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

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| #include <WiFi.h>  char ssid[] = "Ameba"; //Set the AP's SSID  char pass[] = "12345678"; //Set the AP's password  char channel[] = "1"; //Set the AP's channel  int status = WL\_IDLE\_STATUS; // the Wifi radio's status  void 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