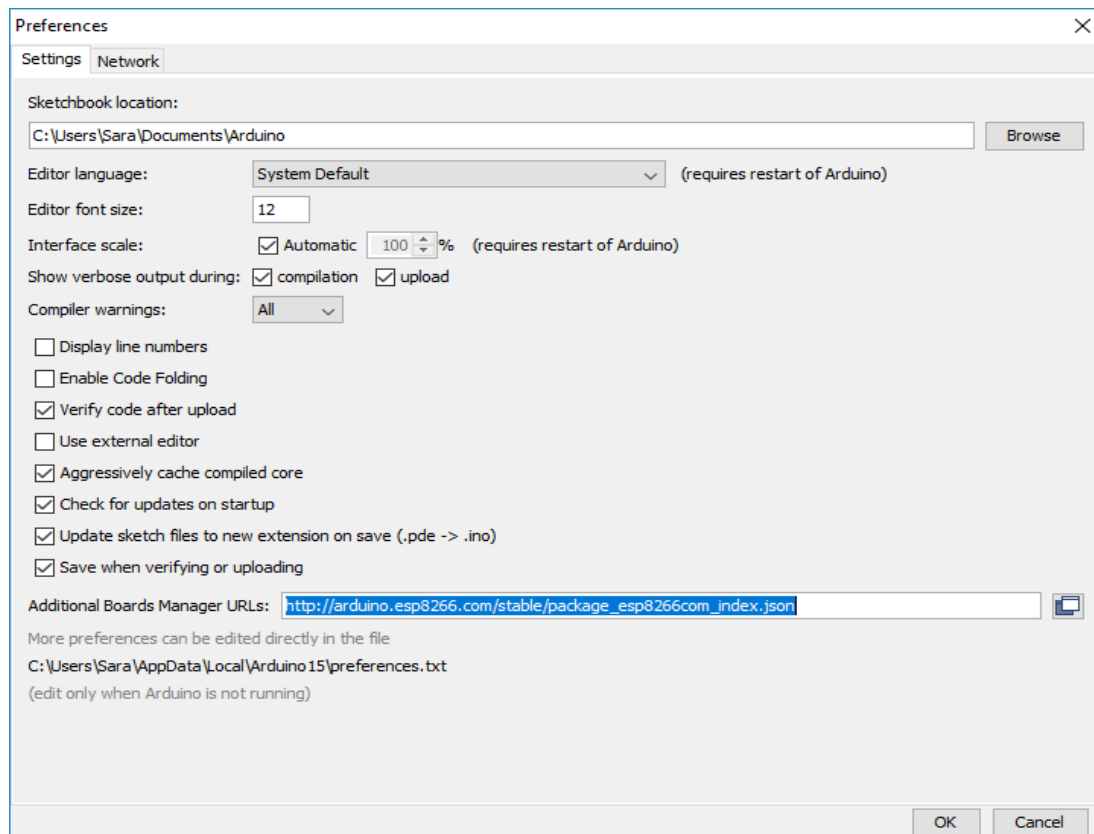
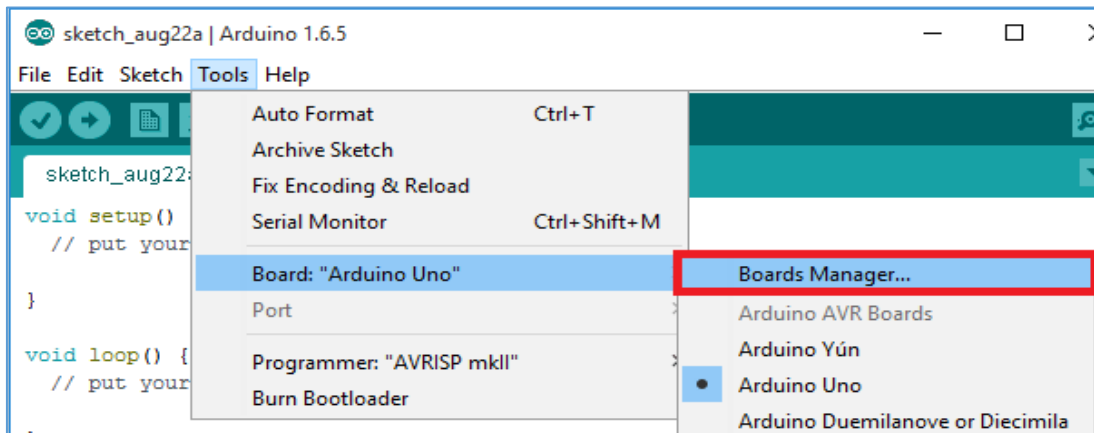


