DUPLEX

3 Threads
- Foreground Thread (Main)
- SysTick Thread
- ADC Sample Thread

FIFO - gets(2)
- Calls LCD.Out
- Send MSG

1/2 Full
- UART Rx
- Half Duplex

Read 8 bytes
- Put them FIFO (slw)
3 threads:
- Foreground thread
  - Main thread
  - Calls LCD_Draw
  - FIFO reads
- SysTick thread
  - ADC sample
- UART Rx thread
  - Read 8 bytes
  - Put them in FIFO

Half Duplex

1/2 full

Simplex
Debug options

1. Your code against TA solution
   \[\text{ST} \rightarrow \text{TA} \quad \text{STR} \leftrightarrow \text{TA}\]
   \[\text{SR} \leftarrow \text{TA}\]

2. Loopback
   \[\text{S} \leftrightarrow \text{S}\]

3. ML \rightarrow \text{PC} \rightarrow \text{TEXAS Display}

4. ML \rightarrow \text{Oscilloscope} \rightarrow \text{UART}