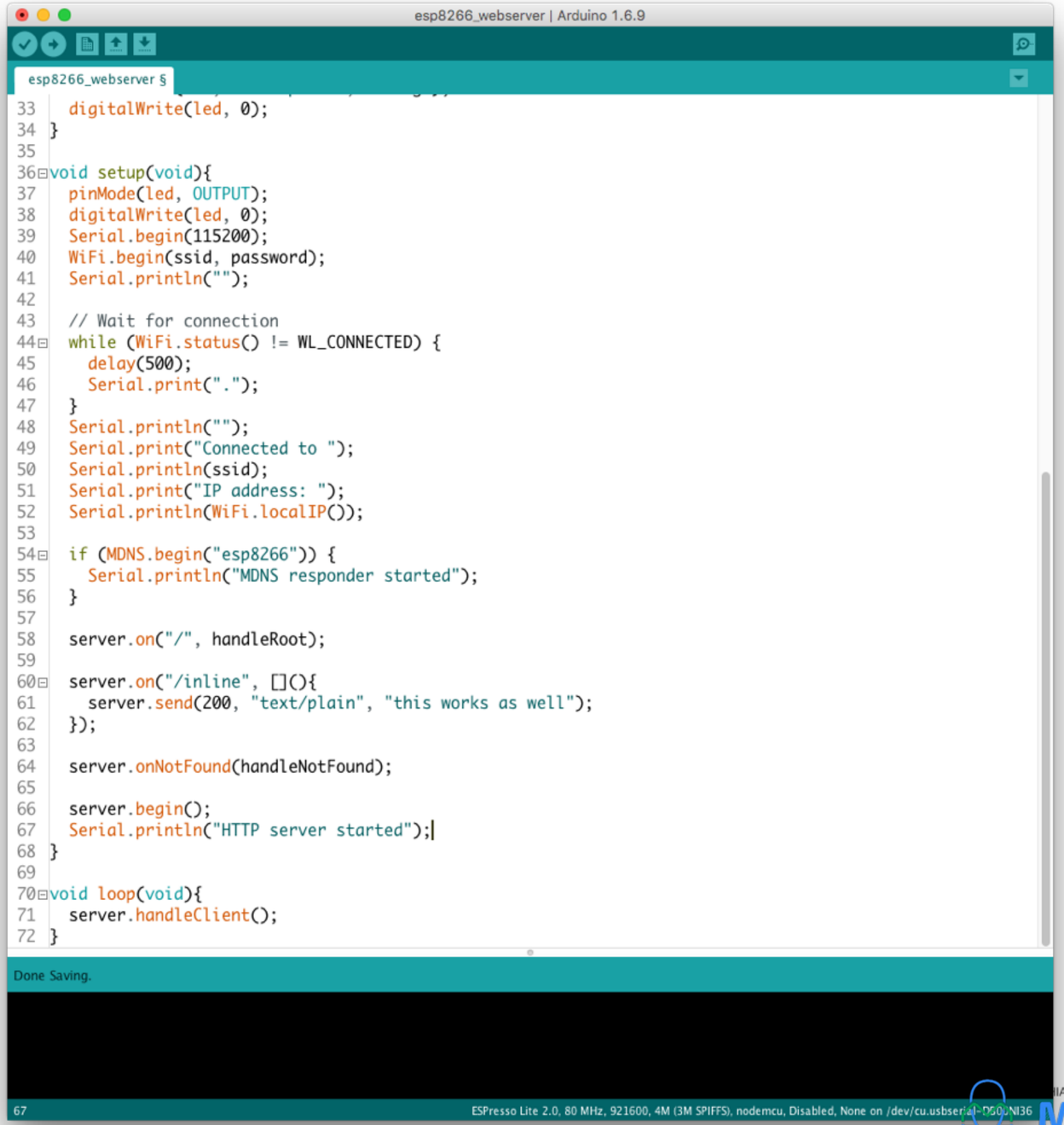

Basic HTTP Get

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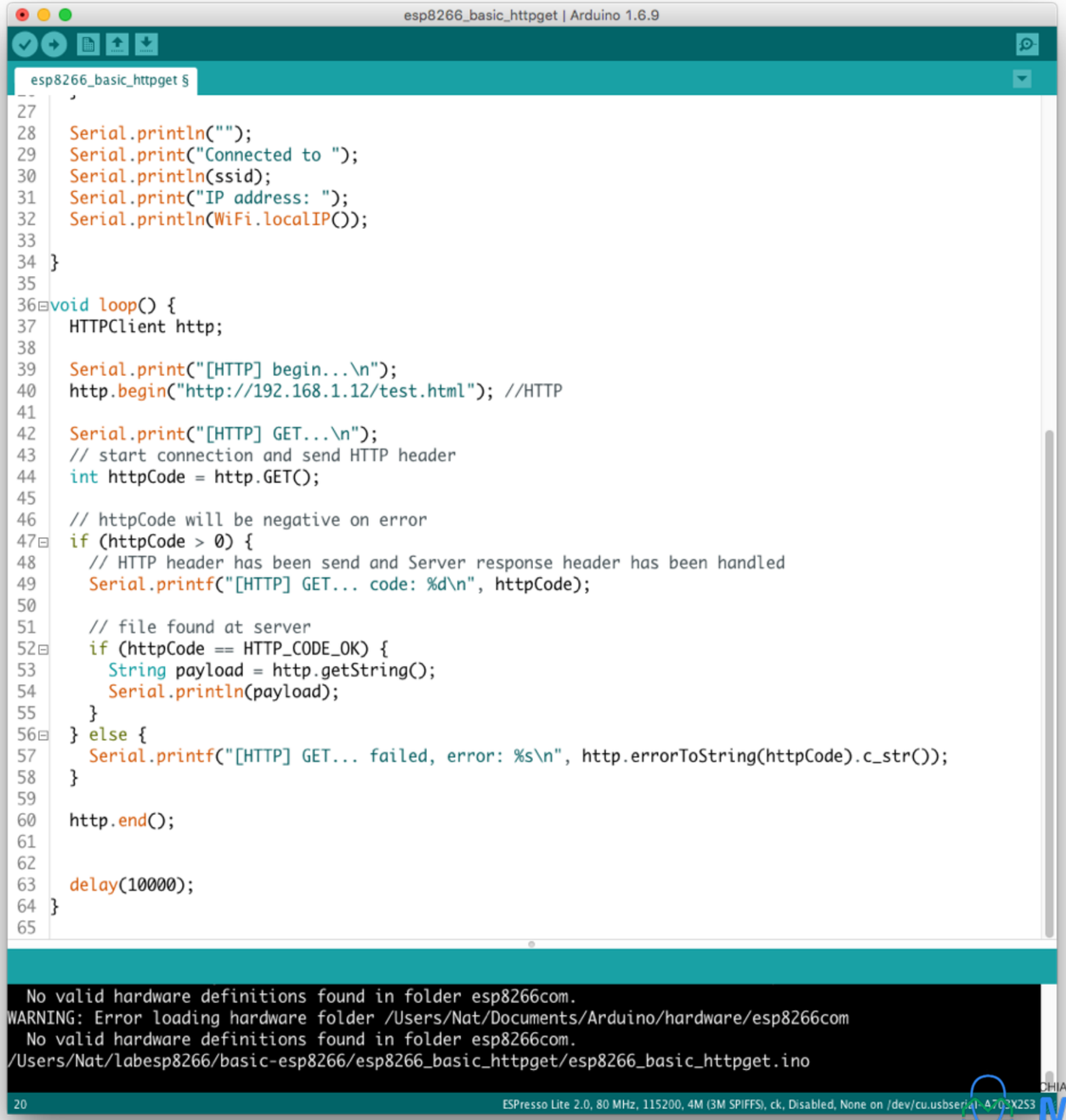

LAB 1

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cmmc.io/netpie/freeboard

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netpie-freeboard(html5)

APPID : **HelloNETPIE**

Key : **2BrGVTbajdZFOSz**

Secret : **xIzR8yQ9RRp13T7KkPMt33sn7**

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microgear[“MR”].chat(“plug001”, “ON”);

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CODING!