## Prepare the Arduino IDE

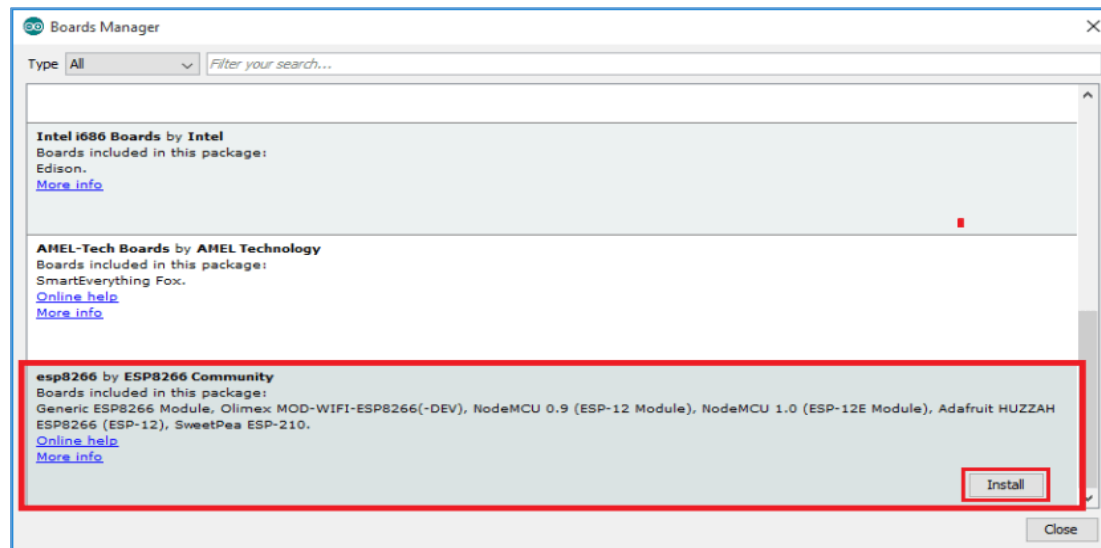
1. Download and install the Arduino IDE on your operating system
2. Then, you need to install the ESP8266 add-on for the Arduino IDE.  
Go to **File > Preferences**.
3. Enter **[http://arduino.esp8266.com/stable/package\\_esp8266com\\_index.json](http://arduino.esp8266.com/stable/package_esp8266com_index.json)** into the **"Additional Board Manager URLs"** field as shown in the figure below.  
Then, click the **"OK"** button



4. Go to **Tools > Board > Boards Manager...**



5. Scroll down, select the ESP8266 board menu and install “esp8266 by ESP8266 Community”



6. Go to **Tools > Board** and choose your ESP8266 board. Then, re-open Arduino IDE.

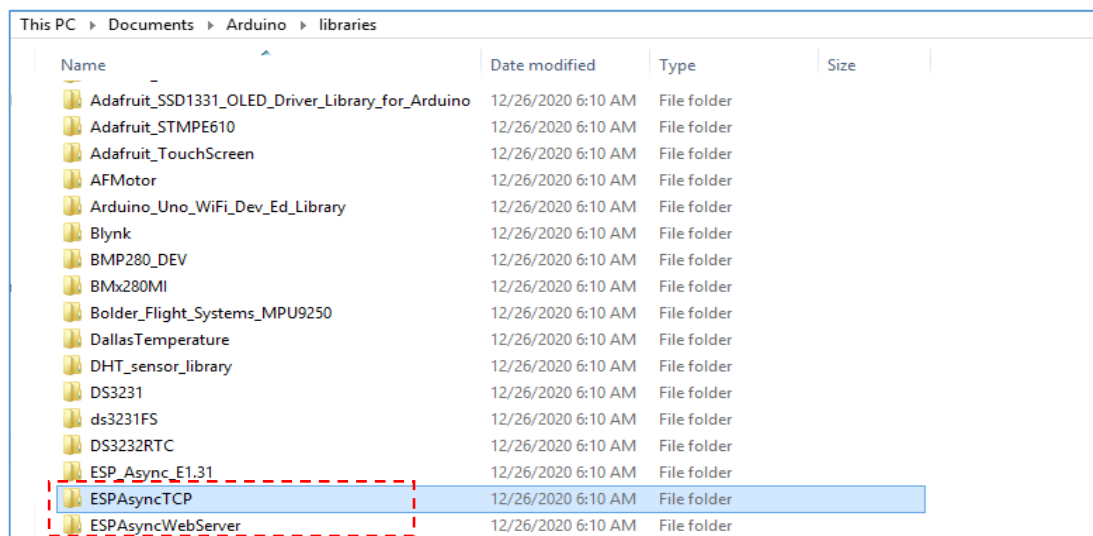
## Installing Libraries – Async Web Server

