

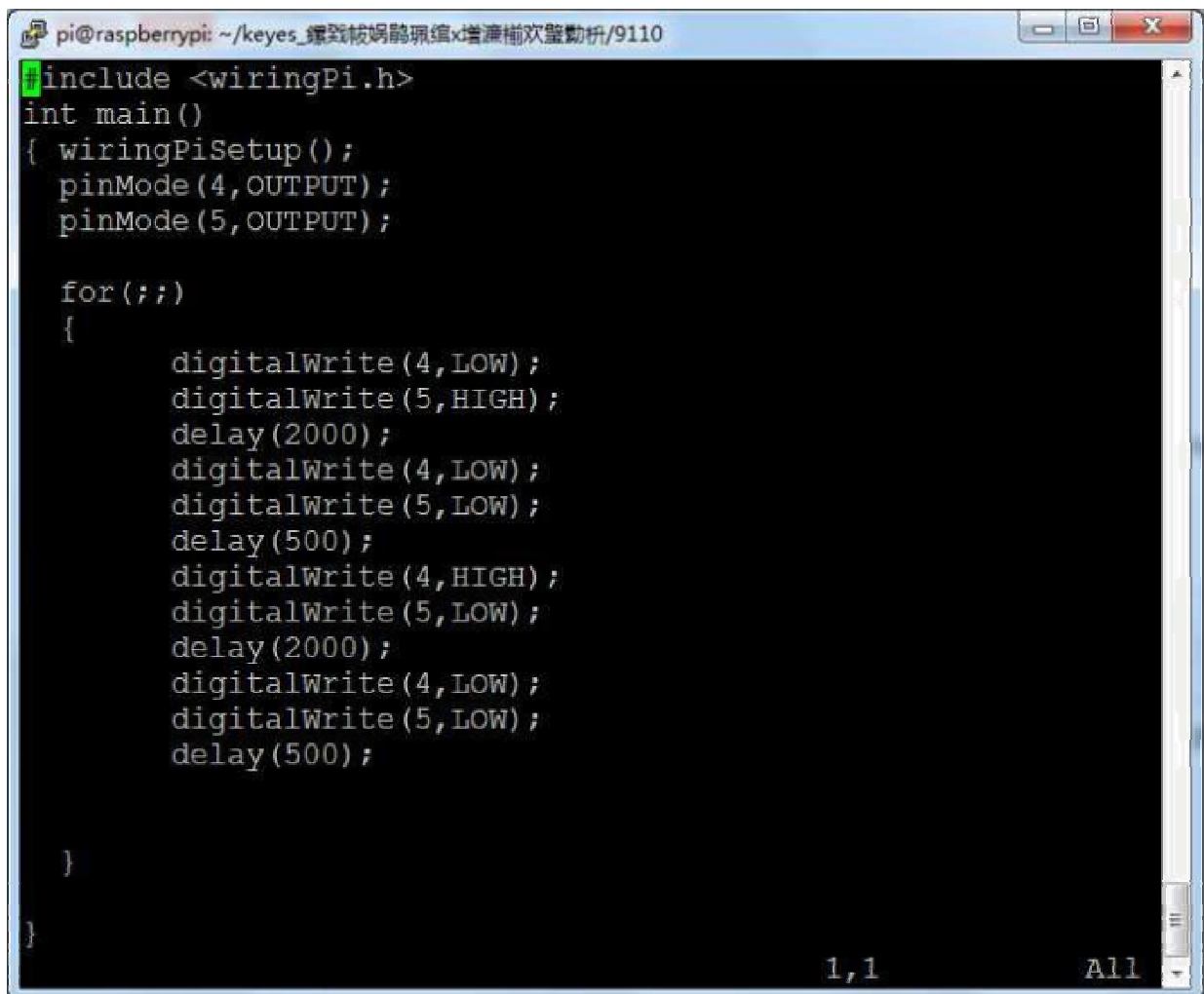


## 12 9110 Fire-fighting robot

### 1 Project process:

```
pi@raspberrypi: ~/keyes_树莓派高级版套件资料/9110
pi@raspberrypi ~/keyes_树莓派高级版套件资料/9110 $ ls
9110.c  Makefile
pi@raspberrypi ~/keyes_树莓派高级版套件资料/9110 $ vi 9110.c
pi@raspberrypi ~/keyes_树莓派高级版套件资料/9110 $ make
cc -c -o 9110.o 9110.c
gcc 9110.c -o 9110 -lwiringPi
pi@raspberrypi ~/keyes_树莓派高级版套件资料/9110 $ ls
9110  9110.c  9110.o  Makefile
pi@raspberrypi ~/keyes_树莓派高级版套件资料/9110 $ sudo ./9110
^Cpi@raspberrypi ~/keyes_树莓派高级版套件资料/9110 $
```

