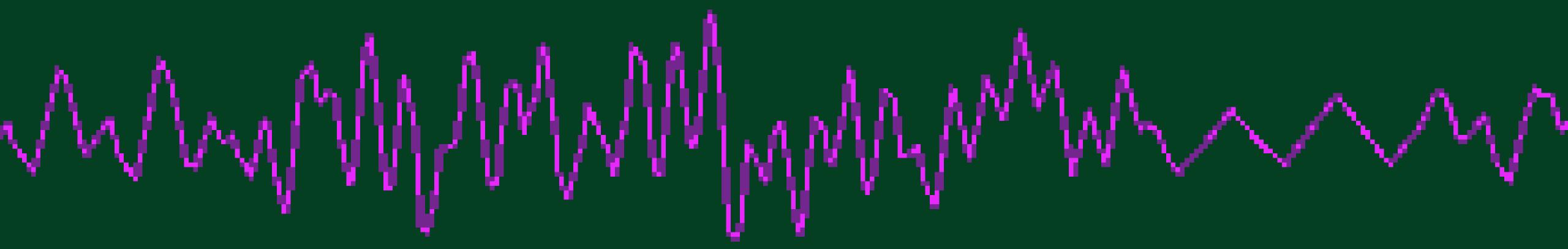
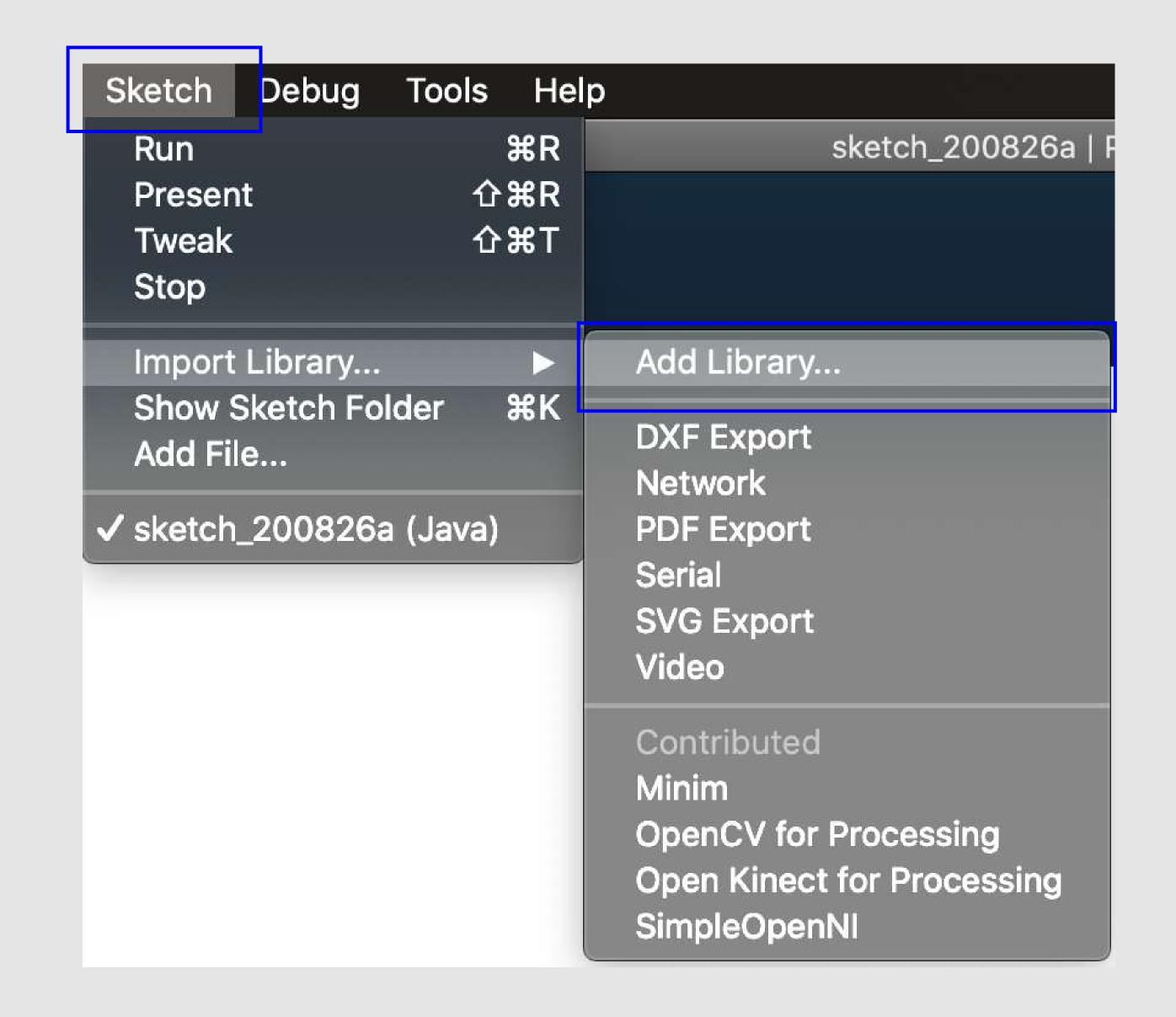


