|  |
| --- |
| #define NUM 8 // 首先定義LED的數目 |
|  |  |
|  | // 然後是LED對應的腳位，請配合接線順序填寫。 |
|  | int leds[NUM] = { |
|  | 6,7,8,9,10,11,12,13 |
|  | }; |
|  |  |
|  | // 將每個腳位模式設為OUTPUT |
|  | void setup() { |
|  | for(int i = 0; i < NUM; i++){ |
|  | pinMode(leds[i], OUTPUT); |
|  | } |
|  | } |
|  | // 雖然A3、A2、A1、A0是類比腳位， |
|  | // 但也可以把它當做數位腳位使用。 |
|  |  |
|  | // 然後是兩個迴圈， |
|  | // 第一個迴圈從這邊跑到那邊， |
|  | // 第二個迴圈跑回來。 |
|  | void loop() { |
|  |  |
|  | digitalWrite(6, HIGH); |
|  | digitalWrite(7, HIGH); |
|  | digitalWrite(8, HIGH); |
|  | digitalWrite(9, HIGH); |
|  | digitalWrite(10, HIGH); |
|  | digitalWrite(11, HIGH); |
|  | digitalWrite(12, HIGH); |
|  | digitalWrite(13, HIGH); |
|  | delay(500); |
|  | digitalWrite(6, LOW); |
|  | digitalWrite(7, LOW); |
|  | digitalWrite(8, LOW); |
|  | digitalWrite(9, LOW); |
|  | digitalWrite(10, LOW); |
|  | digitalWrite(11, LOW); |
|  | digitalWrite(12, LOW); |
|  | digitalWrite(13, LOW); |
|  | delay(500); |
|  | digitalWrite(6, HIGH); |
|  | digitalWrite(7, HIGH); |
|  | digitalWrite(8, HIGH); |
|  | digitalWrite(9, HIGH); |
|  | digitalWrite(10, HIGH); |
|  | digitalWrite(11, HIGH); |
|  | digitalWrite(12, HIGH); |
|  | digitalWrite(13, HIGH); |
|  | delay(500); |
|  | digitalWrite(6, LOW); |
|  | digitalWrite(7, LOW); |
|  | digitalWrite(8, LOW); |
|  | digitalWrite(9, LOW); |
|  | digitalWrite(10, LOW); |
|  | digitalWrite(11, LOW); |
|  | digitalWrite(12, LOW); |
|  | digitalWrite(13, LOW); |
|  | delay(500); |
|  | for(int i = 0; i < NUM; i++){ |
|  | digitalWrite(leds[i], HIGH); |
|  | delay(200); |
|  | digitalWrite(leds[i], LOW); |
|  | } |
|  | digitalWrite(6, HIGH); |
|  | digitalWrite(7, HIGH); |
|  | digitalWrite(8, HIGH); |
|  | digitalWrite(9, HIGH); |
|  | digitalWrite(10, HIGH); |
|  | digitalWrite(11, HIGH); |
|  | digitalWrite(12, HIGH); |
|  | digitalWrite(13, HIGH); |
|  | delay(500); |
|  | digitalWrite(6, LOW); |
|  | digitalWrite(7, LOW); |
|  | digitalWrite(8, LOW); |
|  | digitalWrite(9, LOW); |
|  | digitalWrite(10, LOW); |
|  | digitalWrite(11, LOW); |
|  | digitalWrite(12, LOW); |
|  | digitalWrite(13, LOW); |
|  | delay(500); |
|  | digitalWrite(6, HIGH); |
|  | digitalWrite(7, HIGH); |
|  | digitalWrite(8, HIGH); |
|  | digitalWrite(9, HIGH); |
|  | digitalWrite(10, HIGH); |
|  | digitalWrite(11, HIGH); |
|  | digitalWrite(12, HIGH); |
|  | digitalWrite(13, HIGH); |
|  | delay(500); |
|  | digitalWrite(6, LOW); |
|  | digitalWrite(7, LOW); |
|  | digitalWrite(8, LOW); |
|  | digitalWrite(9, LOW); |
|  | digitalWrite(10, LOW); |
|  | digitalWrite(11, LOW); |
|  | digitalWrite(12, LOW); |
|  | digitalWrite(13, LOW); |
|  | delay(500); |
|  | for(int i = NUM-1; i >= 0; i--){ |
|  | digitalWrite(leds[i], HIGH); |
|  | delay(200); |
|  | digitalWrite(leds[i], LOW); |
|  | } |
|  | } |
|  | // 以degitalWrite點亮LED後，延遲100 milliseconds（0.1秒）， |
|  | // 然後再滅掉，你可以修改延遲時間。 |
|  | // 你可以把第二個迴圈改為 for(int i = NUM-2; i > 0; i--)， |
|  | // 看看有何不同。 |