

creative coding with python and processing
//cc.fest.2021

* who has used (java) processing?

- * who has used (java) processing?

- * who has used p5.js?

- * who has used (java) processing?
- * who has used p5.js?
- * who has used python?

setup

* github.com/tabreturn/processing.py-cc-fest

* [with a python cc-test](#)

* [tabreturn.com/cc](#)

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73061bc 4 hours ago

[6 commits](#)[README.md](#)

- add book discount link

4 hours ago

README.md

CC Fest 2021 Resources

Resources for my Virtual CC Fest 2021 session (Creative Coding with Python and Processing)

Session Resources

1 - Start here: <https://editor.computiful.org/tabreturn/sketches/V6gvX-LN8>

I'll be adding links, code, slides, and more soon ...

About

Resources for my Virtual CC Fest session (Creative Coding with Python and Processing)

[Readme](#)

Releases

No releases published

Packages

No packages published

processing 'ecosystem'

Processing

p5.js

Processing.py

Processing for Android

Processing for Pi

Processing

Cover

Download

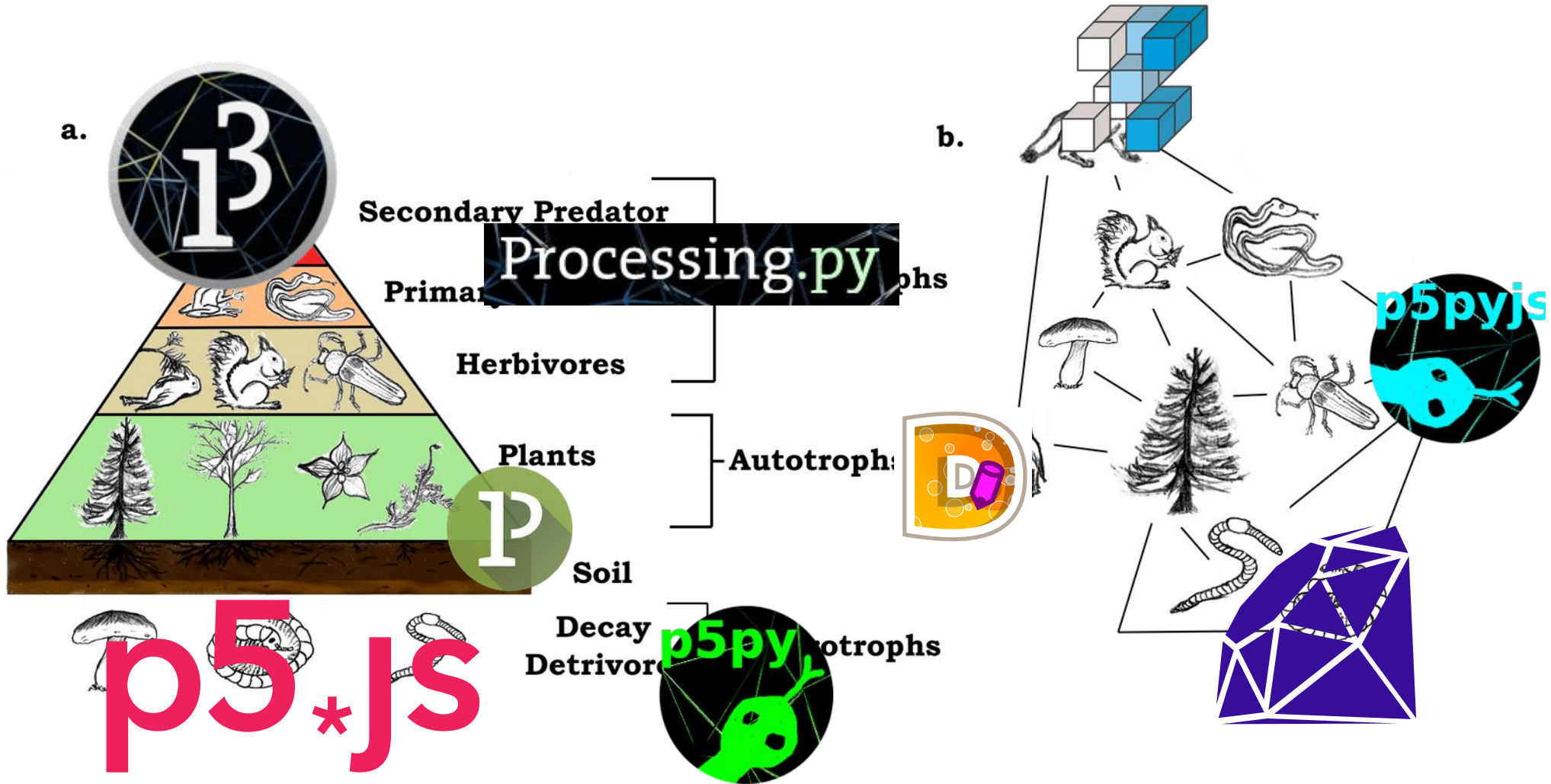
Donate

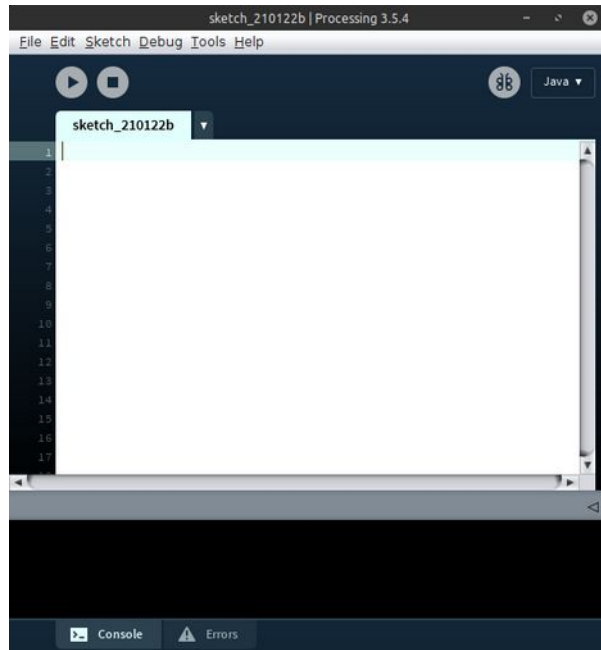
Reference

Libraries

Tools

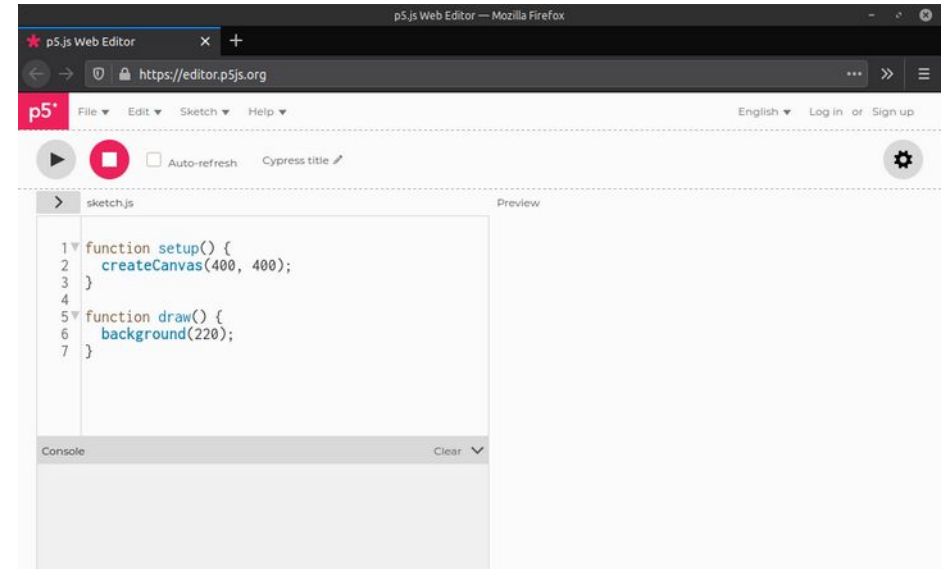
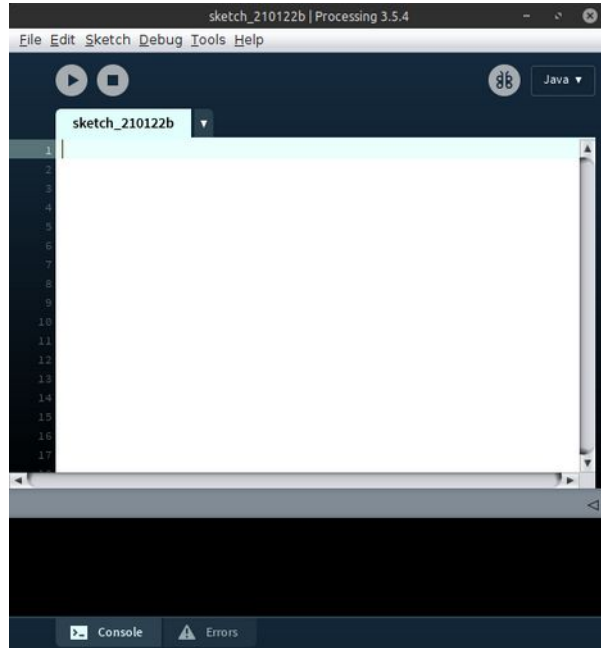


