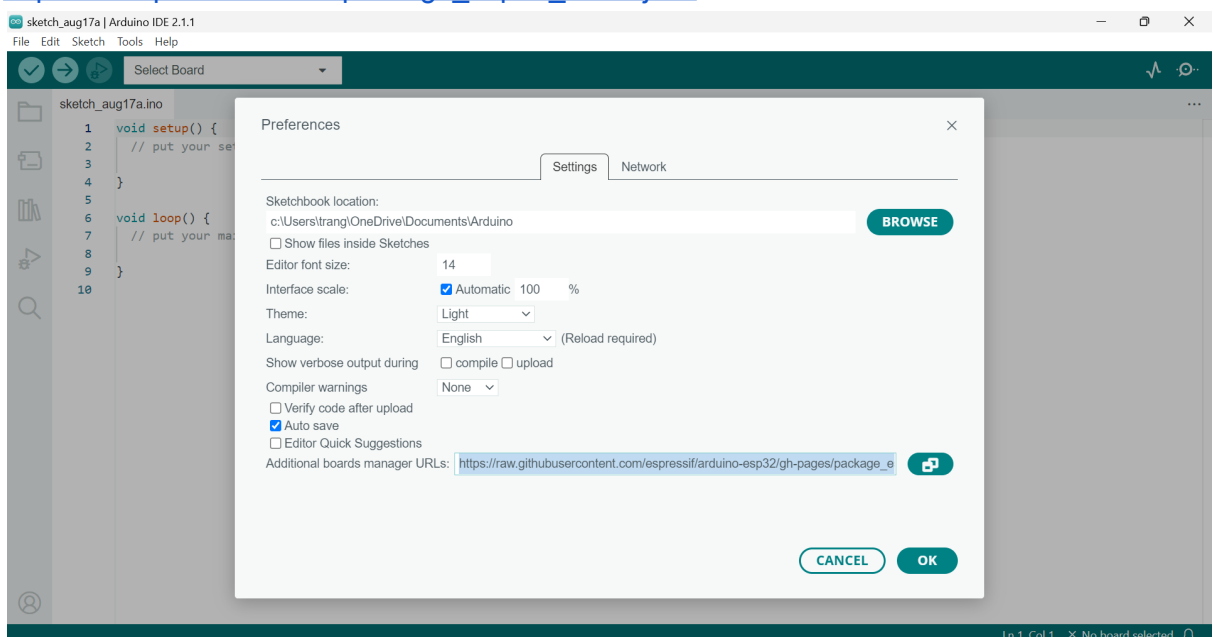


In this short report, I will give you step-by-step instructions on how to get your ESP32 device connected to a network using Arduino IDE.

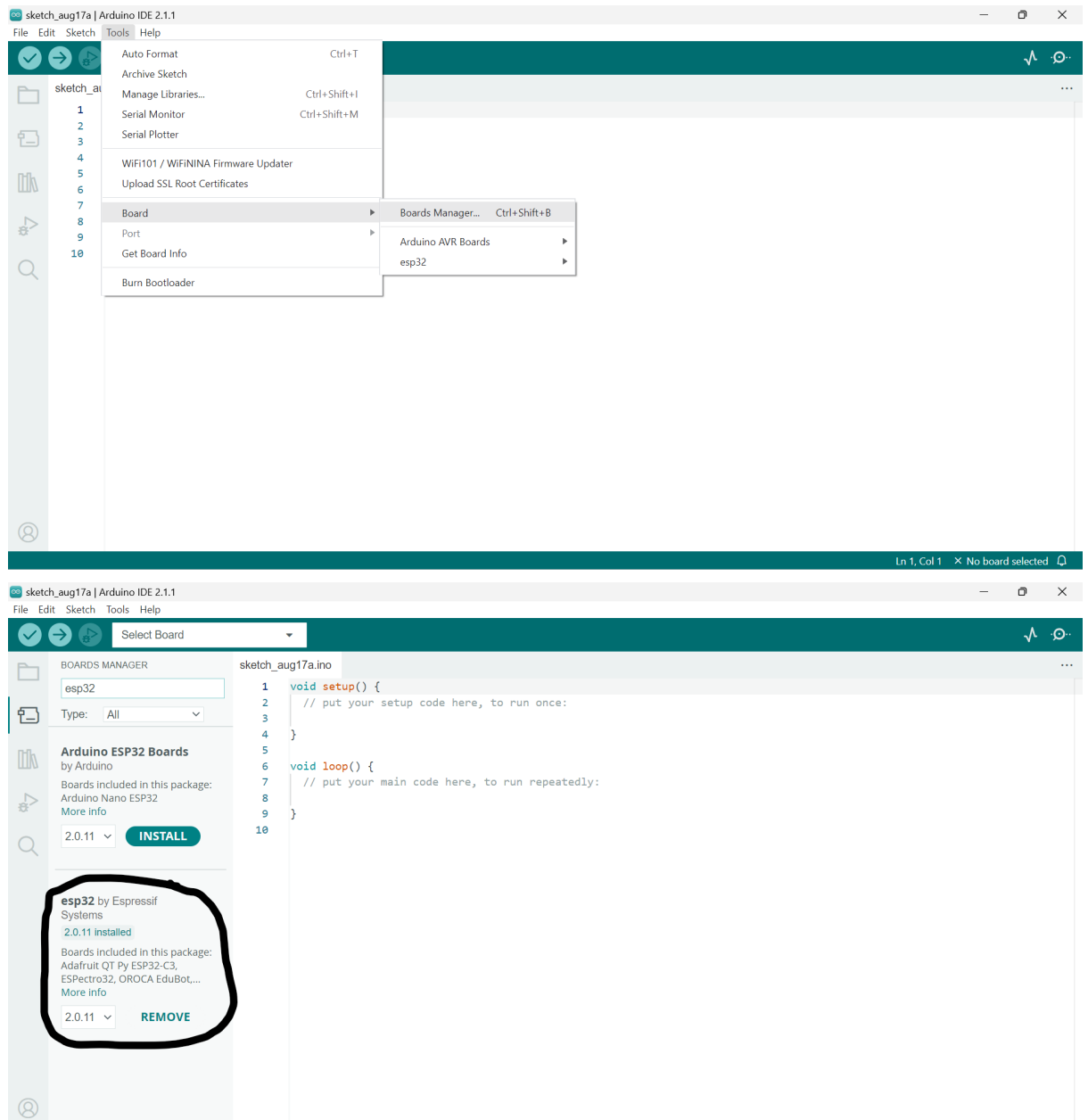
1. Make sure you have the latest version of Arduino IDE installed for your platform. You can find the download link here: <https://www.arduino.cc/en/software>