Minim & Sound



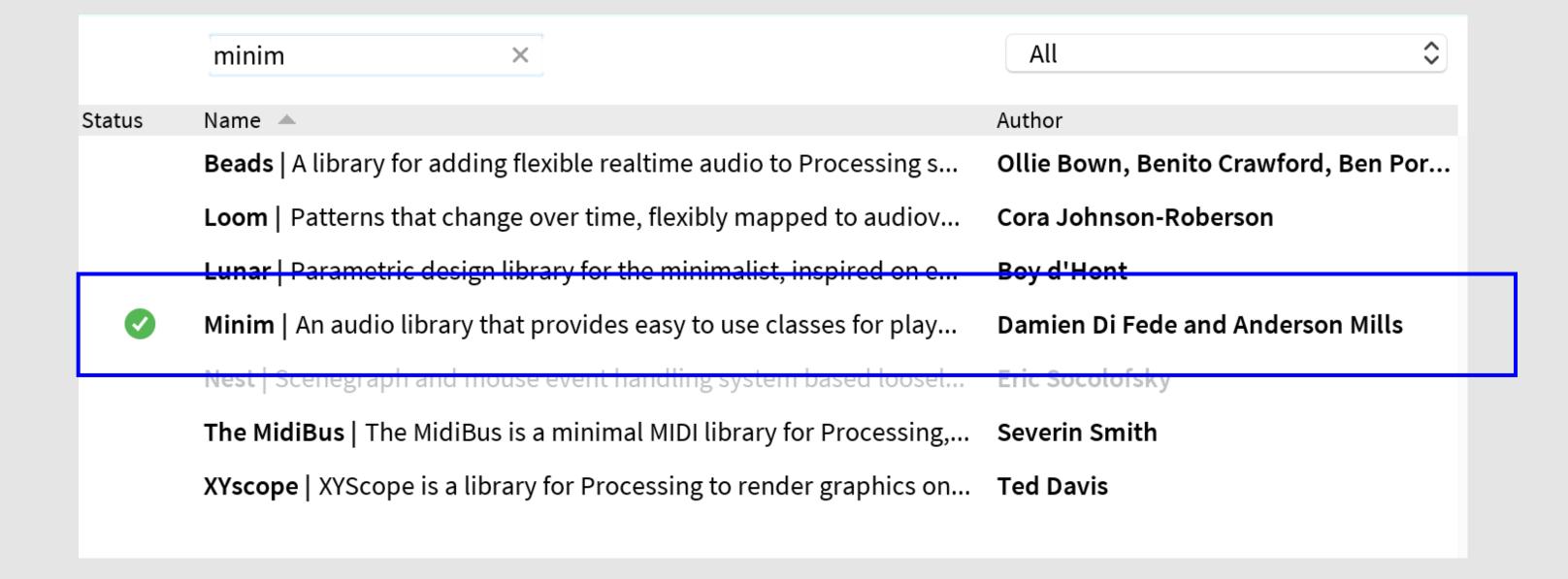
#### **Downloading Library**

- 1. Open Processing
- 2. Go to Sketch > Import Library... > Add Library...



