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CMPE 3434

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Project Proposal

For the final project in CMPE 3434 I would like to construct a temperature senor that outputs said integer to a digital display. The temperature sensor has many applications ranging from being used to monitor temperature in a certain setting like a lab or for various experiments where being aware of the slightest temperature change is crucial. For this project I will be using the beagle bone black, a temperature sensor and a device to display the values. I will also various wires and a bread board.

I believe this project meets the standards for complexity and would require the knowledge I have learned in the course to complete. I will construct a program to store the temperature values and convert to Celsius and Fahrenheit. I will also be configuring the display so that it can output the values at a certain interval.