Notes re: PD (and other things) by Fred Wolflink for Eprojects SP23
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Rafael Hernandez has an excellent series of Pd tutorials on his Youtube channel:
`https://www.youtube.com/watch?v=rtgGol-I4gA&list=PL281271BFA4DBA5F3`

Regarding Rafael Hernandez's videos, here are my suggestions:

 - skip: 23-26

 - 5 & 12, and others using 'noteout':
   - macOS Catalina (10.15): see below
   - SimpleSynth still works for anything below that (notahat.com/simplesynth)
   - Windows 10, under the MIDI setup (Media --> MIDI settings...) choose 'Microsoft GS Wavetable Synth'
     This is the basic set of standard MIDI instruments using samples from ancient times
     (soundprogramming.net/file-formats/general-midi-instrument-list)
     or people can download sforzando, some sound files, and also a virtual MIDI application:
       (loopMIDI from Tobias Erichsen)

 - 7, 10 need ReacTIVision and TUIO tools

 - 10 skip TUIO example - or download TUIO framework & ReactIVision TUIO Simulator

Note: I added a library (markex) to make sure that the other random number (randomF and tripleRandtools in Tutorial 8 work.

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MIDI Synthesizer
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Pd cannot directly access the built-in Quicktime sound bank (AU DLS Synth) in macOSX. On macOS Cataline (10.15) and above, you need to install a 64-bit MIDI synthesizer, as the 32-bit tried and true SimpleSynth no longer works.

One option is to install Sforzando, a free VST and MIDI synthesizer. Another is the free version of Native Instrument's Kontakt Player. These create a MIDI application that can be used from Pd's noteout object. They also install VST's which can be accessed by adding the "vstplugin~" external via Pd's Help Menu under Find Externals. You can also use Apple's Garageband or other applications such as Logic or Live.

Windows users may also need to install a MIDI manager (also called a "virtual MIDI application" such as LoopMIDI:

   www.tobias-erichsen.de/software/loopmidi.html

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get sforzando and sound banks
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 help getting started:

   http://www.donyaquick.com/working-with-midi-on-mac-os-x
   http://donyaquick.com/midi-on-windows/

 downloads:
   https://www.plogue.com/products/sforzando.html
   https://www.plogue.com/downloads.html#sforzando

 more sounds:
   https://www.plogue.com/products/sforzando-banks.html

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ReacTIVision
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ReacTIVision, TUIO & ReacTIVision Simulator
https://sourceforge.net/projects/reactivision/files/TUIO%201.0/TUIO-Clients%201.4/TUIO_Simulator-1.4.zip
https://sourceforge.net/projects/reactivision/