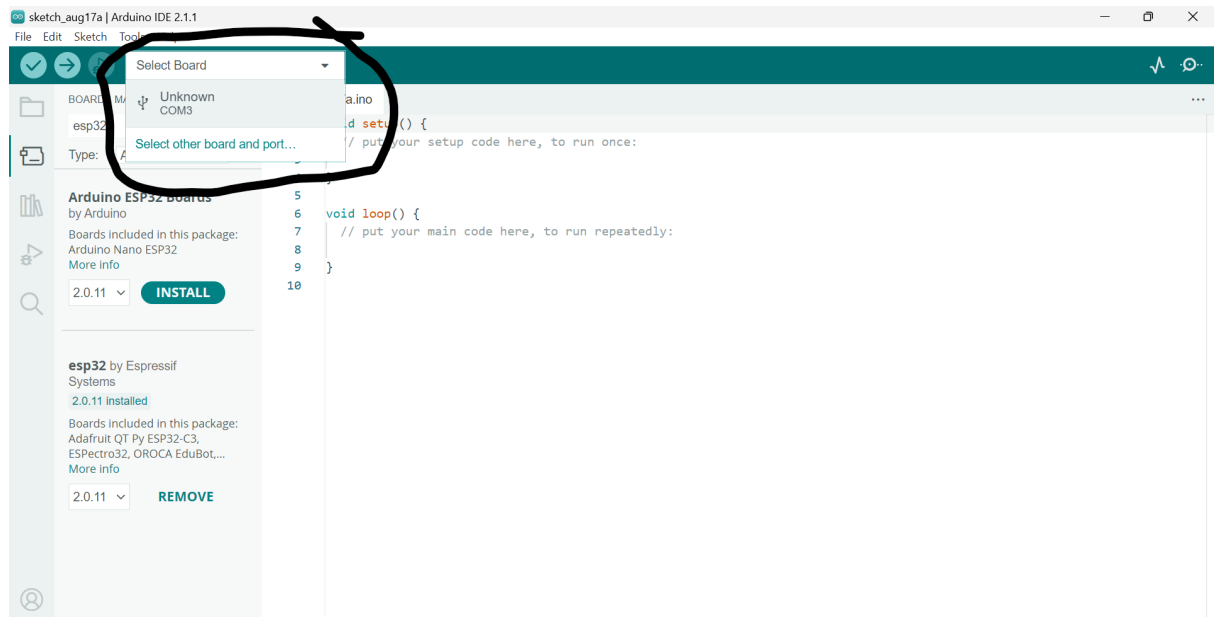
2. After Installing and opening Arduino, head to File > Preferences and then put the following link into "Additional Board Manager URLs" Link:
https://dl.espressif.com/dl/package_esp32_index.json



3. Click OK. Then head to Tools > Board > Board Manager. Then search for "esp32" and install: "esp32 by Espressif Systems"



4. Now plug your ESP32 Board into your computer and select Tools > Board and then select the Board that you have connected. You can now upload code to your ESP32 board



5. Write the code that helps connect your ESP32 board to the internet. Below is an example. Replace “your_network_ssid” and “your_network_password” with your wifi’s ssid and password

```
#include <WiFi.h>
```