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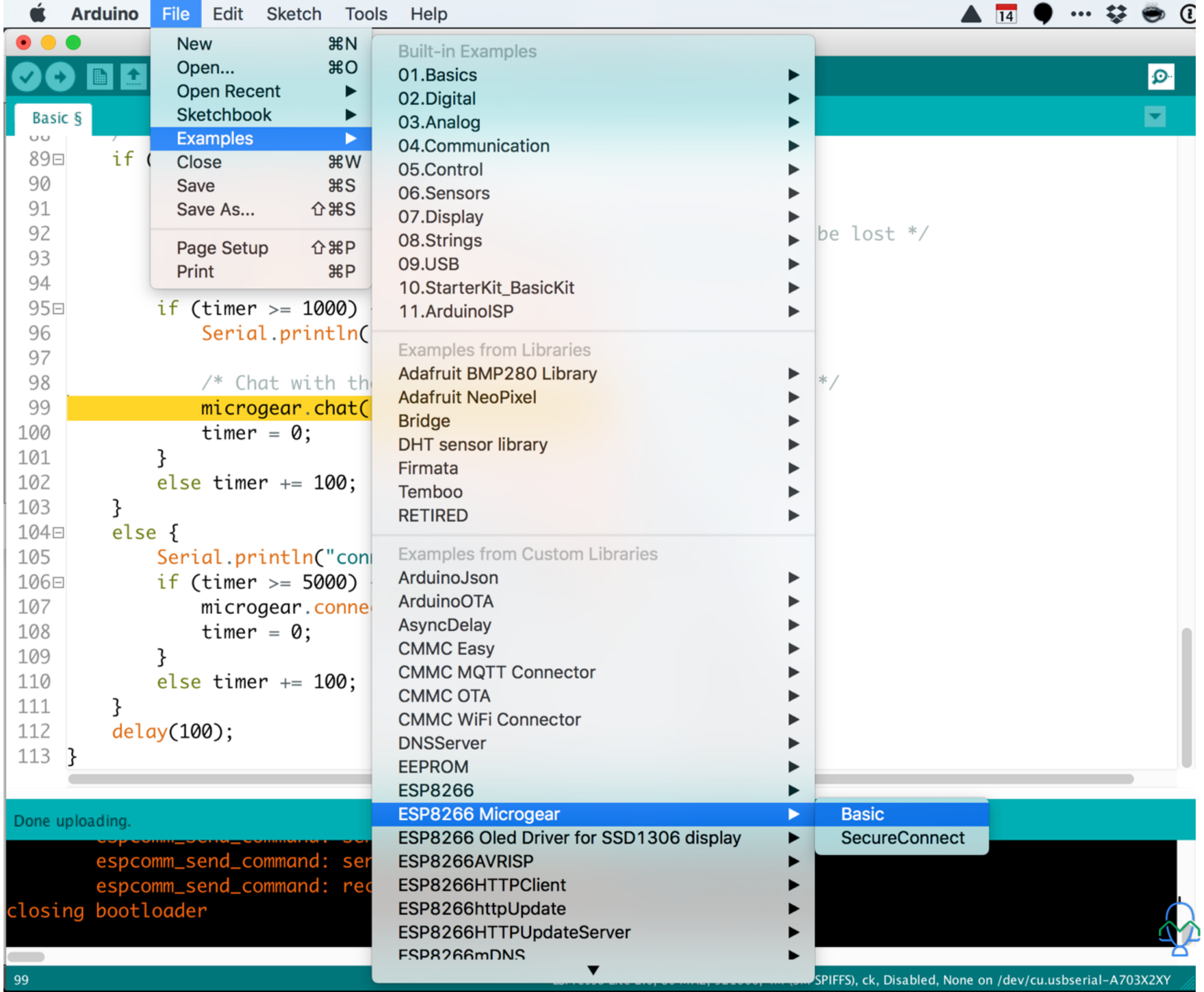

