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# Introduction and objectives

# Flowcharts describing the system design and processes

# Detailed implementation

Describe the detailed implementation steps, especially indicate and explain your essential steps

# Enhancement

If you have implemented any enhancement, give a detailed description. You might consider including several photos of your working board at some special steps. This will help to distinguish your system and report from others.

7 Segment Inverting

# Significant problems encountered and solutions proposed

What did you learn? What are the significant problems you encountered and how did you solve them in this assignment? If your code did not work in the lab, explain why.

Green RGB conflicts with OLED, PIO1\_10, Port 2 Pin one used by RGB\_GREEN and OLED

# Issues or suggestions

These feedbacks, whether positive or negative, will not affect your marks in any way, but will make the report more complete.

As this is the first hardware programming project we did on LPC, there were many times when we got stuck, baffled by lines of codes that seems to work but did not. Fortunately, we were able to readily consult the various teachers, lab staff, and graduate assistances who are not only very knowledgeable, spotting our errors instantly, but also extremely patient when explaining the concepts to us. And we are very grateful for you all!

# Conclusion