

# ECGR 4101/5101 - Lecture 20 Extra Notes

(1)

- 1 \* Receive 1 ~~char~~ char via RS232 (Polling)  
Put each char you receive on LCD
- 2 \* ISR → Receive 1 char via RS232  
Using ISR, then put char on LCD  
ISR  
Main function → display
- 3 \* use ISR, receive & put in a buffer  
ISR → 1 char at a time  
wait for 6 chars  
then print on LCD
- 4 \* Add ! in ISR (display in ISR)
- 5 \* ~~test~~ Send ISR queue, fill with a string (code exists in notes)
- 6 \* Combine both Send a string (ends with a !), transmit same string back to the PC

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What is left?

②

- 7\* parsing string for valid strings ←
- 8\* Turning on LEDs ←
- 9\* creating the correct string to  
send back to PC ←
- 10\* Tie all together