**Lab 4 Grade Guideline (25 points)**

Lab Results (20 points)
- Copy of the code used to implement steps 1 – 4 of the laboratory procedure, that is, the code used to detect the button pressed on the keypad and print the corresponding character to the terminal screen. (5 points)
- Video or instructor inspection of a user pressing ALL the keypad buttons and the corresponding buttons being displayed in the terminal screen. (5 points)
- Copy of the code used to implement step 5 of the laboratory procedure, that is, the code to detect pin number sequence "2020#". (5 points)
- Video or instructor inspection of a user pressing the correct pin sequence and LED1 turning on in response, followed by the user pressing '*' and LED1 turning off in response. (5 points)

Discussion

1) What are the 4 input pin modes of a DigitalIn object? (2 points)

2) Describe the two methods for setting the value of a DigitalOut object. (1 point)

3) Describe how the code is able to detect individual keys when in a 4x4 matrix. (2 points)

**No formal lab report is needed for Lab 4.**