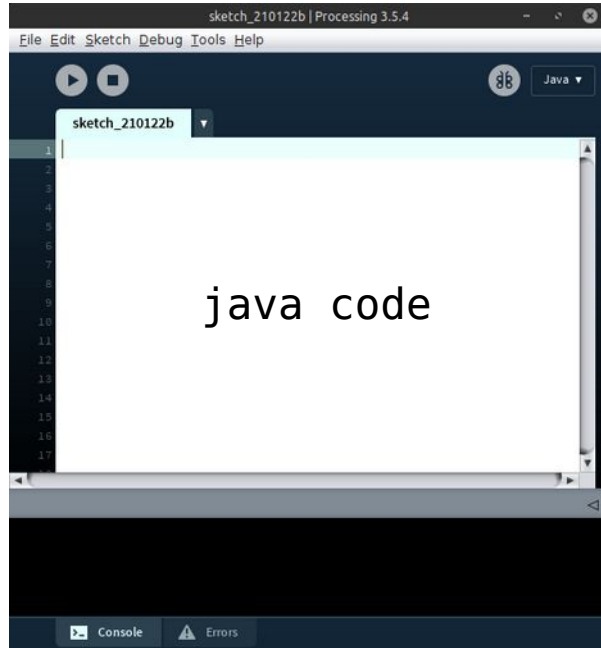




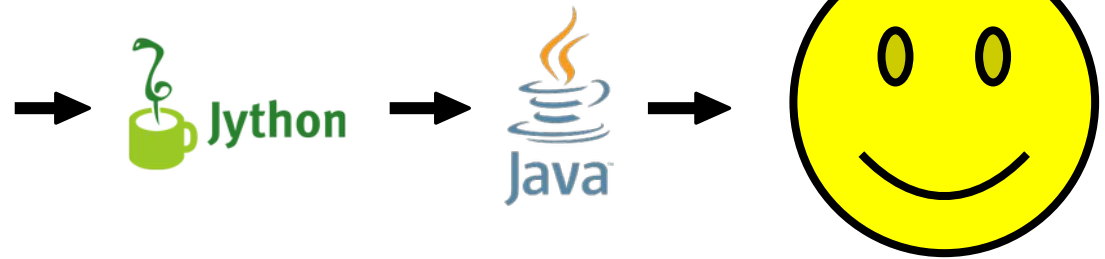
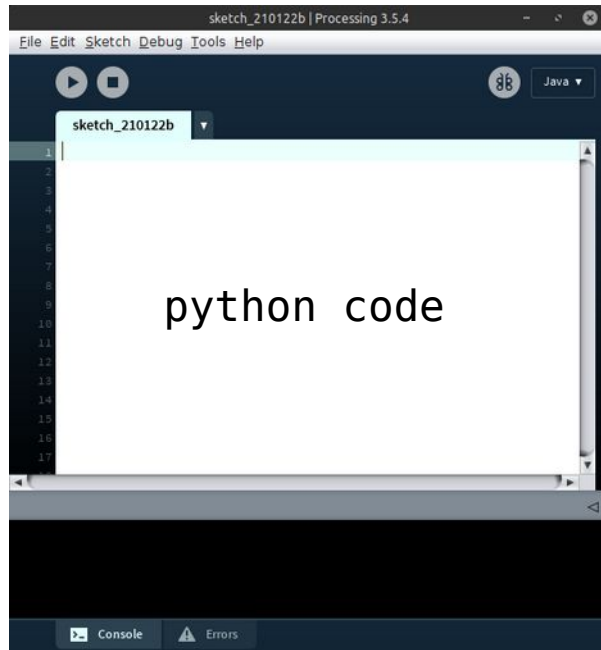


p5*.Js





Processing.py



processing.py == python mode for processing

jython

- * jython is not cpython (reference implementation)
- * this has limitations, hence "python mode for processing"
- * see resources for python mode install instructions