### 2 Project source code:

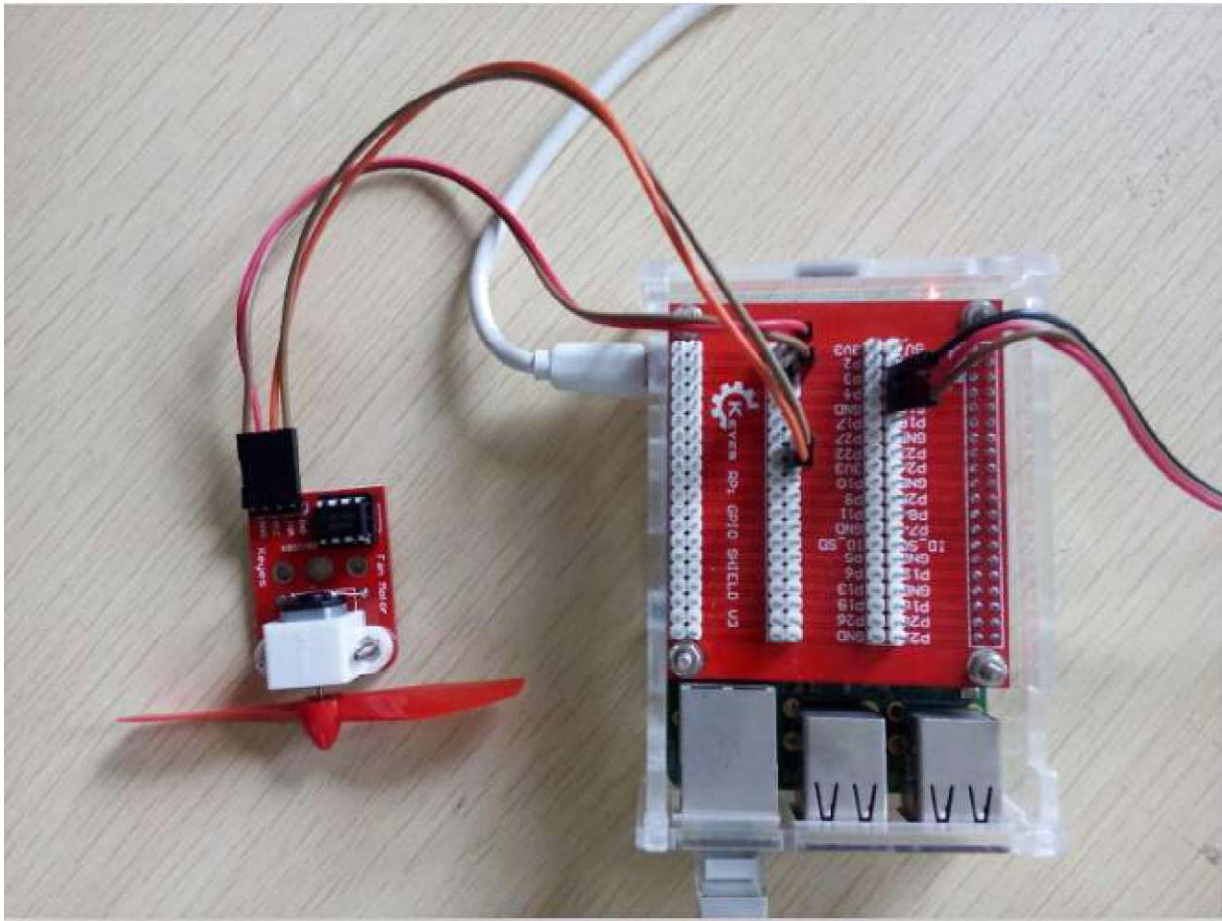


```
pi@raspberrypi: ~/keyes_...x.../9110
#include <wiringPi.h>
int main()
{ wiringPiSetup();
  pinMode(4,OUTPUT);
  pinMode(5,OUTPUT);

  for(;;)
  {
    digitalWrite(4,LOW);
    digitalWrite(5,HIGH);
    delay(2000);
    digitalWrite(4,LOW);
    digitalWrite(5,LOW);
    delay(500);
    digitalWrite(4,HIGH);
    digitalWrite(5,LOW);
    delay(2000);
    digitalWrite(4,LOW);
    digitalWrite(5,LOW);
    delay(500);
  }
}
```

### 3 Project circuit connection

After wire connection, when you run this program, you can see the the fan turns clockwise for 2 seconds, and then anti-clockwise for two seconds, and cycles on.



#### Connection diagram

INB-----5  
INA-----4  
VCC-----5V  
■ GND-----GND