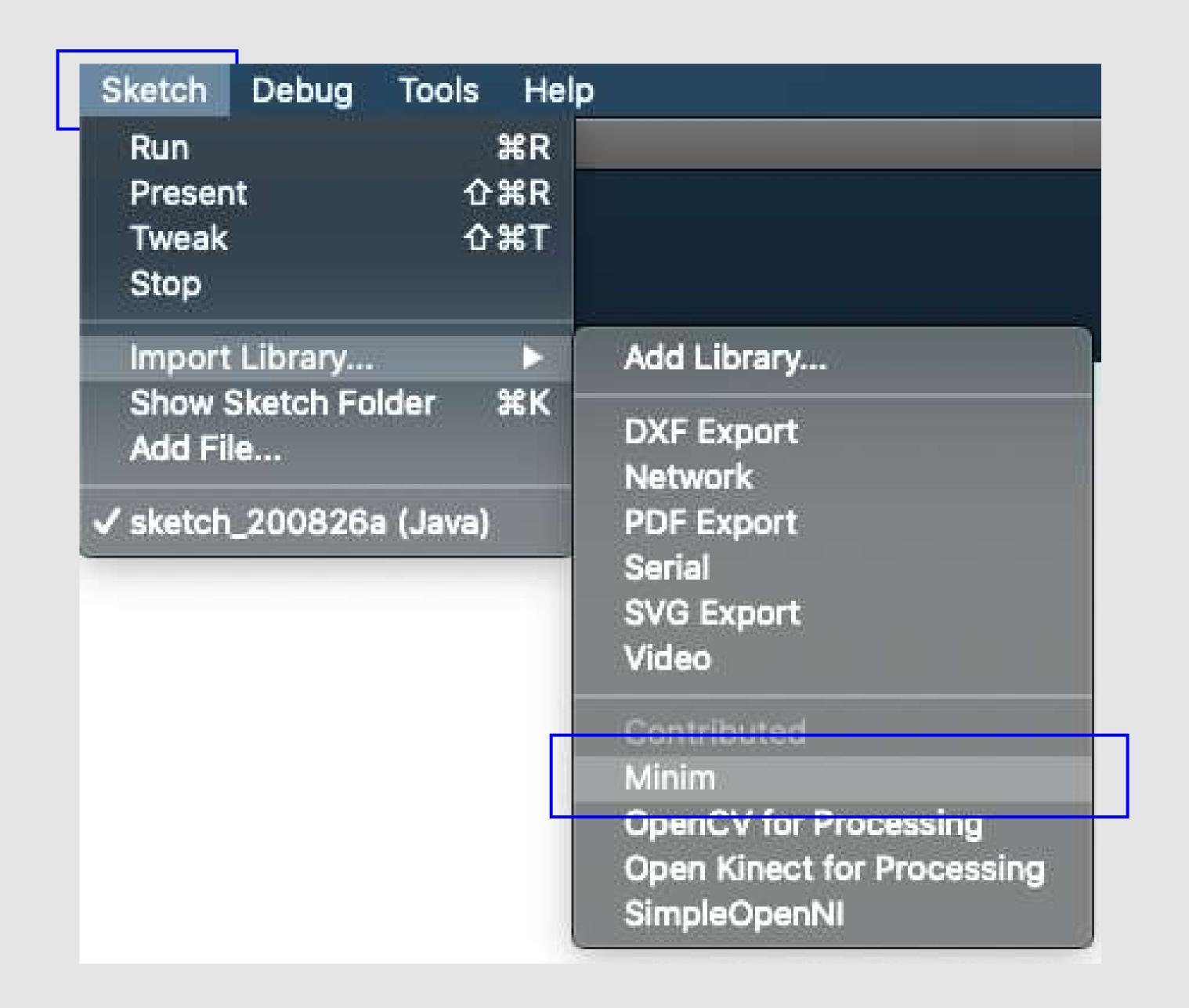
#### Downloading Library

- 3. Search for "minim" and install the library
- 4. Research your computer



## **Importing Library**

1. Go to Sketch > Import Library... > Minim



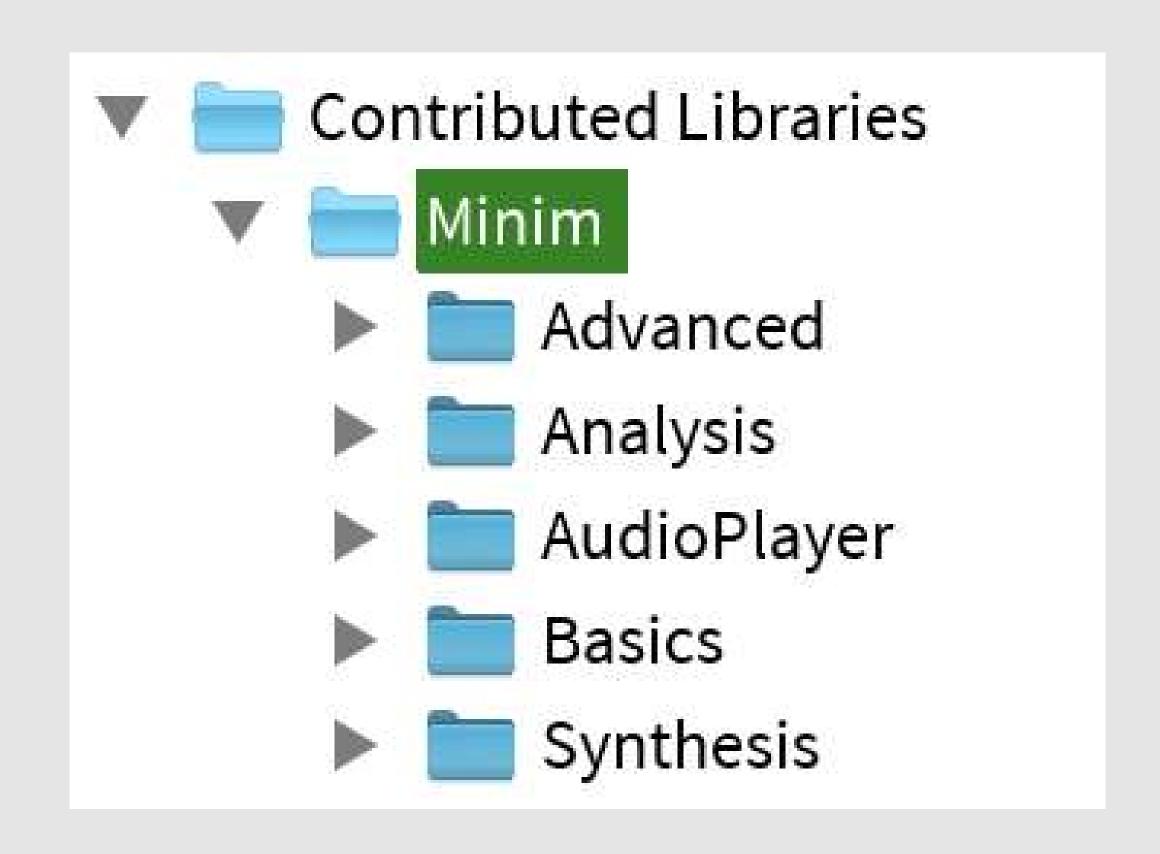
## **Importing Library**

2. The libraries will be imported.

```
sketch_200826a
import ddf.minim.*;
import ddf.minim.analysis.*;
import ddf.minim.effects.*;
import ddf.minim.signals.*;
import ddf.minim.spi.*;
import ddf.minim.ugens.*;
```

