程式：取得MAC資料

**開啟程式CheckMac**

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

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| #include <WiFi.h>uint8\_t MacData[6];String MacAddress ;void setup() { Serial.begin(9600) ; MacAddress = GetWifiMac() ; ShowMac() ; }void loop() { // run over and over }void ShowMac(){  Serial.print("MAC:"); Serial.print(MacAddress); Serial.print("\n");}String GetWifiMac(){ String tt ; String t1,t2,t3,t4,t5,t6 ; WiFi.status(); //this method must be used for get MAC WiFi.macAddress(MacData);  Serial.print("Mac:"); Serial.print(MacData[0],HEX) ; Serial.print("/"); Serial.print(MacData[1],HEX) ; Serial.print("/"); Serial.print(MacData[2],HEX) ; Serial.print("/"); Serial.print(MacData[3],HEX) ; Serial.print("/"); Serial.print(MacData[4],HEX) ; Serial.print("/"); Serial.print(MacData[5],HEX) ; Serial.print("~");  t1 = print2HEX((int)MacData[0]); t2 = print2HEX((int)MacData[1]); t3 = print2HEX((int)MacData[2]); t4 = print2HEX((int)MacData[3]); t5 = print2HEX((int)MacData[4]); t6 = print2HEX((int)MacData[5]); tt = (t1+t2+t3+t4+t5+t6) ;Serial.print(tt);Serial.print("\n");  return tt ;}String print2HEX(int number) { String ttt ; if (number >= 0 && number < 16) { ttt = String("0") + String(number,HEX); } else { ttt = String(number,HEX); } return ttt ;} |

**CheckMac 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
* WiFi.macAddress(MacData); 取得MAC資料
* print2HEX() 轉換內容為十六進位碼