

```

1 //=====
2 //
3 // Step 07
4 // PwmOut    dimming on-board LED
5 //
6 //=====
7
8 #include "mbed.h"
9
10 PwmOut    led1(LED1);
11 DigitalOut led2(LED2);
12
13 //-----
14 // Main
15 //-----
16 int main()
17 {
18     while(1)
19     {
20         for(float p = 0.0f; p < 1.0f; p += 0.01f)
21         {
22             led1 = p;
23             wait(0.1);
24         }
25         led2 = 1;
26         wait(0.3); // Wait 0.3s
27         led2 = 0;
28         wait(0.3); // Wait 0.3s
29         led2 = 1;
30         wait(0.3); // Wait 0.3s
31         led2 = 0;
32     }
33 }

```