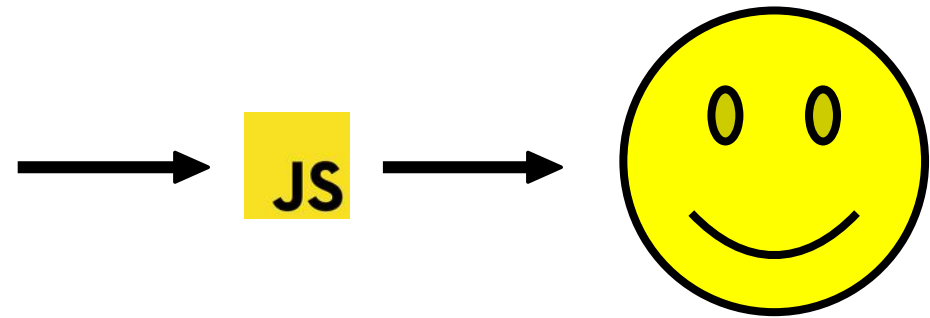
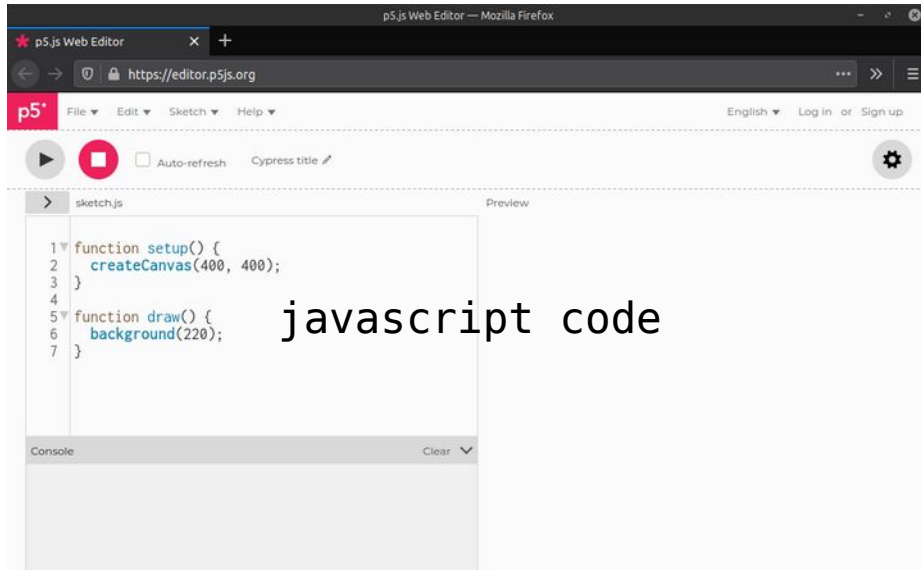
jython

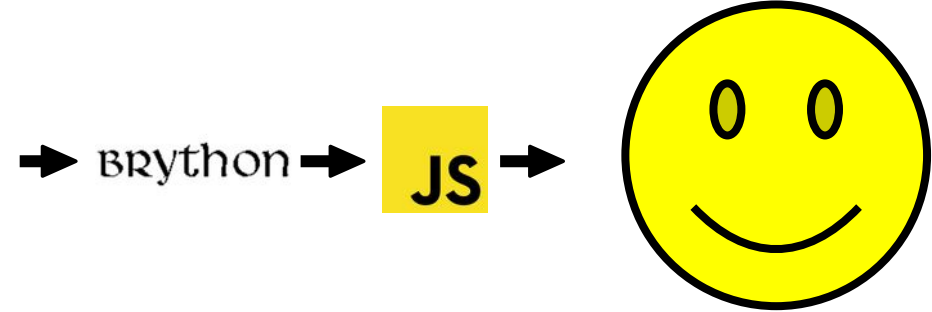
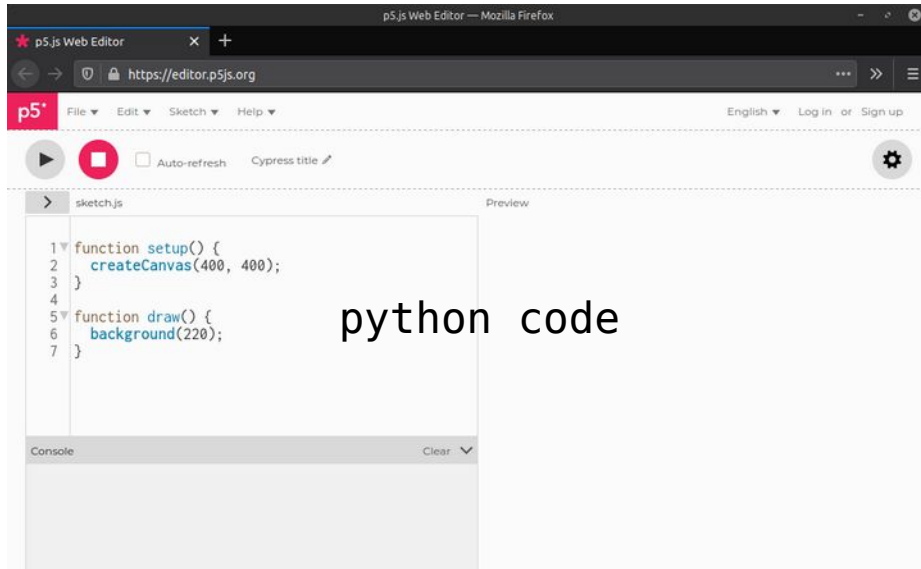
- * jython is not cpython (reference implementation)
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more python implementations

