Wi-Fi_LED ZIP

Step 1:

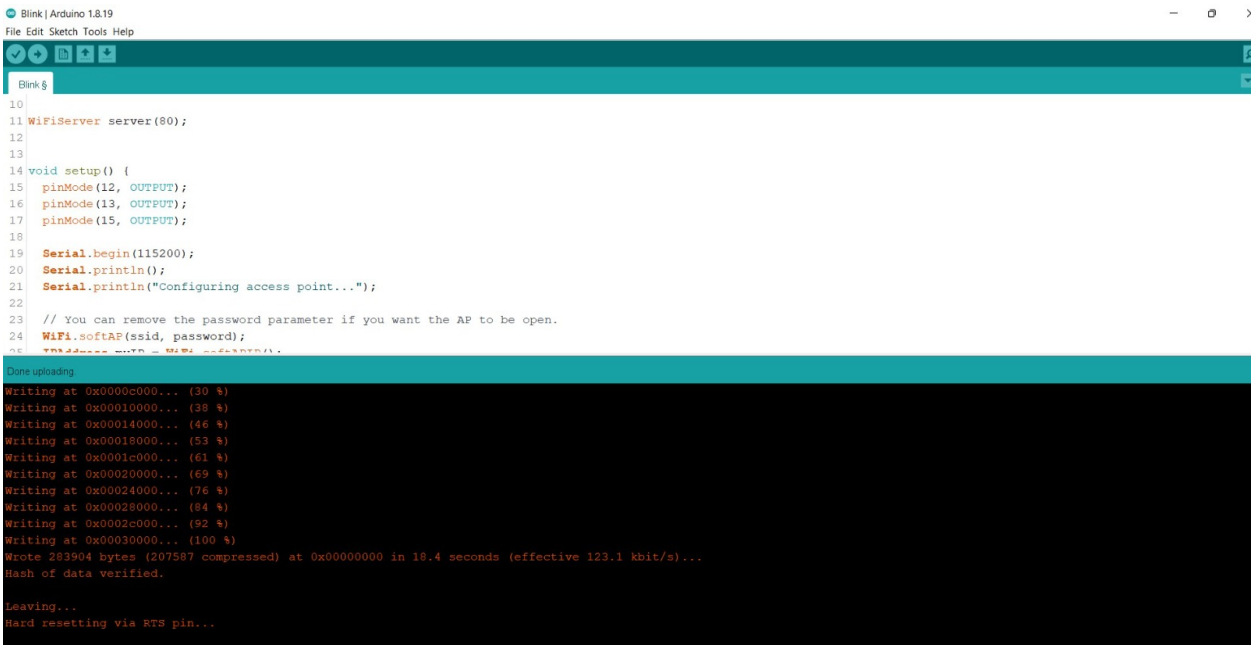
Copy the code from given ZIP file  and change the username and password

```
#include <ESP8266WiFi.h>
#include <WiFiClient.h>
#include <ESP8266WebServer.h>

#define LED_BUILTIN 2   // Set the GPIO pin where you connected your test LED or comment this line out if your dev board has a built-in

// Set these to your desired credentials.
const char *ssid = "CY510-SAFAL";
const char *password = "SAFAL123";

WiFiServer server(80);


void setup() {
  pinMode(12, OUTPUT);
  pinMode(13, OUTPUT);
  pinMode(15, OUTPUT);

  Serial.begin(115200);
  Serial.println();
  Serial.println("Configuring access point...");

  // You can remove the password parameter if you want the AP to be open.
  WiFi.softAP(ssid, password);
  IPAddress myIP = WiFi.softAPIP();
  Serial.print("AP IP address: ");
  Serial.println(myIP);
```

Step 2:

