

```
1  /* Beeper.h - function prototypes and declarations for the c implemetation file
2  *
3  *    Copyright 2020 Graeme Judge, Sean Berkvens
4  *    Change Log:
5  *        May 3, 2020: Source file created
6  */
7
8  #include "stm32l476xx.h"
9
10 /*
11     void InitBeeper;
12
13     initializes the gpio ports as needed for the input and the outout for
14     the program to function properly
15
16     Input: None
17     Output: None
18 */
19 void InitBeeper( void );
20
21 /*
22     void Beep;
23
24     Causes the beeper to create a tone at a specific frequency
25
26     Input: a 16bit integer for the frequency to beep at
27     Output: None
28 */
29 void Beep( uint32_t hertz );
30
31 /*
32     void StopBeep;
33
34     Stops the beeper from making noise
35
36     Input: None
37     Output: None
38 */
39 void StopBeep( void );
40
```