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CMPT 422

Questions:

1.
    a. The voltage is determined by using the equation: voltage = (sensorVal / 1024.0) * 5.0
    b. We need to do this conversion to go from the analogRead to a voltage we can use later.
2.
    a. The temperature is determined by using the equation: temp = (voltage - 0.5) * 100
    b. This conversion allows us to change the voltage into a temperature in degrees Celsius that humans can more easily interpret.
3.
    a. These pins are called "Pulse Width Modulation" pins or PWM.
    b. These pins pulse on a frequency. This lets us pass relative values to things connected to the pins.
    c. In our lab we use them to control the color of the LED by passing values (0-255) to the blue and red pins of the LED.