- * micropython, ironpython, pypy, transcript, brython ...

p5*.js





SO:

- * python mode / processing.py will do everything (java) prcoessing does
- * computiful will do everything p5.js does

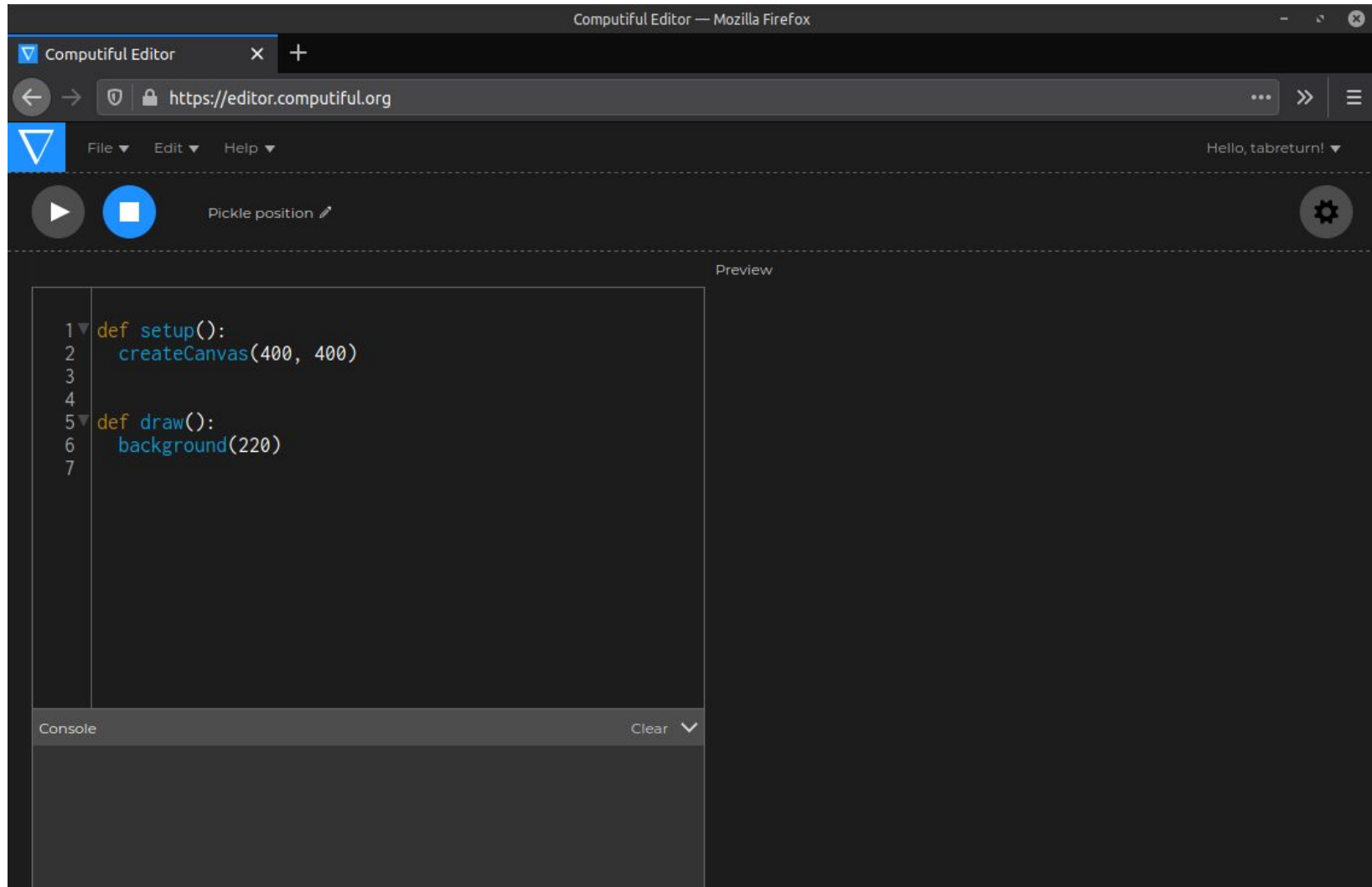
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- * today, we will use computiful

