demo 09 - Circular buffer (long buffer) - two versions: From Lecture 03: 1) buffer length = delay in samples buffer uses one index New in Lecture 04: 2) buffer length > delay in samples buffer uses two indices one index for reading, one index for writing useful when delay is time-varying \_\_\_\_\_\_ demo 10 - Vibrato Vibrato - play\_vibrato\_simple.py - time-varyring delay - non-recursive - no interpolation - read wave file - save to wave file, write each block to wave file... - with interpolation - more effects: flanger, chorus, etc \_\_\_\_\_ demo 11 - Blocking - amplitude-modulation (AM) to change voice - reads wave file - three versions 1) no blocking (one sample at a time) 2) reads and writes signal values in blocks (not just one sample) - transient artifacts due to inter-block discontinuity 2) corrected block version \_\_\_\_\_\_ demo 12 - audio plotting

\_\_\_\_\_