

First homework.

Task Requirements:

Use 3 different potentiometers to control the color of the RGB led(Red, Green, Blue). The control must be done with digital electronics(aka you must read the value of the potentiometer with Arduino, and write a mapped value to each of the pins connected to the led.

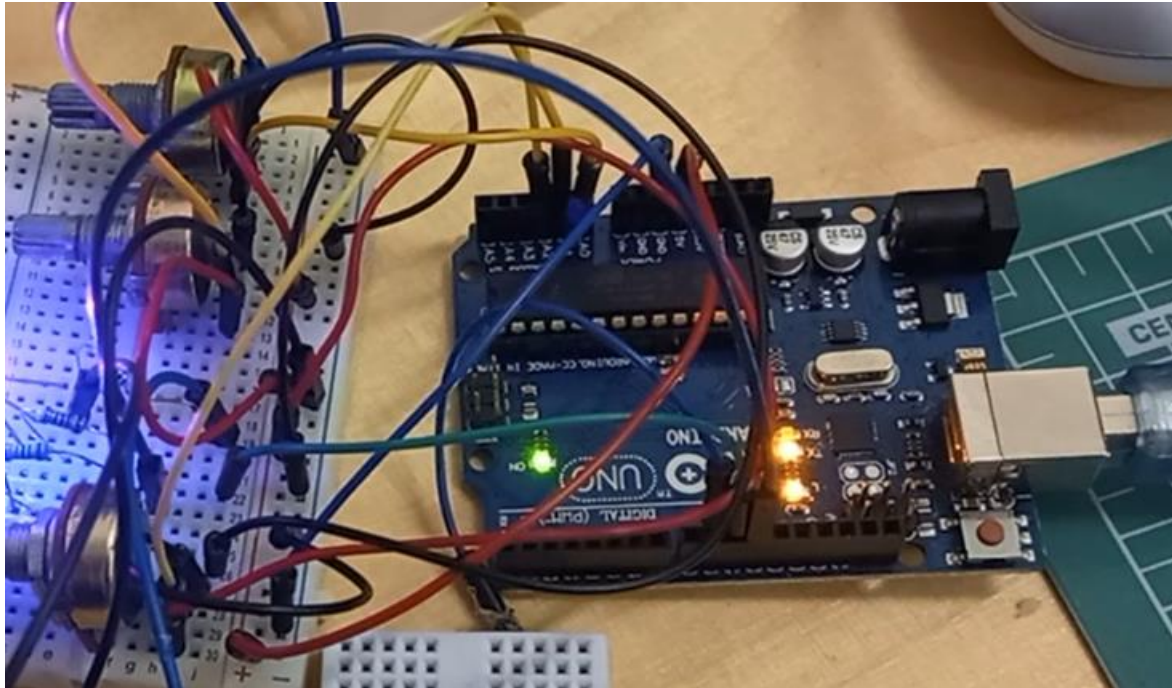
Components:

- One RGB Led
- Three potentiometers
- Resistors
- Wires
- Arduino Uno Board
- Breadboard

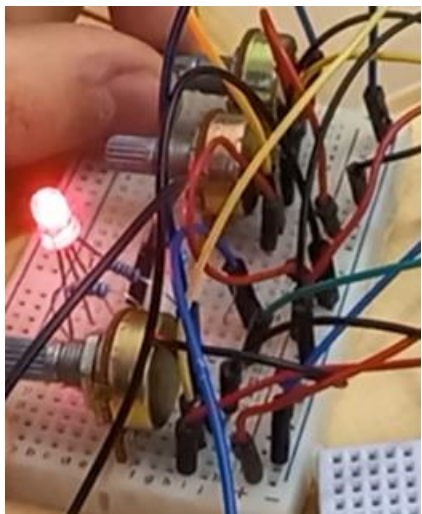
Pictures:



The Arduino Uno Board, Wires, Resistors, and the connection to my own computer.



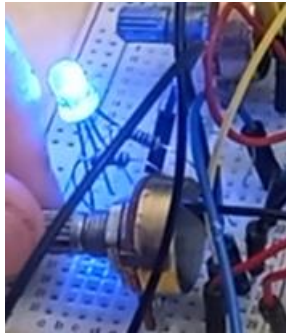
After the Arduino Uno Board connection, I attached 3 potentiometers to 3 different analog signals, and 3 ~pins to make a RGB connection



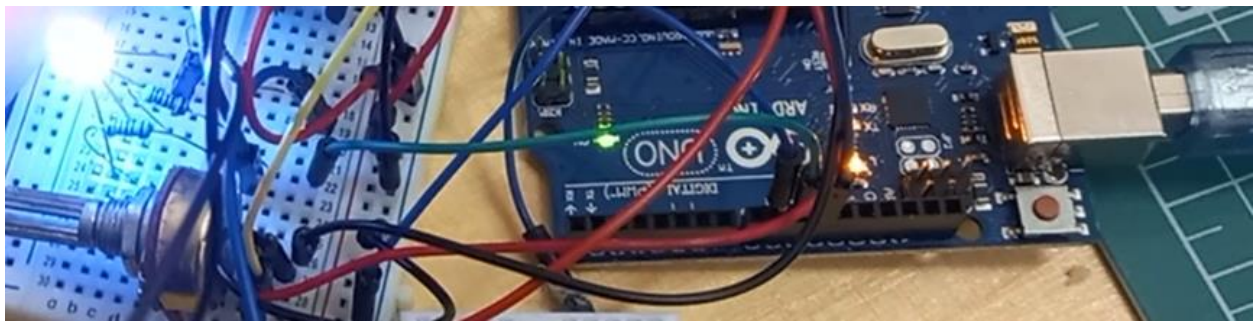
Red Light



Green Light



Blue Light



Simultaneous Light

Demo video for my first homework:

<https://youtu.be/tnK8BxJ770g>