

```

1  #ifndef HARDWARE_H
2  #define HARDWARE_H
3
4  #include "mbed.h"
5  #include "pinout.h"
6
7  // seven segment display anodes
8  // when in a int8_t, they are 0b-GFEDCBA
9  extern BusOut      g_seven_seg;
10 extern BusOut      g_leds;
11
12 // display cathodes
13 extern PwmOut      g_dsl;
14 extern PwmOut      g_dsr;
15
16 // hc-sr04 range finder
17 extern DigitalOut  g_trg;
18 extern InterruptIn g_ech;
19
20 // middle switch
21 extern InterruptIn g_swm;
22
23 //control
24 extern AnalogIn   g_lit;
25
26
27
28 // hardware initialization
29 void hw_init(void);
30
31 #endif // HARDWARE_H
32

```