Prelab video**:

https://youtu.be/Xf80tPlYYd0

**After testing the prelab first time around I found out that the decimal point was not working. I emailed Marios (TA) and after some testing, He told me to use the red LED as a substitute for the decimal point:

"Hello Diego,

You are using the prelab code, right? If you are, try using a regular LED and connect it to the pin that controls the decimal point and check if it works. If it doesn't, it might be a wiring issue. If it does, then you are probably right in that it is broken. If it is broken, use the regular LED as a substitute for the decimal point and mention the problem and how I told you to use an LED in your pdf report so the graders know what is going on. Don't forget to use a resistor with the regular LED.

Sincerely,

Marios"

I would like to mention that I was able to buy some extra 7-display. If they get here on time tomorrow, I would use those for the demo videos, But in case they do not get here on time then the LED will be used. Thank you for your understanding.**

Exercise 1 video:

https://youtu.be/c9Ic3BuDfq8

Exercise 2 video:

https://youtu.be/0fcspt45J3U

Exercise 3 video**:

https://youtu.be/emH5OPqKPiQ

Couldn't get the up and down implementation that increases and decreases speed.