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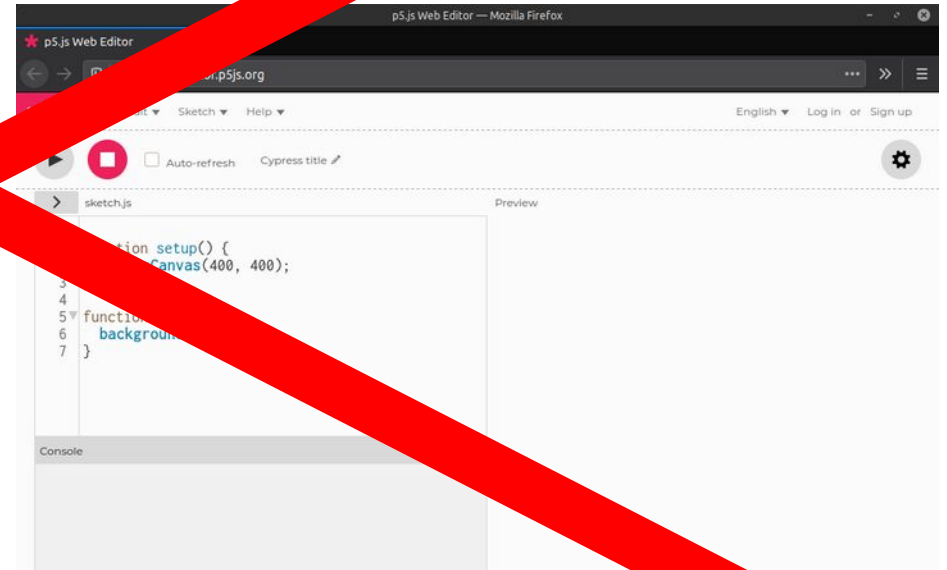
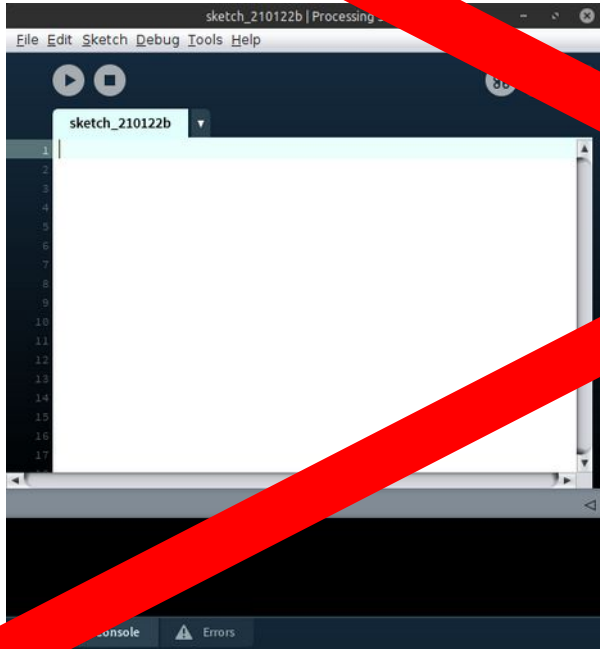
shout out to nick mcintyre (who put computiful together) and the pyp5js crew (bernardo fontes, alexandre villares) and everybody else involved in those projects!

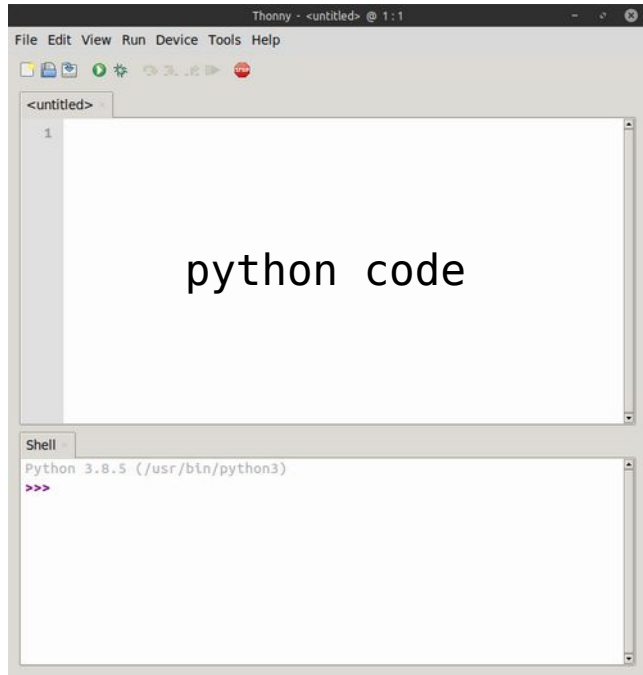




but, tristan -- what about a pure python solution?