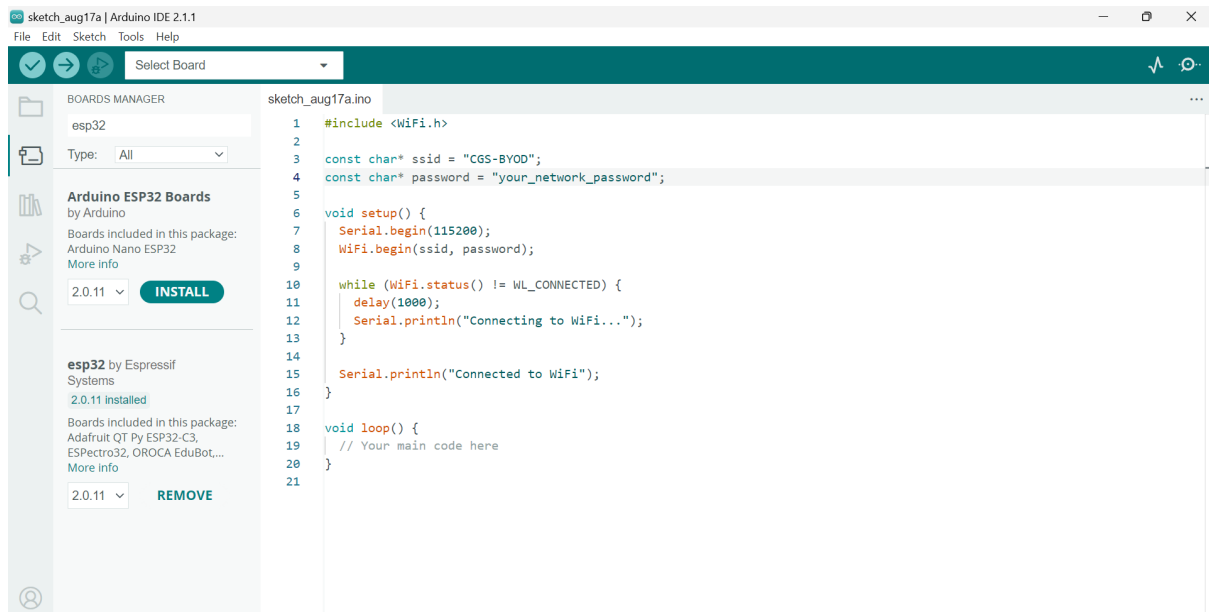
```
const char* ssid = "your_network_ssid";  
const char* password = "your_network_password";
```

```
void setup() {  
  Serial.begin(115200);  
  WiFi.begin(ssid, password);
```

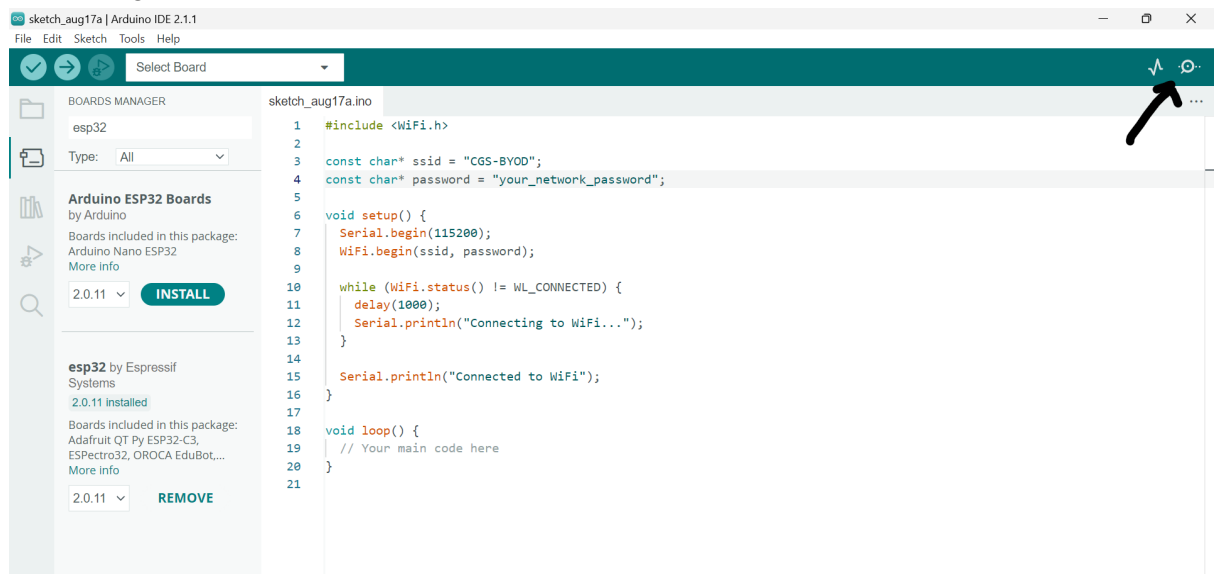
```
  while (WiFi.status() != WL_CONNECTED) {  
    delay(1000);  
    Serial.println("Connecting to WiFi...");  
  }
```

```
  Serial.println("Connected to WiFi");  
}
```

```
void loop() {  
  // Your main code here  
}
```



6. Open the serial monitor in the Arduino IDE. This will show the progress of the ESP32 connecting to the internet.



7. The ESP32 should now be connected to the internet!