變數不能大寫。

有單引號(')、換行(\n)要設為脫逸字元。

~~字串變數不用留雙引號~~

★字首單引號前加空格( ),避免被excel去掉。

此空格

若積木只有單行程式碼,換行依據：尾部有沒有；分號

變數若是#define BUTTON\_PIN 3，記得在變數名稱前加空格( ) '#define BUTTON\_PIN '+value\_pin

若每行程式碼前是 → Tab鍵，要改成空格( )

Statements區塊

+ ' \ value\_

|  |  |
| --- | --- |
| \_01imi\_gpscloud\_init  iMi雲端平台ESP32 GPS板初始化  UART通訊  \_02imi\_gpscloud\_uart  RX: TX:  **16**  **17**  '//UART'  '#define U1RXD '+value\_rx  '#define U1TXD '+value\_tx | #include "arduino\_secrets.h"  #include "thingProperties.h"  //=====變數設定 Start=====  Statements區塊  //=====變數設定 End=====  double Lats[4][6]={  {22.6364582999265,22.6364582999265,22.6364582999265,22.6364582999265,22.6364582999265,22.6364582999265},  {22.6349390408069,22.6349390408069,22.6349390408069,22.6349390408069,22.6349390408069,22.6349390408069},  {22.6334197816872,22.6334197816872,22.6334197816872,22.6334197816872,22.6334197816872,22.6334197816872},  {22.6319005225676,22.6319005225676,22.6319005225676,22.6319005225676,22.6319005225676,22.6319005225676}  };  double Longs[4][6]={  {120.30257035839 , 120.304121598992, 120.305672839593 , 120.307224080195 , 120.308775320796 , 120.310326561398},  {120.30257035839 , 120.304121598992, 120.305672839593 , 120.307224080195 , 120.308775320796 , 120.310326561398},  {120.30257035839 , 120.304121598992, 120.305672839593 , 120.307224080195 , 120.308775320796 , 120.310326561398},  {120.30257035839 , 120.304121598992, 120.305672839593 , 120.307224080195 , 120.308775320796 , 120.310326561398}  };  int carX = 0;  int carY = 0; |
| \_03imi\_gpscloud\_setup  Arduino Cloud雲端平台 setup區設定 | void setup() {  Serial.begin(115200);  Serial2.begin(9600, SERIAL\_8N1, U1RXD, U1TXD);  delay(1500);  // Defined in thingProperties.h  initProperties();  // Connect to Arduino IoT Cloud  ArduinoCloud.begin(ArduinoIoTPreferredConnection);    setDebugMessageLevel(2);  ArduinoCloud.printDebugInfo();  } |
| \_04imi\_gpscloud\_loop  Arduino Cloud雲端平台 loop區設定 | 'ArduinoCloud.update();' |
| \_05imi\_gpscloud\_getesp32xy  [取得]ESP32 MQTT板訊息:XY座標 | 'String str = Serial2.readString();'  ' if(str !=""){'  ' carX = (int)(str.charAt(0) - \'0\');'  ' carY = (int)(str.charAt(1) - \'0\');'  ' Serial.println(carX);'  ' Serial.println(carY);' |
| \_06imi\_gpscloud\_googlemap  開始模擬Google Map地圖移動 | 'coordinates = {Lats[carX][carY], Longs[carX][carY]};\n}' |
|  |  |