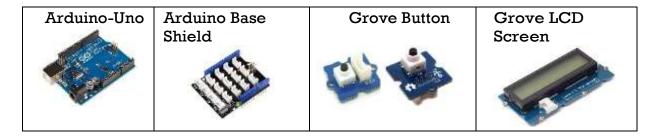
CMPE 453, Section-2

Lab-3

BUTTON CONTROLLED 12C DATA TRANSFER

A- In this LAB, you will use



- I. Connect Arduino base shield to Arduino Uno.
- II. Grove Button should be connected to any digital interface of base shield.
- III. Grove LCD Screen communicates with Arduino via I2C.

Useful information:

https://wiki.seeedstudio.com/GroveLCD_RGB_Backlight/

https://wiki.seeedstudio.com/Grove-Button/

- B- Program the microcontroller by using C programming on Arduino IDE. When your program runs, it should do the following task.
 - I. At the beginning, "Hello" message should be displayed on LCD Screen.
 - II. Number of button presses should be displayed on LCD display. If there exists 5 presses in 3 seconds, the number on LCD display should be set to 0.