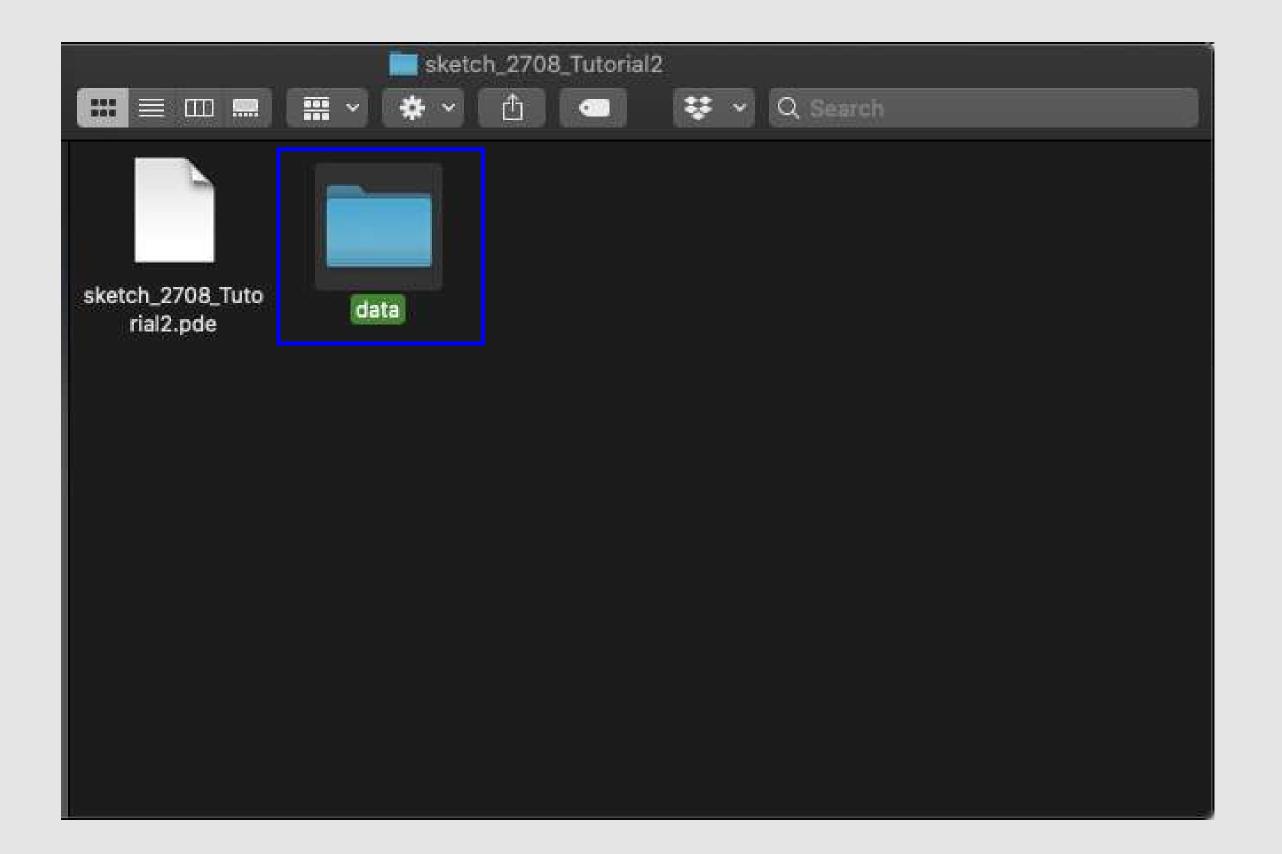
## **Accessing Library**

Under File > Examples... > Contributed Libraries, you will find the Minim examples, which will be good for you to learn.



