程式：WIFIAPMODE(啟動AP模式)

**開啟程式**WIFIAPMODE

**程式位址：**https://github.com/brucetsao/BruceCourses/blob/master/105ANQU\_IOT/Code/WIFIAPMODE/WIFIAPMODE.ino

|  |
| --- |
| #include <WiFi.h>char ssid[] = "Ameba"; //Set the AP's SSIDchar pass[] = "12345678"; //Set the AP's passwordchar channel[] = "1"; //Set the AP's channelint status = WL\_IDLE\_STATUS; // the Wifi radio's statusvoid setup() { //Initialize serial and wait for port to open: Serial.begin(9600); while (!Serial) { ; // wait for serial port to connect. Needed for native USB port only } // check for the presence of the shield: if (WiFi.status() == WL\_NO\_SHIELD) { Serial.println("WiFi shield not present"); while (true); } String fv = WiFi.firmwareVersion(); if (fv != "1.1.0") { Serial.println("Please upgrade the firmware"); } // attempt to start AP: while (status != WL\_CONNECTED) { Serial.print("Attempting to start AP with SSID: "); Serial.println(ssid); status = WiFi.apbegin(ssid, pass, channel); delay(10000); } //AP MODE already started: Serial.println("AP mode already started"); Serial.println(); printWifiData(); printCurrentNet();}void loop() { // check the network connection once every 10 seconds: delay(10000); printCurrentNet();}void printWifiData() { // print your WiFi shield's IP address: IPAddress ip = WiFi.localIP(); Serial.print("IP Address: "); Serial.println(ip); // print your subnet mask: IPAddress subnet = WiFi.subnetMask(); Serial.print("NetMask: "); Serial.println(subnet); // print your gateway address: IPAddress gateway = WiFi.gatewayIP(); Serial.print("Gateway: "); Serial.println(gateway); Serial.println();}void printCurrentNet() { // print the SSID of the AP: Serial.print("SSID: "); Serial.println(WiFi.SSID()); // print the MAC address of AP: byte bssid[6]; WiFi.BSSID(bssid); Serial.print("BSSID: "); Serial.print(bssid[0], HEX); Serial.print(":"); Serial.print(bssid[1], HEX); Serial.print(":"); Serial.print(bssid[2], HEX); Serial.print(":"); Serial.print(bssid[3], HEX); Serial.print(":"); Serial.print(bssid[4], HEX); Serial.print(":"); Serial.println(bssid[5], HEX); // print the encryption type: byte encryption = WiFi.encryptionType(); Serial.print("Encryption Type:"); Serial.println(encryption, HEX); Serial.println();} |

WIFIAPMODE**程式重點解說**

* WiFi.apbegin(ssid, pass, channel); 啟動AP模式
* Ssid🡺AP名字
* Pass🡺AP 連線密碼
* Channel🡺AP 連線通道
* printWifiData(); 列印網路資訊
* WiFi.BSSID(bssid); 列印AP網路資訊
* WiFi.encryptionType(); AP加密狀態