```
#ifndef HARDWARE_H
1
     #define HARDWARE_H
 3
 4
     #include "mbed.h"
     #include "pinout.h"
 5
 6
    8
 9
10
11
12
    extern PwmOut g_dsl;
extern PwmOut g_dsr;
13
14
15
    // hc-sr04 range finder
extern DigitalOut g_trg;
extern InterruptIn g_ech;
16
17
18
19
20
21
     extern InterruptIn g_swm;
22
23
    extern AnalogIn g_lit;
24
25
26
27
28
29
    void hw_init(void);
30
    #endif // HARDWARE_H
31
```