

Project 9: light-controlled sound

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pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $ cd 第九课\ \ 光控声音/
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $ ls
guangsheng.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $ nano guangsheng.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $ 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    | OUT   | 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/第九课 光控声音 $ gcc -Wall -o guangsheng guangsheng.c -lwiringPi
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $ ls
guangsheng  guangsheng.c
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $ sudo ./guangsheng
pi@raspberrypi: ~/树莓派基础套件程序资料/第九课 光控声音 $

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Pic. 1

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pi@raspberrypi: ~/鐵錢坡媽俱規纒€漣榭欢辨嬭簪璽勣枌/纒 節璇? 鐘發帶滄伴堤
GNU nano 2.2.6                               File: guangsheng.c

#include <wiringPi.h>
#include <pcf8591.h>
#include <stdio.h>

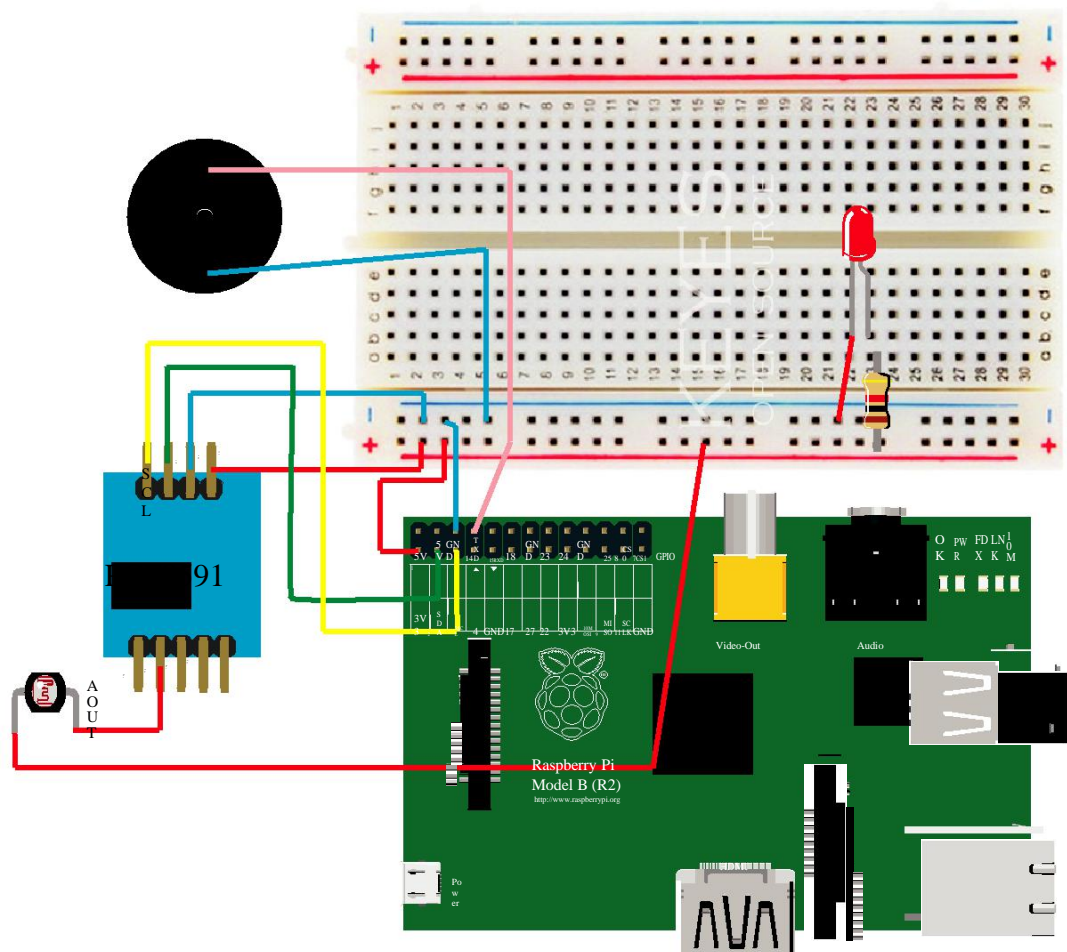
#define LED                15
#define Q2W_ABASE          120

void voice_freq (int del)
{
    digitalWrite(LED,HIGH);
    delay(del);
    digitalWrite(LED,LOW);
    delay(del);
}

int main()
{
    int value;
    //int del;
    //int val=100;
    wiringPiSetup();
    pcf8591Setup(Q2W_ABASE,0x48);
    pinMode(LED,OUTPUT);
    digitalWrite(LED,LOW);
}

[ Read 41 lines ]
^G Get Help      ^O WriteOut      ^R Read File     ^Y Prev Page     ^K Cut Text      ^C Cur Pos
^X Exit          ^U Justify       ^W Where Is     ^V Next Page     ^U UnCut Text    ^T To Spell
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Pic. 2



Pic. 3