ESPAsyncWebServer

ESPAsyncTCP

[https://drive.google.com/drive/folders/1VTgMdVMUwMfgaHR\\_b4LRpA5ckQuYwwln?usp=sharing](https://drive.google.com/drive/folders/1VTgMdVMUwMfgaHR_b4LRpA5ckQuYwwln?usp=sharing)

Copy those two library into IDE Library



## Download the code for ESP8266

```
ESP8266_door_lock_rv6 | Arduino 1.8.12
File Edit Sketch Tools Help
Upload

ESP8266_door_lock_rv6

#include <ESP8266WiFi.h>
#include <ESPAsyncTCP.h>
#include <ESPAsyncWebServer.h>

const char* ssid = "Engineer2you-Home";
const char* password = "123456789";

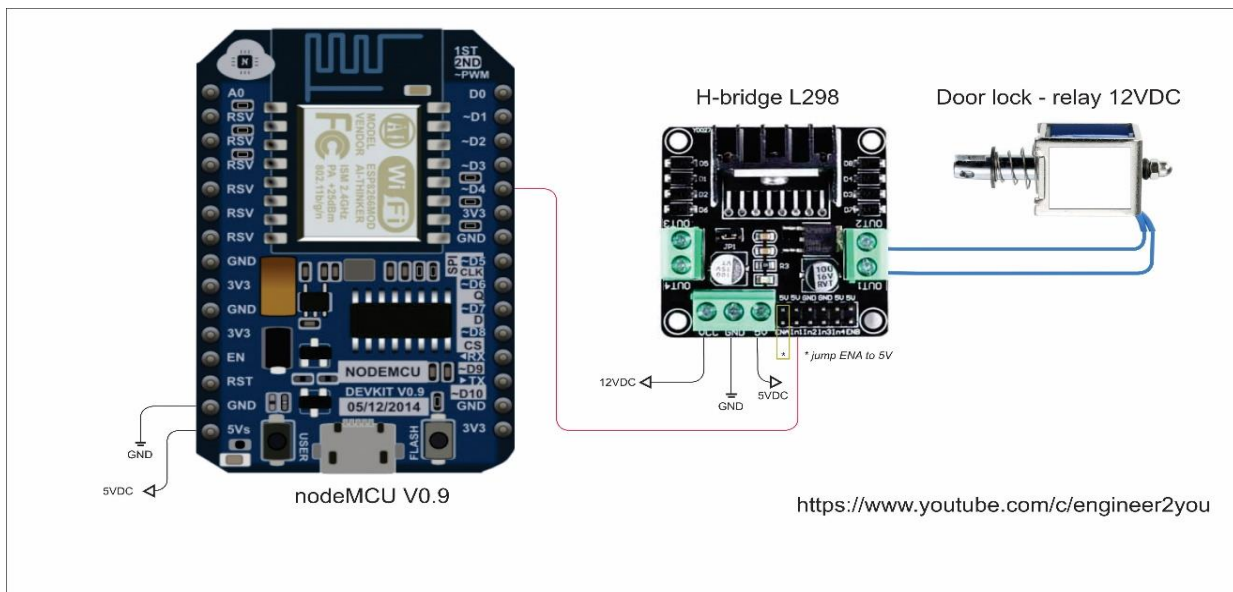
IPAddress apIP(72, 72, 72, 72); // Defining a static IP address

int output_value_lock = 0;
int socket_data = 0;
const int ledPin_lockPin = 2;
int password_state_typing = 0;
int password_state_wrong = 0;
int password_key = 0;

// Create AsyncWebServer object on port 80
AsyncWebServer server(80);
AsyncWebSocket ws("/ws");

const char index_html[] PROGMEM = R"rawliteral(
<!DOCTYPE HTML><html>
<head>
```

## Make the circuit



Note: you can replace H-bridge by Transistor or another module to control the Relay

## Make QR code for door

Go to this URL to make your own QR code address for door

<https://www.qr-code-generator.com/solutions/wifi-qr-code/>

