**Assignment 3.1: Report**

Brandon Michelsen

**YouTube Links:**

<https://www.youtube.com/watch?v=VAempHOe6go>

<https://www.youtube.com/watch?v=6E-wc3NviHA>

<https://www.youtube.com/watch?v=zn9xAEzFQ2E>

**Description:**

In this lab, we learned how to interface an ATmega328 to analog sensors. We interfaced first to a potentiometer, which allowed us to dim an LED. Then, we interfaced with a temperature sensor (the TPM36), that allowed us to change the color of an RGB LED based on what temperature it was. Finally, we used a photo-resistor to control the dimness of an LED.