Notes:

Use the blue double arrow in waveforms to restart debugger at top

* Way faster than rerunning debugger

Place breakpoints before first Start() and after last Idle()

* to capture single byte read, polling, and then write waveforms

Waveform settings:

* Add ‘I2C’ signal
  + make sure to plug dio0 to SCL2 and dio1 to SDA2 and ground on same pin set
  + Tells us what’s going on
* Set ‘Trigger’ to Normal
  + Only captures a single iteration then stops
* Select ‘protocol’ as I2C

Lab:

* Memory upper bounds error when reading
* Had to extend max number of writes from 100 to 1000
* Last character being cut off sometimes when output to LCD
* Page gaps throwing error everytime crossed
  + Max memory bounds error
  + Problem with setting page\_number at the start
  + 0x00C0 is 0b0000 0000 1100 0000
  + Right shift is >> not >
* Ended up having to shift upper byte to lower byte in order to send
  + And compare to decimal
* Paper symbol with green arrow = debug
* Throwing array too small error
  + When writing 1024 bytes
  + Says that the writing data is NULL?
  + Trying commenting out both read and write array size error checking
    - Still failed
* Had to stop incrementing stored value when filling array
  + Somehow resulted in a NULL value in one of the entries
* Erroring when try to write maximum number of bytes
  + Max number of pages set to 216, should be 512
    - Didn’t fix problem
  + Changed from comparing if past max page number to comparing total number of bytes written
    - Max bytes is 2^15
    - Worked
  + Must have been a problem when converting mem addy to page number