

CPE 301 – Embedded Systems Design - Fall 2019

HOMEWORK No. 7 - DUE BEFORE 11:59 pm, November 8

Description of Purpose

The purpose of the assignment is to introduce us to LEDs in regard to seven segments. Furthermore, this assignment is teaching us how to tackle our lab project for this week as well as give us a general idea on how to program our Arduino board. Overall, the assignment is a basic guide to this week's lab.

1. Review Lab 01 for a reminder of cathode and anode in LEDs.
2. Watch the YOUTUBE tutorial about seven segment LEDs and how to display binary HEX digits using a hardware design. <https://www.youtube.com/watch?v=7zffjsXqATg>
3. Read Lab07 and compare the wiring you will do using the Arduino compared to the wiring used for the hardware solution in the video.