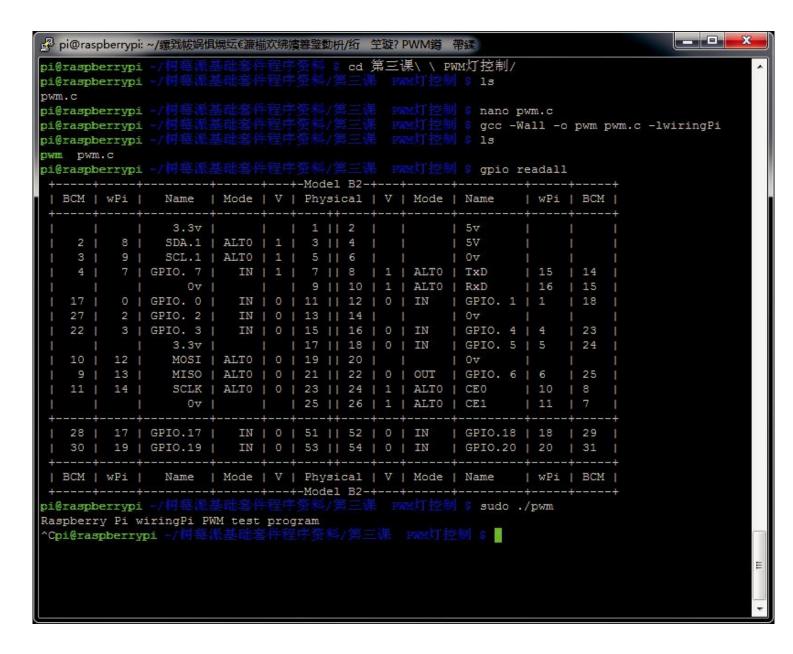


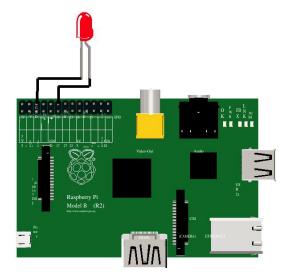
## Project 3: PWM LED brightness control

Dear all, now let's begin our second project of Raspberry Pi Starter Kit with Keyes robot. First, enter the project 2 file, same way as in project 1. In this project, we need to use Wiring Pi library (see attachment for detailed installation). Also, we will begin to learn about a simple Nano editor for checking and editing our C file. Of course, you can use Vim, a powerful editor.



```
P pi@raspberrypi: ~/羅致賊蝎佩煨纭€漁椾欢绋嬻箬盬勸枡/绗 笠璇? PWM鐏 帶錢
 GNU nano 2.2.6
                                      File: pwm.c
  int bright ;
 printf ("Raspberry Pi wiringPi PWM test program\n") ;
 if (wiringPiSetup () == -1)
   exit (1) ;
 pinMode (1, FWM_OUTPUT) ;
 for (;;)
   for (bright = 0; bright < 1024; ++bright)
     pwmWrite (1, bright) ;
     delay (1) ;
   for (bright = 1023 ; bright >= 0 ; --bright)
     pwmWrite (1, bright) ;
     delay (1) ;
                                         [ Read 58 lines ]
                                                 ^Y Prev Page
^V Next Page
                                                                                  ^C Cur Pos
^T To Spell
                                 ^R Read File
                                                                  ^K Gut Text
Get Help
                   WriteOut
                   Justify
                                   Where Is
                                                                    UnCut Text
  Exit
```

Pic. 2



Pic. 3