

Project 13: 1-digit Led segment display

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pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ cd 第十三课/一位数码管/
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ ls
oneshuma.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ nano oneshuma.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ gpio readall
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| BCM | wPi |   Name   | Mode | V | Physical | V | Mode |   Name   | wPi | BCM |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
|     |     |   3.3v   |      |   | 1 | 2 |     |   5v     |     |     | |
|  2  |  8  |  SDA.1   | ALTO | 1 | 3 | 4 |     |   5V     |     |     |
|  3  |  9  |  SCL.1   | ALTO | 1 | 5 | 6 |     |   0v     |     |     |
|  4  |  7  | GPIO. 7   | IN   | 1 | 7 | 8 |  1  |  ALTO    | TxD  | 15  | 14  |
|     |     |   0v     |      |   | 9 | 10 |  1  |  ALTO    | RxD  | 16  | 15  |
| 17  |  0  | GPIO. 0   | IN   | 0 | 11 | 12 |  0  |  IN      | GPIO. 1 | 1  | 18  |
| 27  |  2  | GPIO. 2   | IN   | 0 | 13 | 14 |     |   0v     |     |     |
| 22  |  3  | GPIO. 3   | IN   | 0 | 15 | 16 |  0  |  IN      | GPIO. 4 | 4  | 23  |
|     |     |   3.3v   |      |   | 17 | 18 |  0  |  IN      | GPIO. 5 | 5  | 24  |
| 10  | 12  |  MOSI    | ALTO | 0 | 19 | 20 |     |   0v     |     |     |
|  9  | 13  |  MISO    | ALTO | 0 | 21 | 22 |  0  |  IN      | GPIO. 6 | 6  | 25  |
| 11  | 14  |  SCLK    | ALTO | 0 | 23 | 24 |  1  |  ALTO    | CE0   | 10  |  8  |
|     |     |   0v     |      |   | 25 | 26 |  1  |  ALTO    | CE1   | 11  |  7  |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 28  | 17  | GPIO.17   | IN   | 0 | 51 | 52 |  0  |  IN      | GPIO.18 | 18  | 29  |
| 30  | 19  | GPIO.19   | IN   | 0 | 53 | 54 |  0  |  IN      | GPIO.20 | 20  | 31  |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| BCM | wPi |   Name   | Mode | V | Physical | V | Mode |   Name   | wPi | BCM |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+-----+-----+-----+
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ gcc -Wall -o oneshuma oneshuma.c -lwiringPi
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ ls
oneshuma oneshuma.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ sudo ./oneshuma
pi@raspberrypi: ~/树莓派基础套件程序资料/第十三课/一位数码管 $ █

```

Pic. 1

pi@raspberrypi: ~/...
GNU nano 2.2.6 File: oneshuma.c

```

#include <wiringPi.h>
#include <stdio.h>
#define a 5
#define b 6
#define c 10
#define d 16
#define e 15
#define f 4
#define g 1

void display0()
{
    digitalWrite(a,HIGH);
    digitalWrite(b,HIGH);
    digitalWrite(c,HIGH);
    digitalWrite(d,HIGH);
    digitalWrite(e,HIGH);
    digitalWrite(f,HIGH);
    digitalWrite(g,LOW);

}

void display1()
{
    digitalWrite(a,LOW);
    digitalWrite(b,HIGH);
    digitalWrite(c,HIGH);
    digitalWrite(d,LOW);
    digitalWrite(e,LOW);
    digitalWrite(f,LOW);
    digitalWrite(g,LOW);

}

```

[Read 163 lines]

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^X Exit	^J Justify	^W Where Is	^V Next Page	^U UnCut Text	^T To Spell