

Debugging Fun Blink2

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:

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

1. **Predict:** Looking at the code snippet above, what do you think the behavior might be?
2. **Test:** Discuss with another group or test out the code. What does the code actually do?
3. **Identify the bug:** Why do you think the code behaves this way instead of as intended?
4. **Revise:** How might you fix the code? Write your revised code or edit the code snippet at the top to fix the bug.
5. **Retest:** Test your solution and revise again if necessary.