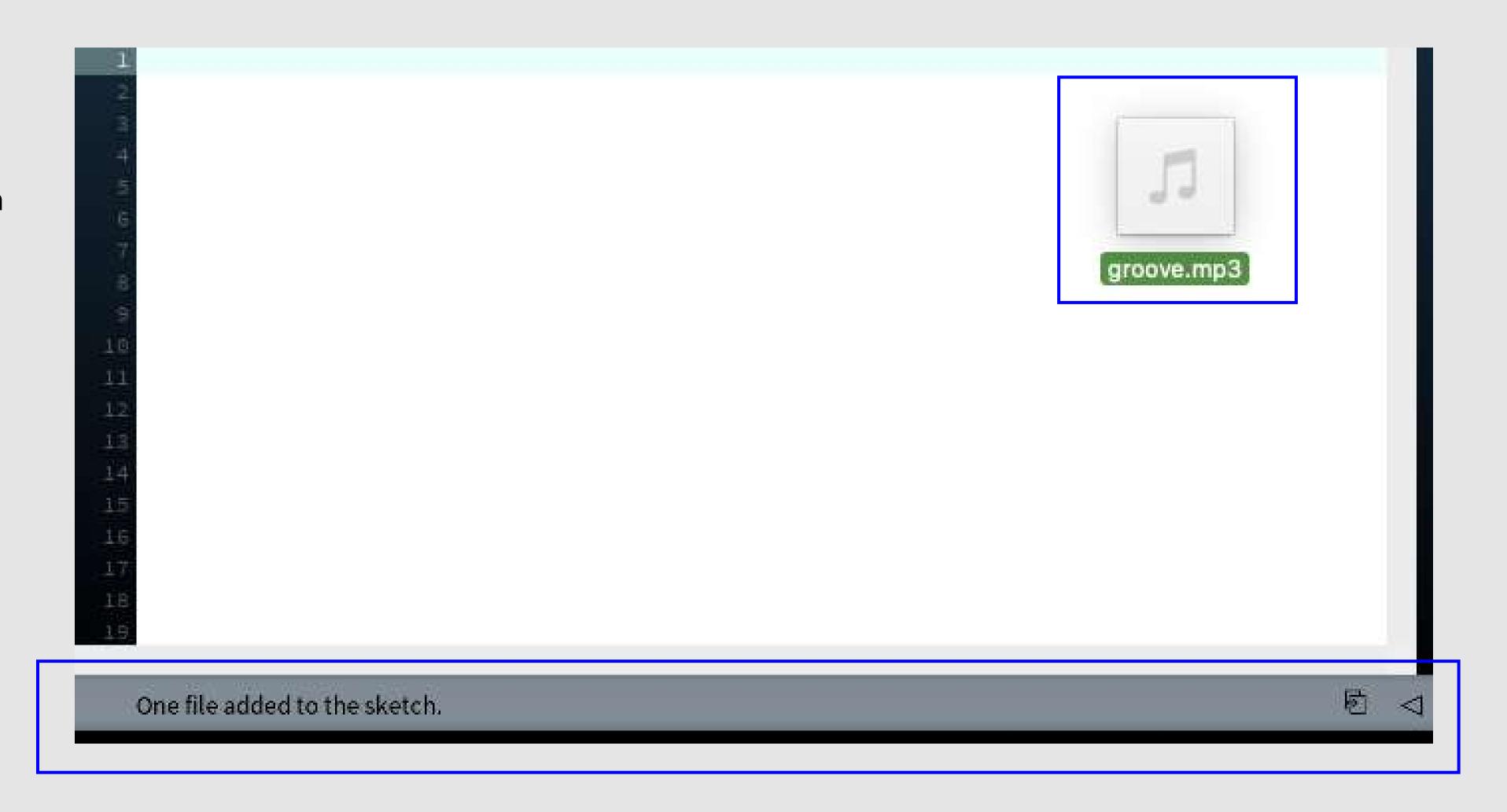
## Inserting File

- 1. Save your Processing sketch. This will create a folder
- 2. Create a folder called "data" in the sketch folder
- 3. Drop your sound file inside (this