

## 树莓派第十二课 LM35温度传感器

```
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 $ 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	ALT0	1	3	4		5V		
3	9	SCL.1	ALT0	1	5	6		0v		
4	7	GPIO. 7	IN	1	7	8	1	ALT0	15	14
		0v			9	10	1	ALT0	16	15
17	0	GPIO. 0	IN	0	11	12	0	IN	1	18
27	2	GPIO. 2	IN	0	13	14		0v		
22	3	GPIO. 3	IN	0	15	16	0	IN	4	23
		3.3v			17	18	0	IN	5	24
10	12	MOSI	ALT0	0	19	20		0v		
9	13	MISO	ALT0	0	21	22	0	IN	6	25
11	14	SCLK	ALT0	0	23	24	1	ALT0	10	8
		0v			25	26	1	ALT0	11	7
28	17	GPIO.17	IN	0	51	52	0	IN	18	29
30	19	GPIO.19	IN	0	53	54	0	IN	20	31

```
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 $
```

图一

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

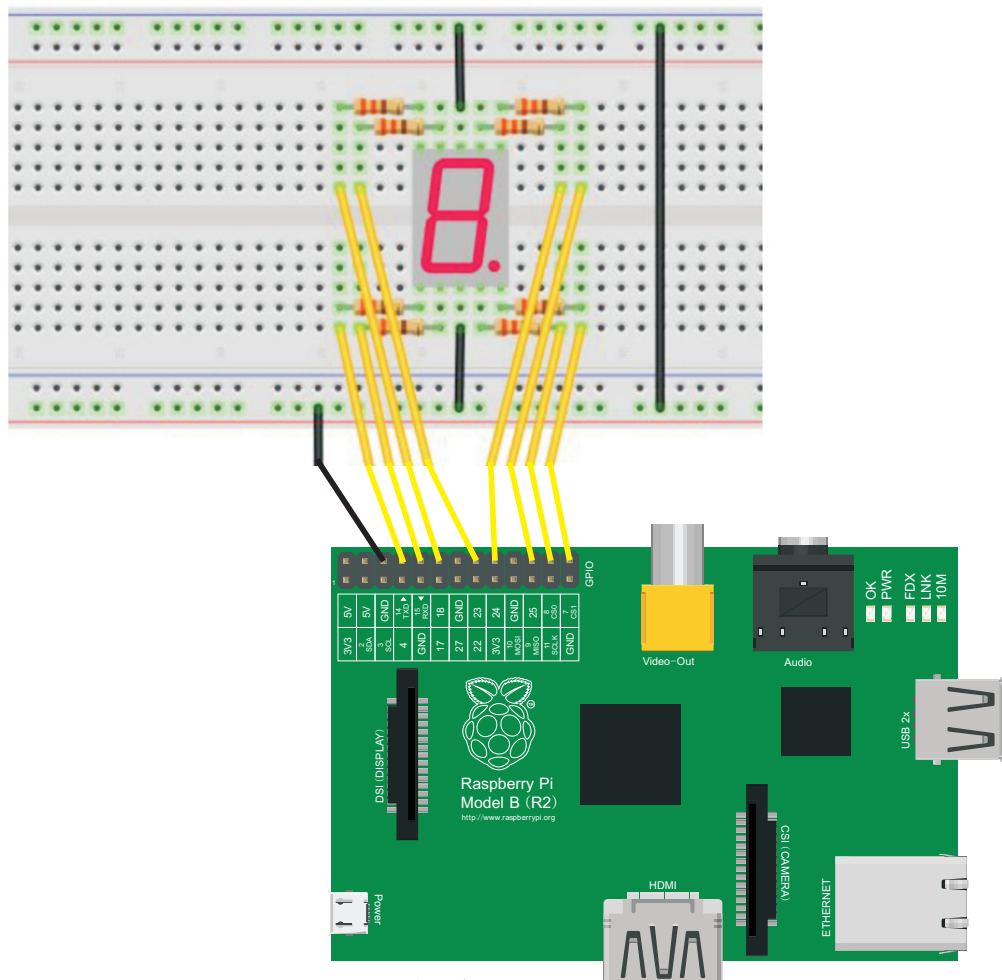
#include <wiringPi.h>
#include <stdio.h>
#define a 5
#define b 6
#define c 10
#define d 16
#define e 15
#define f 4
#define g 1

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 ]
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
```

图二



图三