p5*.js





 README.md	Update README.md	15 days ago
 _config.yml	yaml	3 years ago

README.md

Resources for teaching programming

for artists, designers and architects ([repository](#))

Extended table of Hosts, Platforms & Languages

- Drawing or 3D modeling software that embeds a scripting language on the user interface or allows automation with a very limited number of steps between programming and code execution.
- Tools aimed at teaching programming in a visual or graphic context.
- [Ad hoc: tools that have shown potential for teaching in a visual or graphic context.]

SORTABLE VIEW OF THE TABLE	CSV on GitHub	raw CSV
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An earlier version of this table was published as: VILLARES, A. B. A., & MOREIRA, D. (2017). *Python on the Landscape of Programming Tools for Design and Architectural Education*. Presented at the SIGRAI 2017, Concepcion, Chile.

Processing + Python tools table

Name	Processing features	based on (& Python version)	Python standard library	libraries ecosystem	main features	main limitations
Processing Python Mode	Processing Java	Jython (Python 2)	complete	Java & Processing Java	available inside Processing IDE, very Processing compatible	no web deployment, no modern Python libs
p5py	a new implementation (incomplete)	Python 3	complete	Python only	truly Python compatible	no web deployment, still incomplete
pyp5js (transcrypt mode)	p5.js	Transcrypt (Python 3)	incomplete	JavaScript & p5.js	web ready sketches, very p5js compatible and nice browser editor	JS libraries only, p5.js features only (compared to Processing Java/Python modes)
					web ready	

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 <https://gumroad.com/villares>

Packages

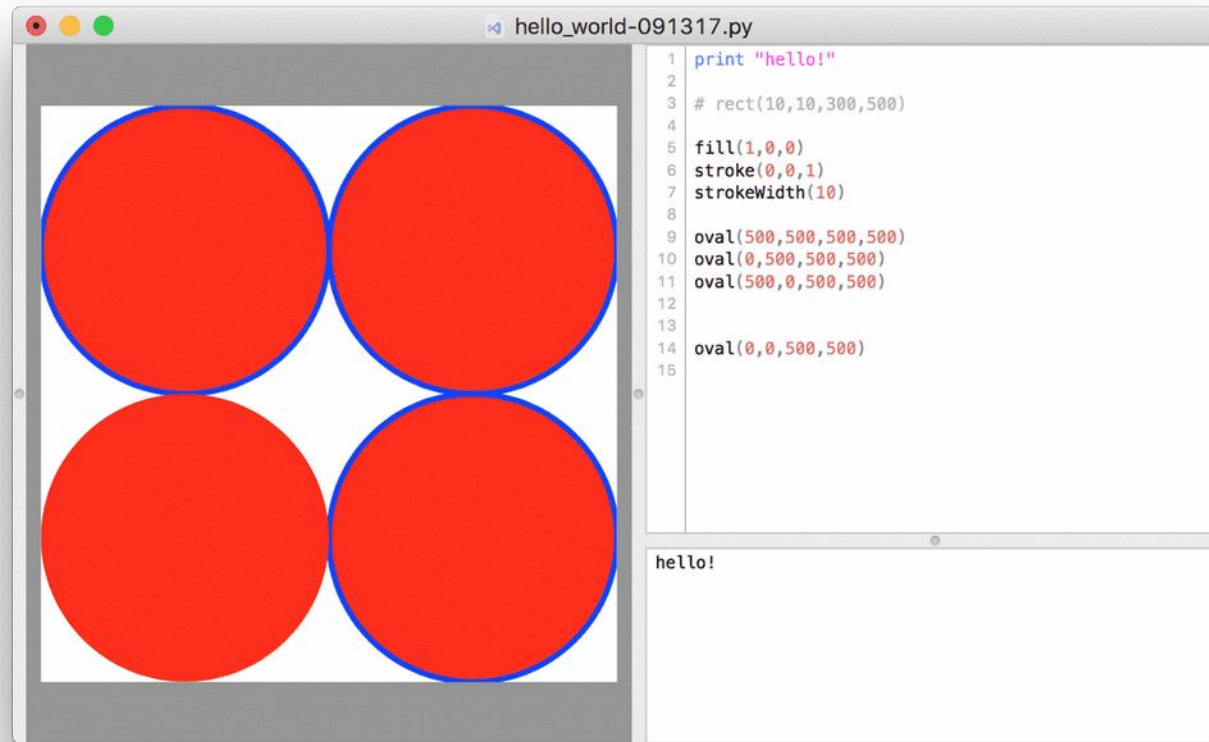
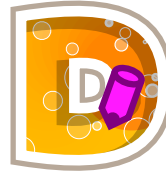
No packages published

