

Debugging Fun Blink2 (Solution)

Scenario: Cami wants the lights to alternate which one is ON every second. So light1 is ON and light 2 is OFF, then after a second light1 is OFF and light2 is ON. She wrote the following code:

Actual Buggy Code Behavior:

- wristband1 "on" for 1 second
- all "off" for 1 second
- wristband2 "on" for 1 second

Misconceptions: Sequence. There was an extra delay.

Solution:

```
loop() {  
    digitalWrite(wristband1, HIGH); //Turn the light on  
    digitalWrite(wristband2, LOW); //Turn the light off  
    delay(1000);  
    digitalWrite(wristband1, LOW); //Turn the light off  
    digitalWrite(wristband2, HIGH); //Turn the light on  
    delay(1000);  
}
```

Notes: Deleted one delay(). Optionally, could have left the highlighted digitalWrite at the end, but moved it to make it easier to read the behavior from the final code..