程式：WiFiWebClient 讀取網頁資料

**開啟程式**WiFiWebClient

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

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| #include <WiFi.h>  char ssid[] = "Ameba"; // your network SSID (name)  char pass[] = "AP1234"; // your network password (use for WPA, or use as key for WEP)  int keyIndex = 0; // your network key Index number (needed only for WEP)  int status = WL\_IDLE\_STATUS;  //IPAddress server(64,233,189,94); // numeric IP for Google (no DNS)  char server[] = "www.google.com"; // name address for Google (using DNS)  WiFiClient client;  void setup() {  //Initialize serial and wait for port to open:  Serial.begin(9600);  while (!Serial) {  ;  }  // check for the presence of the shield:  if (WiFi.status() == WL\_NO\_SHIELD) {  Serial.println("WiFi shield not present");  // don't continue:  while (true);  }  String fv = WiFi.firmwareVersion();  if (fv != "1.1.0") {  Serial.println("Please upgrade the firmware");  }  // attempt to connect to Wifi network:  while (status != WL\_CONNECTED) {  Serial.print("Attempting to connect to SSID: ");  Serial.println(ssid);  // Connect to WPA/WPA2 network. Change this line if using open or WEP network:  status = WiFi.begin(ssid, pass);  // wait 10 seconds for connection:  delay(10000);  }  Serial.println("Connected to wifi");  printWifiStatus();  Serial.println("\nStarting connection to server...");  // if you get a connection, report back via serial:  if (client.connect(server, 80)) {  Serial.println("connected to server");  // Make a HTTP request:  client.println("GET /search?q=ameba HTTP/1.1");  client.println("Host: www.google.com");  client.println("Connection: close");  client.println();  }  }  void loop() {  // if there are incoming bytes available  // from the server, read them and print them:  while (client.available()) {  char c = client.read();  Serial.write(c);  }  // if the server's disconnected, stop the client:  if (!client.connected()) {  Serial.println();  Serial.println("disconnecting from server.");  client.stop();  // do nothing forevermore:  while (true);  }  }  void printWifiStatus() {  // print the SSID of the network you're attached to:  Serial.print("SSID: ");  Serial.println(WiFi.SSID());  // print your WiFi shield's IP address:  IPAddress ip = WiFi.localIP();  Serial.print("IP Address: ");  Serial.println(ip);  // print the received signal strength:  long rssi = WiFi.RSSI();  Serial.print("signal strength (RSSI):");  Serial.print(rssi);  Serial.println(" dBm");  } |

WiFiWebClient**程式重點解說**

* #include <WiFi.h> 使用網路必要函數
* uint8\_t MacData[6]; 儲存 MAC資料
* GetWifiMac() 取得MAC函數
* WiFi.status(); 顯示WIFI狀態
* printWifiStatus(); 列印網路狀態
* client.connect(server, 80) 連到Server(用port80)
* client.println(“GET /search?q=ameba HTTP/1.1”); 送給伺服器端資料
* client.available() 連線對象要送資料
* char c = client.read(); 讀取連線對象要送資料

 