applies for images and videos too!)



## Inserting File

- 1. Locate your file
- 2. Drag and drop into the sketch



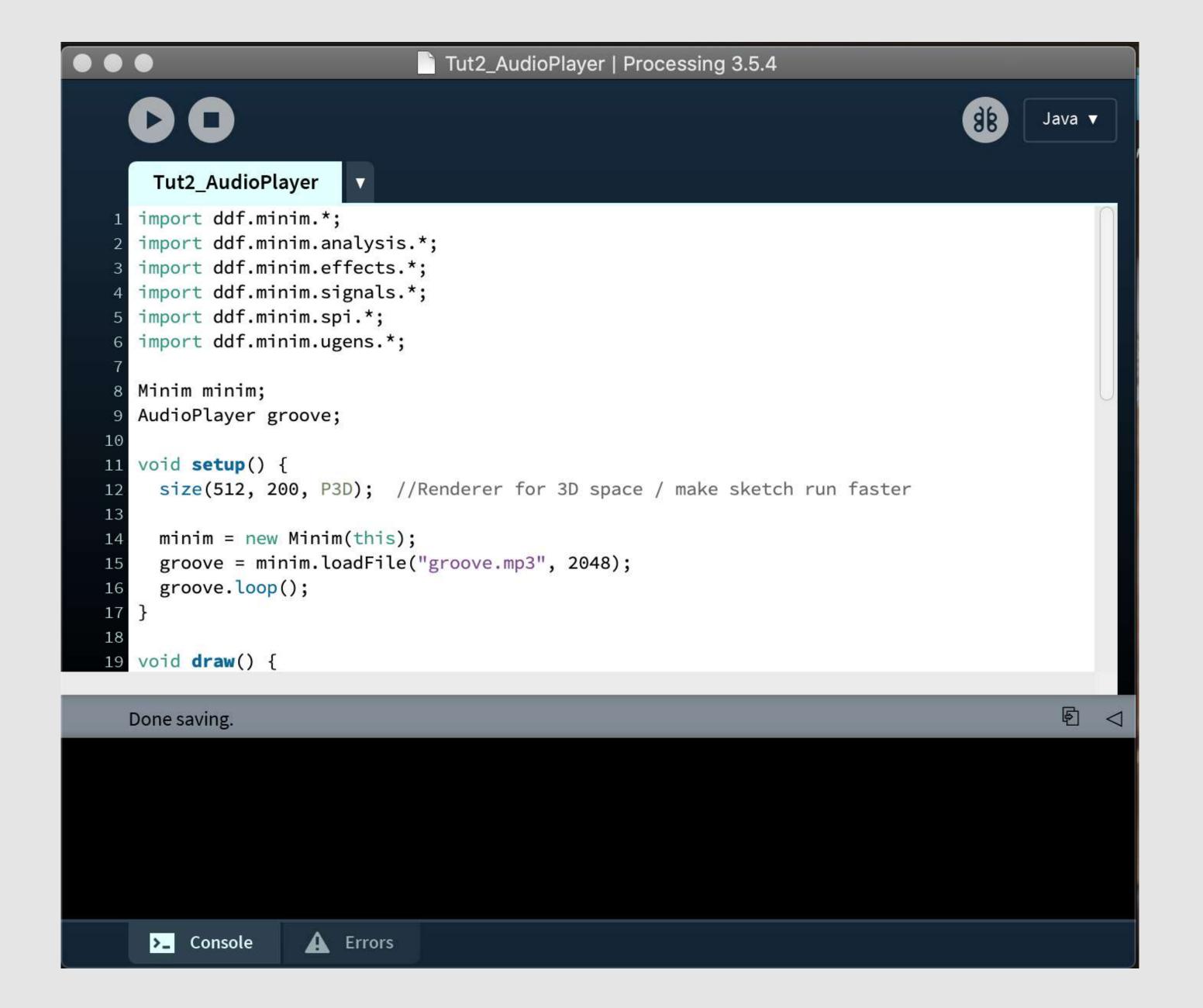
I've prepared a file for you all OSS > Syllabus > Workstudy