Contributors 2

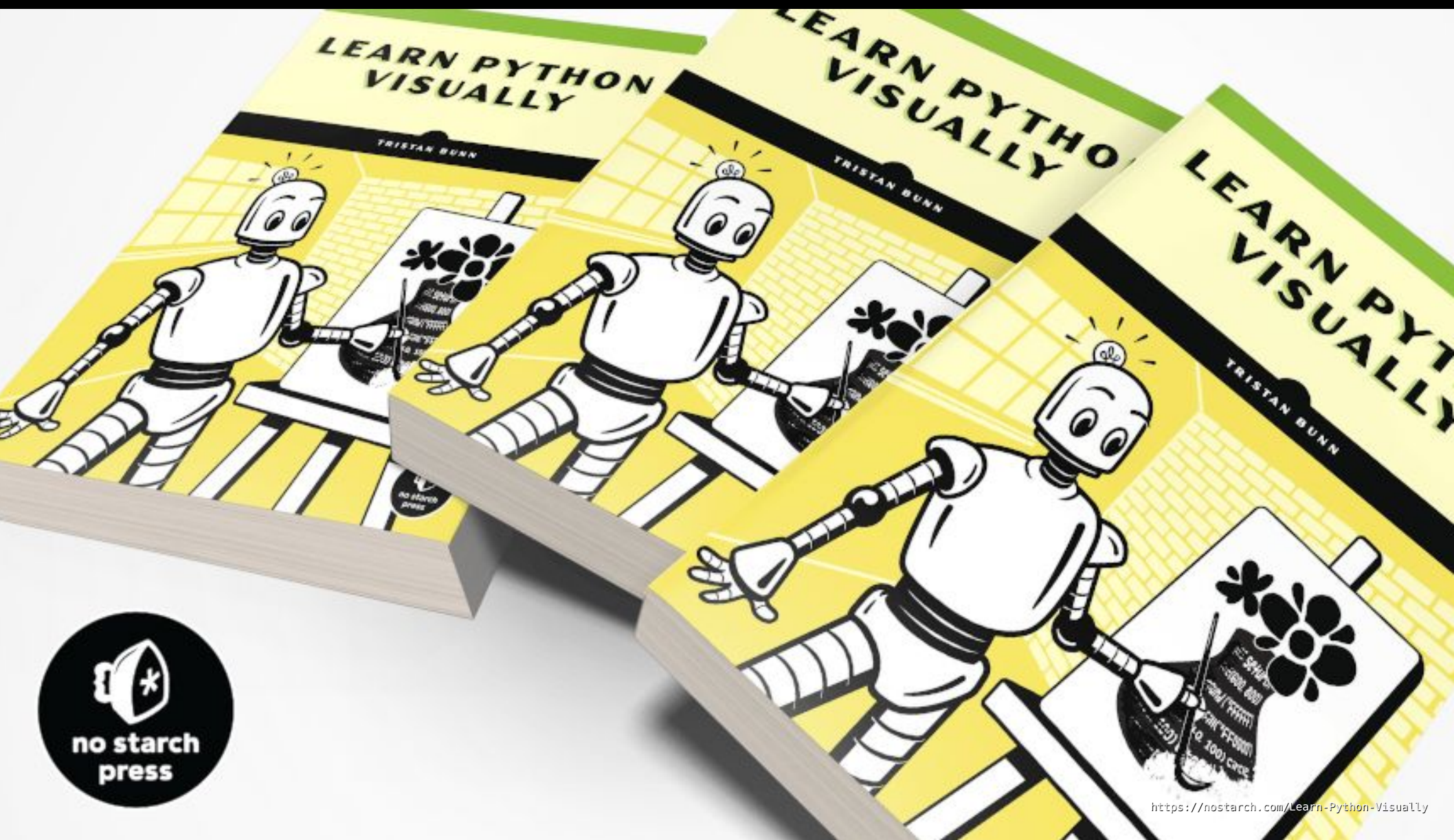
-  **villares** Alexandre B A Villares
-  **berinhard** Bernardo Fontes

Languages





* <https://discourse.processing.org/>



```
./time_for_some_code
```

```
time for some code ...
```