

```
3 // Define how long each LED stays on
4 #define RED_DURATION      200ms
5 #define GREEN_DURATION    400ms
6 #define BLUE_DURATION     600ms
7 #define GAP_DELAY         50ms // Delay between LEDs
8
9 int main() {
10     // Create LED outputs with different names
11     DigitalOut red(LED1);
12     DigitalOut green(LED2);
13     DigitalOut blue(LED3);
14
15     while (true) {
16         // Red LED pattern
17         red.write(1);
18         ThisThread::sleep_for(RED_DURATION);
19         red.write(0);
20         ThisThread::sleep_for(GAP_DELAY);
21
22         // Green LED pattern
23         green.write(1);
24         ThisThread::sleep_for(GREEN_DURATION);
25         green.write(0);
26         ThisThread::sleep_for(GAP_DELAY);
27
28         // Blue LED pattern
29         blue.write(1);
30         ThisThread::sleep_for(BLUE_DURATION);
31         blue.write(0);
32         ThisThread::sleep_for(GAP_DELAY);
33     }
```