



G-CAMP WORKSHOP

BUILD THE RIGHT THING
BUILD THING RIGHT
SHIP FAST

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5강_DigitalOut

- Disco L475 Pin map
- 새로운 프로그램 생성
- 프로그램 구조



5-1. DigitalOut

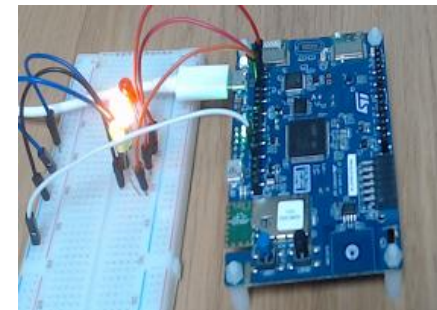
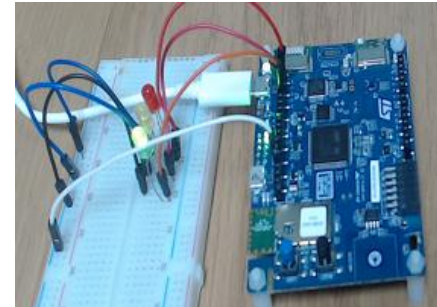
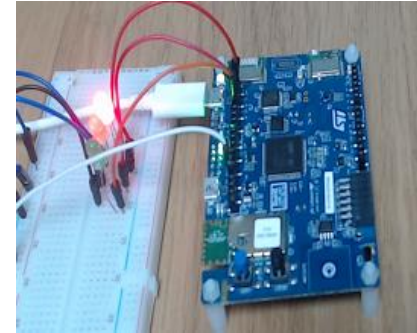
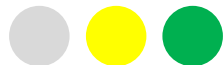
```
main.cpp X
1 #include "mbed.h"
2
3 DigitalOut led(LED1);
4
5 int main()
6 {
7     int i = 0;
8
9     while(true)
10    {
11        led.write(1);
12        wait(1);
13        printf("led status ---> %d\n", led.read());
14
15
16        led.write(0);
17        wait(2);
18        printf("led status ---> %d\n", led.read());
19
20        i += 3;
21        printf("application start second ---> %d\n", i);
22    }
23 }
```





5-2. 차량 신호등 만들기

```
main.cpp X
1 #include "mbed.h"
2
3 DigitalOut ledR(D2);
4 DigitalOut ledY(D3);
5 DigitalOut ledG(D4);
6
7
8 int main()
9 {
10     while(1)
11     {
12         ledR = 1;
13         ledY = 0;
14         ledG = 0;
15         wait(3);
16
17         ledR = 0;
18         ledY = 0;
19         ledG = 1;
20         wait(3);
21
22         ledR = 0;
23         ledY = 1;
24         ledG = 1;
25         wait(1);
26     }
27 }
28
29 }
```



LEDR ↔ D2
LEDY ↔ D3
LEDG ↔ D4