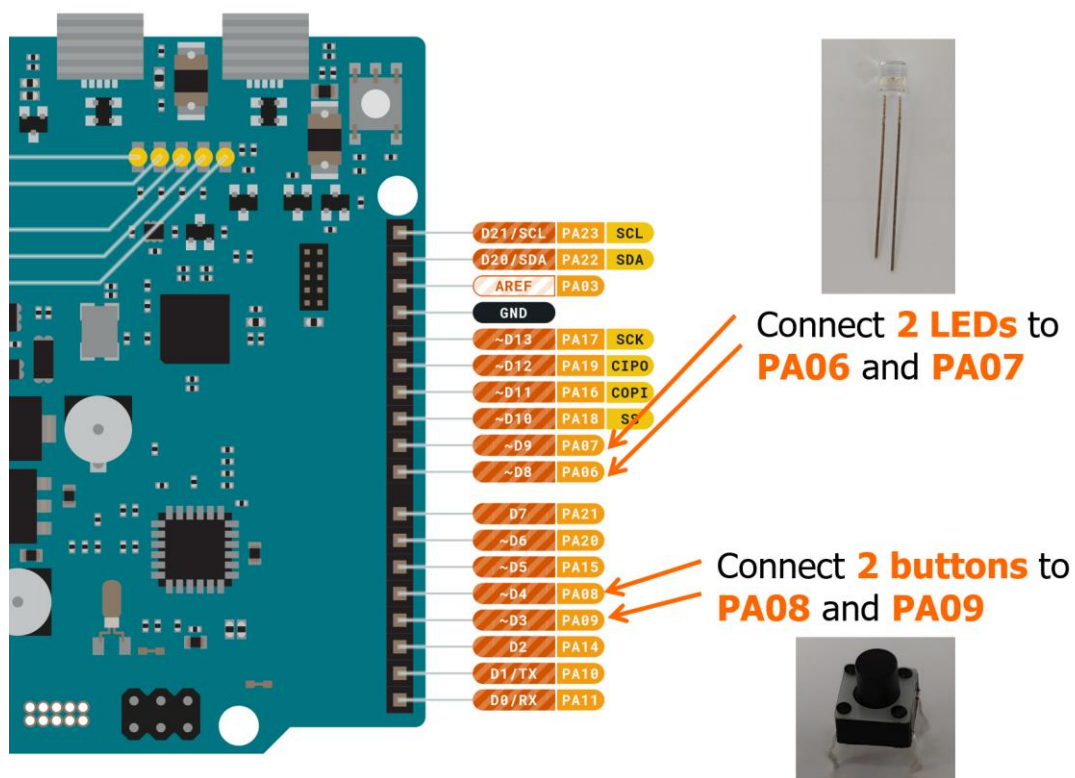# COSE421 Embedded Systems

Assignment #3

No late turn-in accepted

Write two programs: One in Thumb assembly and the other in C language. The function of the two programs is the same: Turn on or turn off LEDs depending on the button inputs. Use 2 buttons and 2 LEDs, and connect them as shown below. Each LED should be controlled by one button.

What and How to submit:

1. Upload your assembly & C souce code to Blackboard.
2. Upload video clip (3-min?) to YouTube and provide the link to Blackboard. Your video clip should have **at least** the following contents:
   - Understandable explanation of the hardware connections and programs

Note: This is an individual assignment. You are welcome to discuss, but DO NOT COPY solution. If you are found to copy a solution from others or slightly modify the solution from others, both of you will be given zero credits.