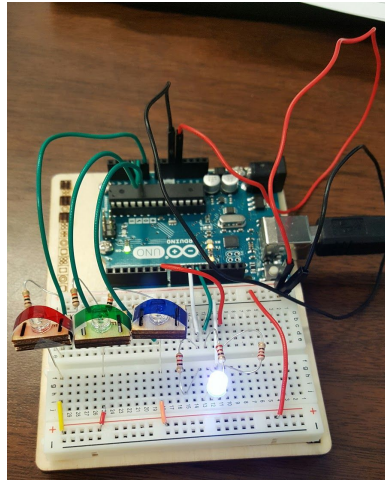


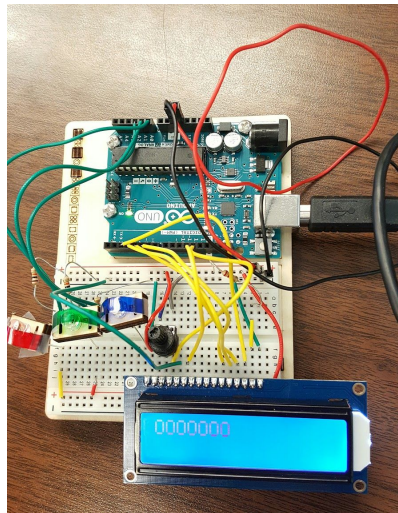
1. Project 4: Color Mixing Lamp (from Projects Book)

- Detects RGB values of light coming in and displays the result on a 4-pin LED



2. Custom modification on Color Mixing Lamp

- We combined the LCD display from Project 11("Crystal Ball") with the phototransistors from Project 4("Color Mixing Lamp") in order to display the name of the dominant color being detected
- Picture below has numerical values of color (taken before change to text)



3. ClickRacer Game (final project)

- Combined Project 4, Project 7("Keyboard Instrument), and Project 11("Crystal Ball") along with our custom ideas
- Made a two-player game where players click their respective buttons when the green light is on and lose points for clicking while red light is on
- This combined predesigned segments of code and wiring diagrams with our own ideas and own setup
- Also connected the two aspects of product development and user interface (Picture on next page)

