

```

1: #include "Init.h"
2: int data2,output_data,temp;
3: int main()
4: {
5:     init_gpio_adc();
6:     systick_init();
7:     init_LED();
8:     while(1)
9:     {
10:
11:
12:     }
13: }
14: void SysTick_Handler ( void )
15: {
16:     int data=take_value();
17:     temp=165*data/2047;
18:     print_number_with_decimal(temp);
19:     if(temp>164)
20:         GPIOF->DATA |=0x8;
21:     else
22:         GPIOF->DATA &=0;
23: }

```