

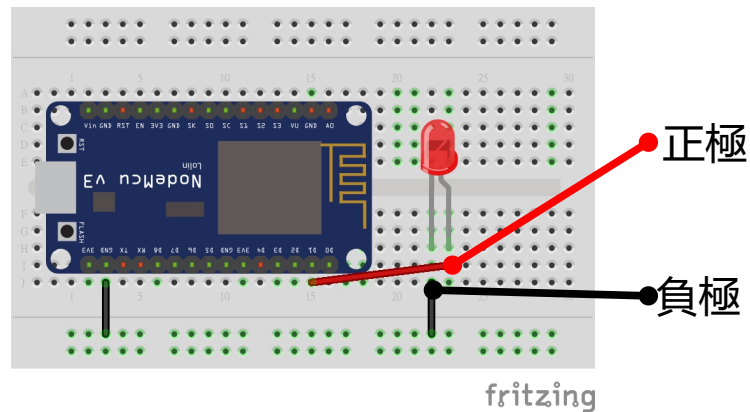
LED 閃爍

此章節解說如何透過 NodeMCU 控制LED閃爍。如果對於建置環境不了解，先參考「NodeMCU_HelloWorld」章節

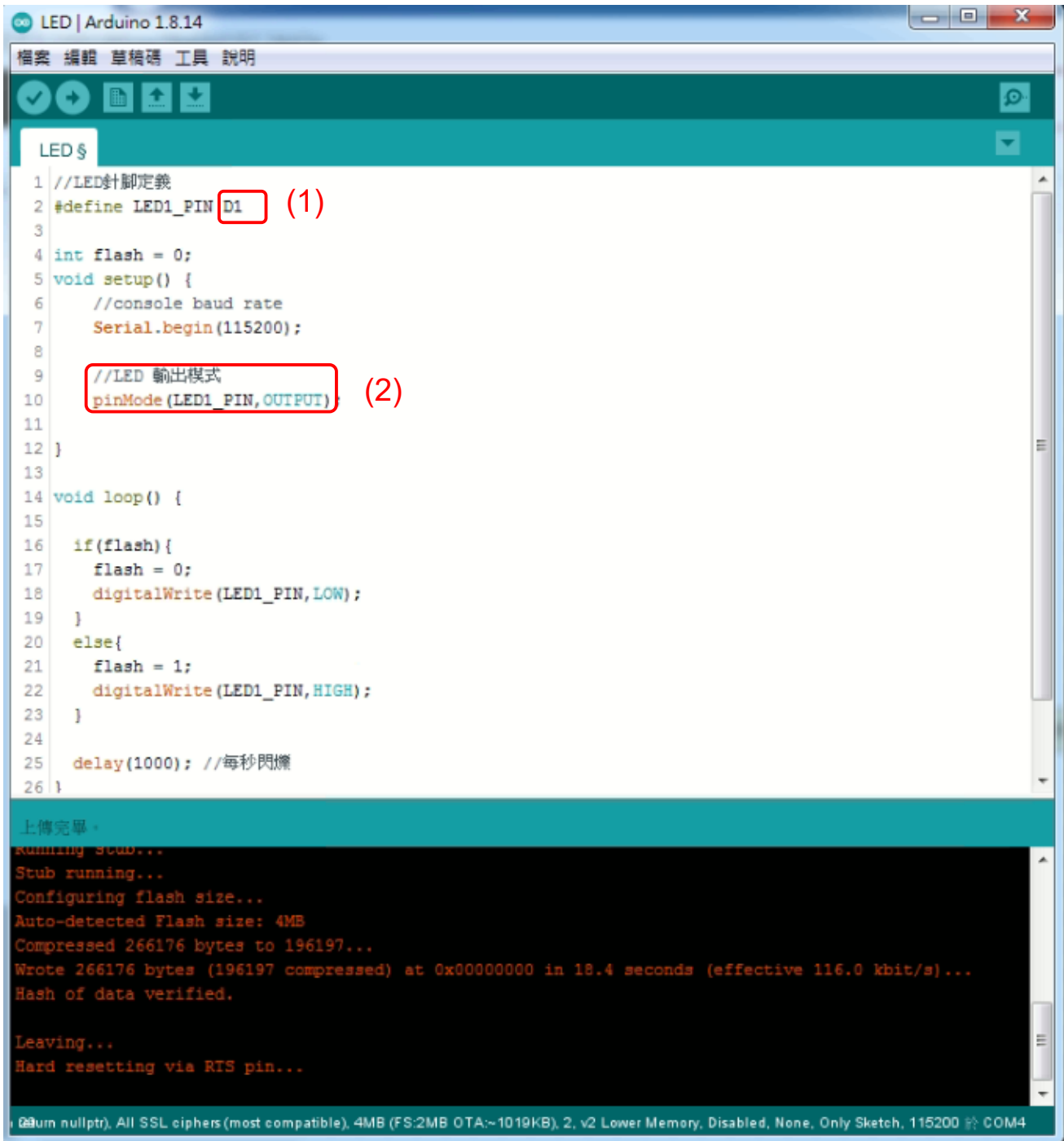
前置作業：

LED正極接在D1 Pin腳

LED負極接在GND



1. 編寫草稿碼 -> 上傳至 NodeMCU 開發板



```
LED $
1 //LED針腳定義
2 #define LED1_PIN D1 (1)
3
4 int flash = 0;
5 void setup() {
6     //console baud rate
7     Serial.begin(115200);
8
9     //LED 輸出模式 (2)
10    pinMode(LED1_PIN,OUTPUT);
11
12 }
13
14 void loop() {
15
16     if(flash){
17         flash = 0;
18         digitalWrite(LED1_PIN,LOW);
19     }
20     else{
21         flash = 1;
22         digitalWrite(LED1_PIN,HIGH);
23     }
24
25     delay(1000); //每秒閃爍
26 }
```

上傳完畢。

Running stub...

Stub running...

Configuring flash size...

Auto-detected Flash size: 4MB

Compressed 266176 bytes to 196197...

Wrote 266176 bytes (196197 compressed) at 0x00000000 in 18.4 seconds (effective 116.0 kbit/s)...

Hash of data verified.

Leaving...

Hard resetting via RTS pin...

0x00000000, All SSL ciphers (most compatible), 4MB (FS:2MB OTA:~1019KB), 2, v2 Lower Memory, Disabled, None, Only Sketch, 115200 COM4

- (1) 定義 D1 Pin腳為LED正極
- (2) 設定D1 Pin腳為輸出模式

2. 觀看結果

此時會看到LED每秒閃爍