

과제 - 신호등 모듈 수정

```
static int status;
```

```
void setup()
```

```
{
```

```
    status = 0;
```

```
    pinMode(RED_LED, OUTPUT);
```

```
    pinMode(YELLOW_LED, OUTPUT);
```

```
    pinMode(GREEN_LED, OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
    digitalWrite(RED_LED, LOW);
```

```
    digitalWrite(YELLOW_LED, LOW);
```

```
    digitalWrite(GREEN_LED, LOW);
```

```
switch(status){
```

```
    case 0:
```

```
        status = 1;
```

```
        _____ BLANK 1 _____
```

```
        break;
```

```
    case 1:
```

```
        status = 2;
```

```
        _____ BLANK 2 _____
```

```
        break;
```

```
    case 2:
```

```
        status = 0;
```

```
        _____ BLANK 3 _____
```

```
        break;
```

```
    default:
```

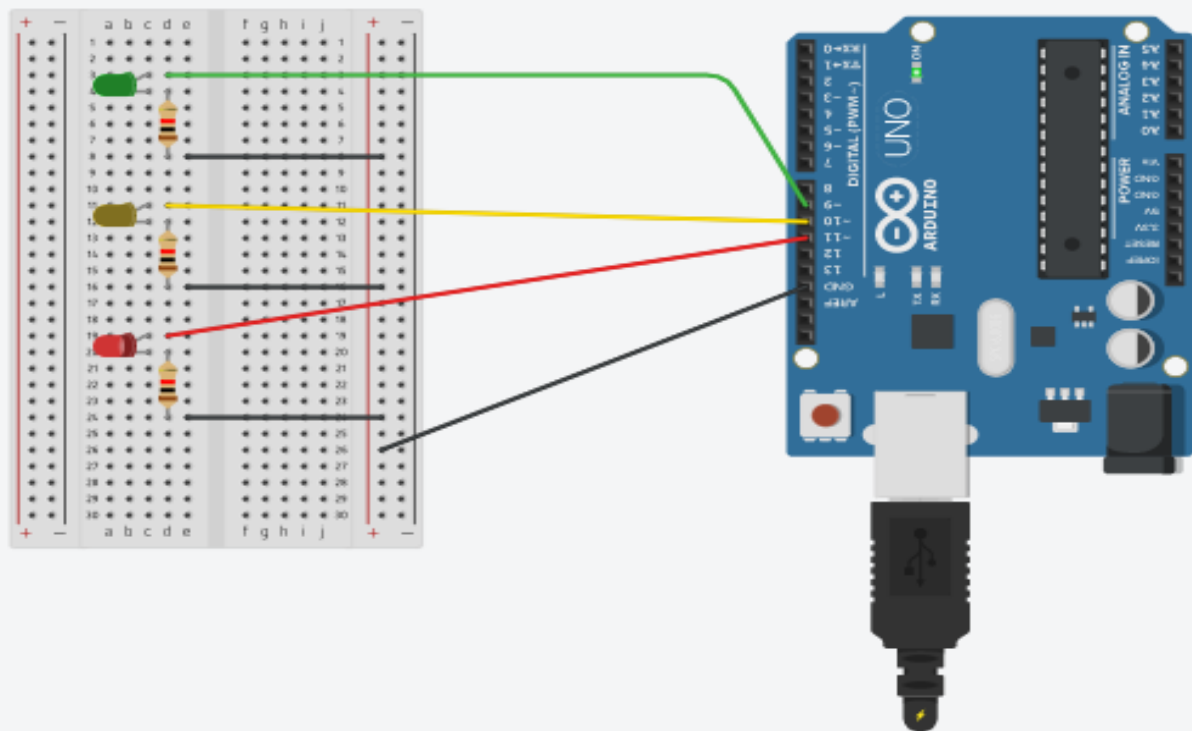
```
        break;
```

```
};
```

```
delay(1000);
```

```
}
```

과제 – 기존 코드의 동작과 같이 1초에 한 개씩
켜지도록 **BLANK1, 2, 3** 을 채워주세요



```

1  #define RED_LED 11
2  #define YELLOW_LED 10
3  #define GREEN_LED 9
4
5  static int status;
6
7
8  void setup()
9  {
10     status = 0;
11     pinMode(RED_LED, OUTPUT);
12     pinMode(YELLOW_LED, OUTPUT);
13     pinMode(GREEN_LED, OUTPUT);
14 }
15
16 void loop()
17 {
18     digitalWrite(RED_LED, LOW);
19     digitalWrite(YELLOW_LED, LOW);
20     digitalWrite(GREEN_LED, LOW);
21
22     switch(status) {
23         case 0:
24             status = 1;
25             digitalWrite(RED_LED, HIGH);
26             delay(1000);
27             digitalWrite(RED_LED, LOW);
28             break;
29         case 1:
30             status = 2;
31             digitalWrite(YELLOW_LED, HIGH);
32             delay(1000);
33             digitalWrite(YELLOW_LED, LOW);
34             break;
35         case 2:
36             status = 0;
37             digitalWrite(GREEN_LED, HIGH);
38             delay(1000);
39             digitalWrite(GREEN_LED, LOW);
40             break;
41         default:
42             break;
43     };
44     delay(1000);
45 }
46

```