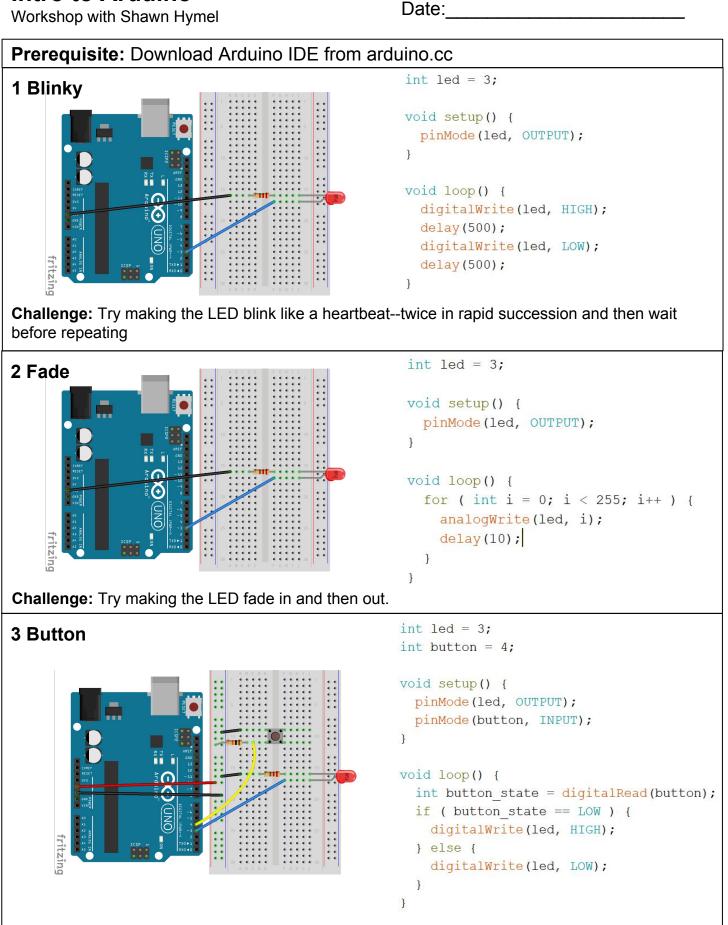
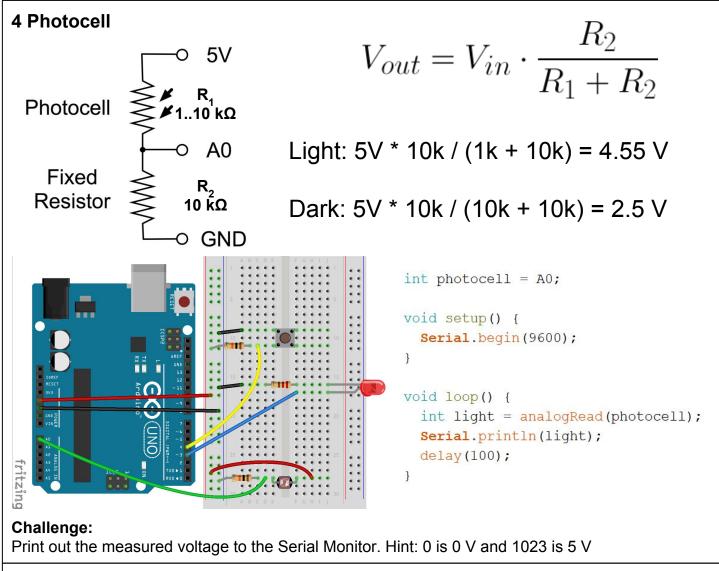
Intro to Arduino

Name:



Challenge: Have it so that a push-and-release of the button toggles the LED on or off.



5 Project

- Make a nightlight!
 - Pick a value as a threshold
 - Cover sensor: light comes on
- Challenge:
 - Make the nightlight continuous
 - The brightness of the LED is determined by the amount of ambient light
- Hardcore challenge:
 - If you did the toggle challenge, you might have noticed "missed" clicks due to "button bounce"
 - Debounce the button in software: write some code to fix this issue
- Secret bonus level:
 - Make something fun using the ultrasonic sensor (your choice!)
 - Read this tutorial on how to use it: https://bit.ly/2HCpmSb