## Minim: AudioPlayer

Open Tut2\_AudioPlayer

#### Main takeaways:

- loadFile
- loop
- -skip
- play
- pause
- keyPressed
- if / else

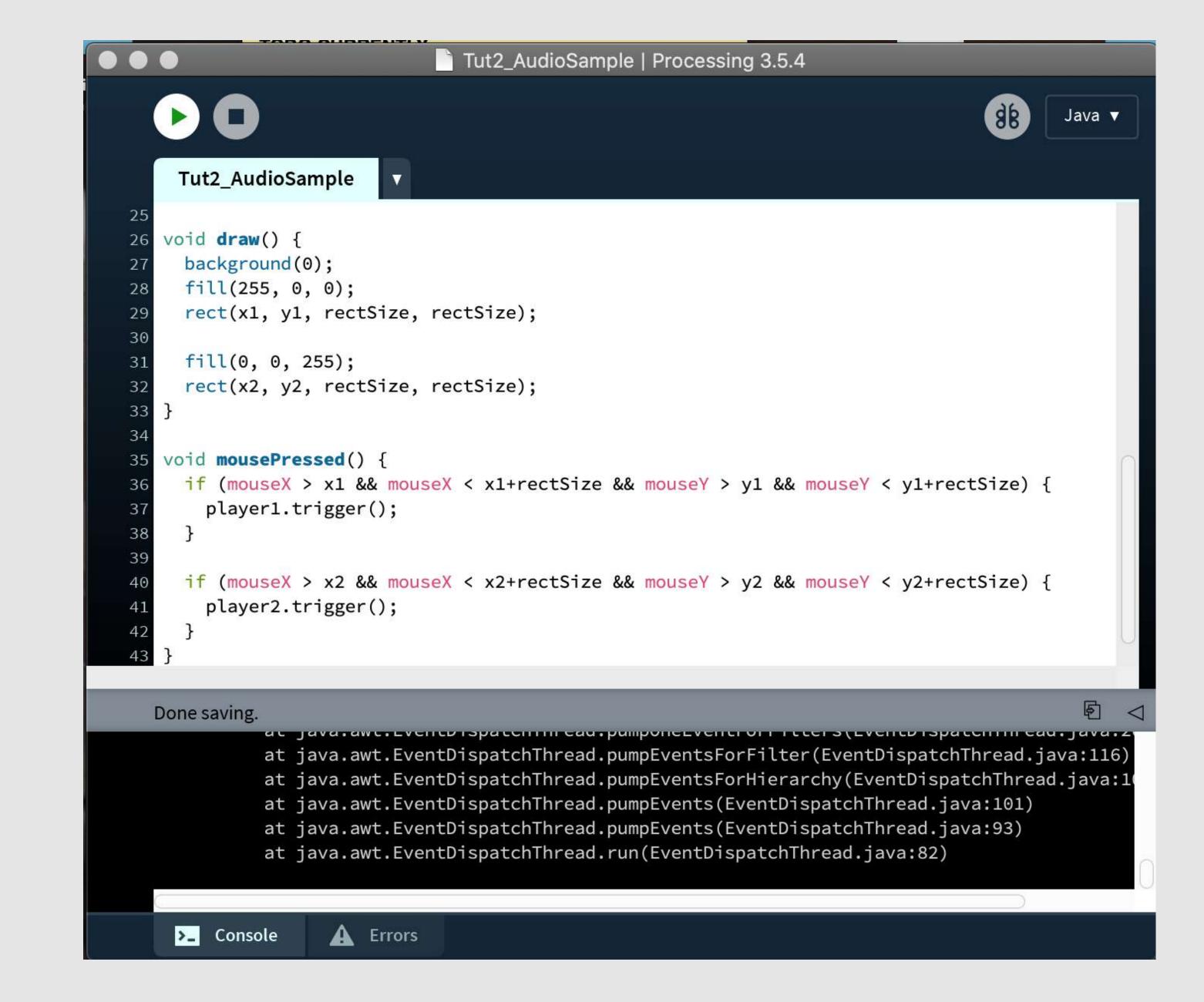


## Minim: Audio Sample

Open Tut2\_AudioSample

Main takeaways:

