**Assignment 3.2: Report**

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**YouTube Link:**

<https://www.youtube.com/watch?v=WcImJyG7v6E&list=UUr-JERdh35ekoTb3az14Q-A>

**Description:**

In this lab, we had to take a distance measurement from a Sharp IR sensor and map it to the color spectrum of an RGB LED. To do this, we created a mathematical mapping function that maps the measured distance into each color value (R, G, and B). These values were then sent to a PWM function that would light the LED accordingly.