

led.c

```
1 /*
2 =====
3 Name      : led.c
4 Author     : $(TEJAS SHINGALA)/ AKSHIT PATEL/ JAIVIK PATEL
5 Version    : 1.0
6 Copyright  : $(copyright)
7 Description : main definition
8 =====
9 */
10
11 #if defined (__USE_LPCOPEN)
12 #if defined(NO_BOARD_LIB)
13 #include "chip.h"
14 #else
15 #include "board.h"
16 #endif
17 #endif
18
19 #include <cr_section_macros.h>
20
21 // TODO: insert other include files here
22
23 // TODO: insert other definitions and declarations here
24
25 int main(void) {
26
27 #if defined (__USE_LPCOPEN)
28     // Read clock settings and update SystemCoreClock variable
29     SystemCoreClockUpdate();
30 #if !defined(NO_BOARD_LIB)
31     // Set up and initialize all required blocks and
32     // functions related to the board hardware
33     Board_Init();
34     // Set the LED to the state of "On"
35     Board_LED_Set(0, true);
36     //Board_LED_Set(1, true);
37     // Board_LED_Set(2, true);
38 #endif
39 #endif
40
41     // TODO: insert code here
42
43     // Force the counter to be placed into memory
44     volatile static int i = 0 ;
45     // Enter an infinite loop, just incrementing a counter
46     while(1) {
```

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```
47     int k,j;
48         Board_LED_Set(0,false);
49         Board_LED_Set(1,true);
50         Board_LED_Set(2,true);
51         for(k=0;k<5000;k++)
52         {
53             for(j=0;j<2000;j++)
54             {}
55         }
56
57         Board_LED_Set(0,true);
58         Board_LED_Set(1,false);
59         Board_LED_Set(2,true);
60         for(k=0;k<5000;k++)
61         {
62             for(j=0;j<2000;j++)
63             {}
64         }
65
66         Board_LED_Set(0,true);
67         Board_LED_Set(1,true);
68         Board_LED_Set(2,false);
69         for(k=0;k<5000;k++)
70         {
71             for(j=0;j<2000;j++)
72             {}
73         }
74
75
76
77         i++ ;
78     }
79     return 0 ;
80 }
81
```