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netpie (devicekey)

APPID : **HelloNETPIE**

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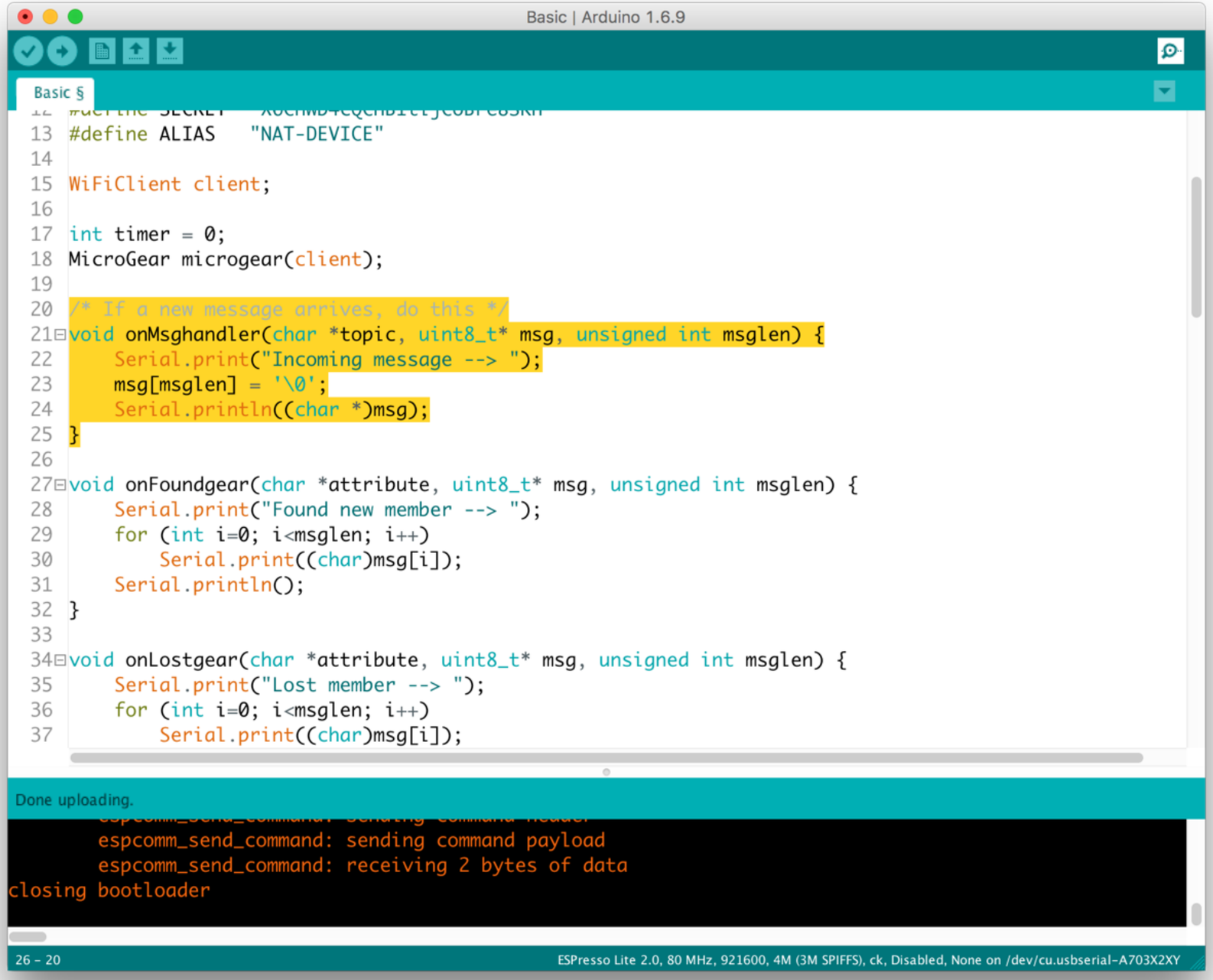

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