- loadSample
- Softcoding
- mousePressed



## Let's try some examples

Basics > TriggerASample Analysis > SoundSpectrum Advanced > DrumMachine

#### Resources

#### Sound with Minim by John Park

https://www.youtube.com/watch?v=LcX-360xgZgg

#### Minim reference link

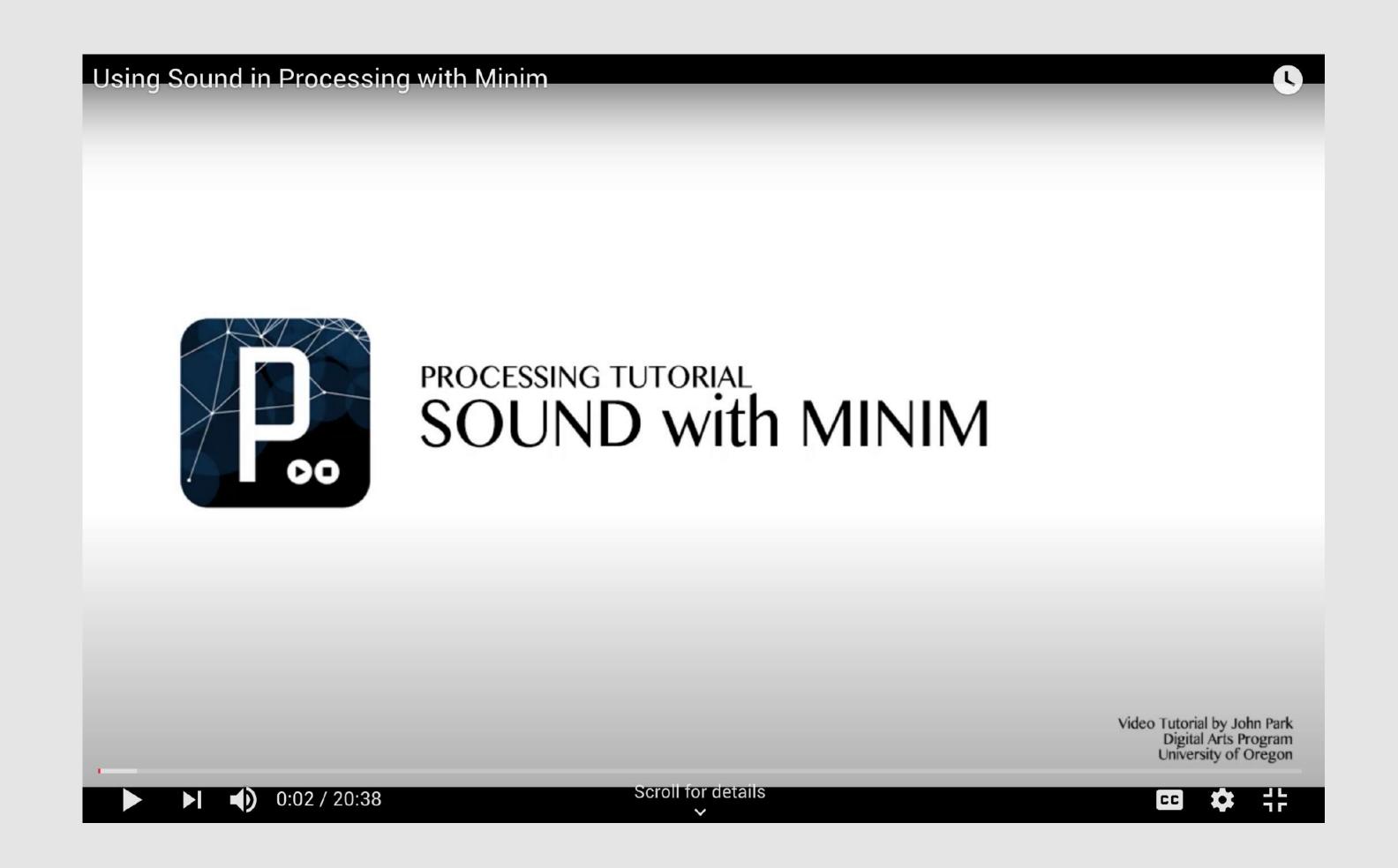
http://code.compartmental.net/minim/in-dex.html

#### **Processing Sound references**

https://processing.org/reference/libraries/sound/index.html

#### Do something fancy: Audio Visualiser

https://www.youtube.com/watch?v=XS62cBK9E7w



Next week: Videos & Animations

# Thanks!

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