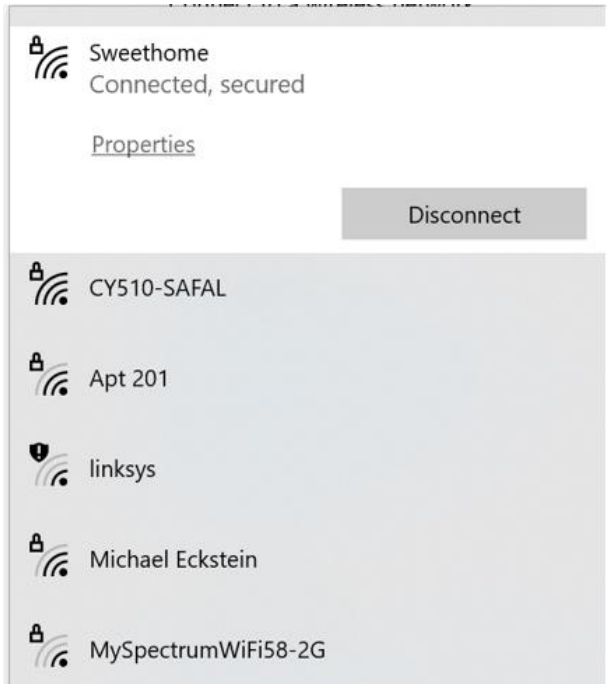
Verify and upload

```
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\python3\\3.7.2-post1/python3" -I "C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\xtensa-lx106-elf-gcc\\3.0.4-gcc10.3-1757bed/bin/xtensa-lx106-elf-gcc" -CC -E -P -DVTABLES_IN_FLASH
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\xtensa-lx106-elf-gcc\\3.0.4-gcc10.3-1757bed/bin/xtensa-lx106-elf-gcc" -CC -E -P -DVTABLES_IN_FLASH
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\xtensa-lx106-elf-gcc\\3.0.4-gcc10.3-1757bed/bin/xtensa-lx106-elf-gcc" -fno-exceptions -Wl,-Map "-W
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\python3\\3.7.2-post1/python3" -I "C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\
Creating BIN file "C:\Users\hales\AppData\Local\Temp\arduino_build_764755/Blink.ino.bin" using "C:\Users\hales\AppData\Local\Arduino15\packages\esp8266\hardware\esp8266\3
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\python3\\3.7.2-post1/python3" -I "C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\python3\\3.7.2-post1/python3" -I "C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\
Executable segment sizes:
ICACHE : 32768           - flash instruction cache
IROM   : 248576          - code in flash         (default or ICACHE_FLASH_ATTR)
IRAM   : 28109   / 32768 - code in IRAM          (IRAM_ATTR, ISRs...)
DATA   : 1504  )         - initialized variables (global, static) in RAM/HEAP
RODATA : 1560  ) / 81920 - constants             (global, static) in RAM/HEAP
BSS    : 25784 )         - zeroed variables      (global, static) in RAM/HEAP
Using library ESP8266WiFi at version 1.0 in folder: C:\Users\hales\AppData\Local\Arduino15\packages\esp8266\hardware\esp8266\3.0.2\libraries\ESP8266WiFi
Using library ESP8266WebServer at version 1.0 in folder: C:\Users\hales\AppData\Local\Arduino15\packages\esp8266\hardware\esp8266\3.0.2\libraries\ESP8266WebServer
"C:\\Users\\hales\\AppData\\Local\\Arduino15\\packages\\esp8266\\tools\\xtensa-lx106-elf-gcc\\3.0.4-gcc10.3-1757bed/bin/xtensa-lx106-elf-size" -A "C:\\Users\\hales\\AppDa
Sketch uses 279749 bytes (26%) of program storage space. Maximum is 1044464 bytes.
Global variables use 28848 bytes (35%) of dynamic memory, leaving 53072 bytes for local variables. Maximum is 81920 bytes.
esptool.py v3.0
Serial port COM5
Connecting....
Chip is ESP8285
Features: WiFi, Embedded Flash
Crystal is 26MHz
MAC: c8:2b:96:70:93:ae
Uploading stub...
Running stub...
Stub running...
```

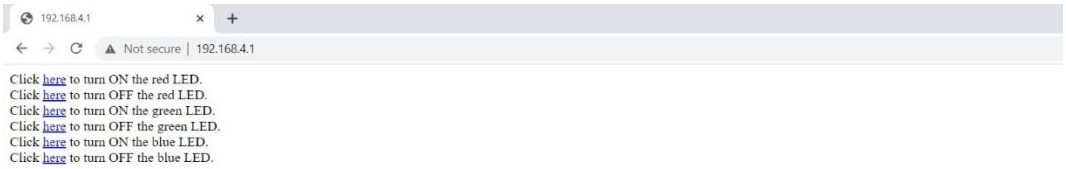



Step 3:

If the code is updated and running, then connect to wifi



Step 4: Open chrome and connect to 192.168.4.1/H




Step 5: Click the link to change the state of light