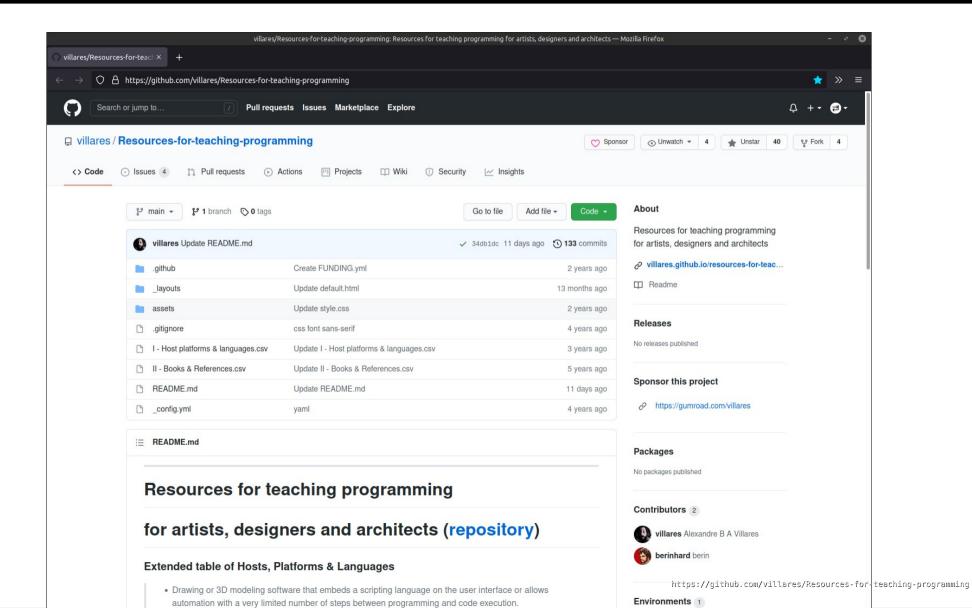
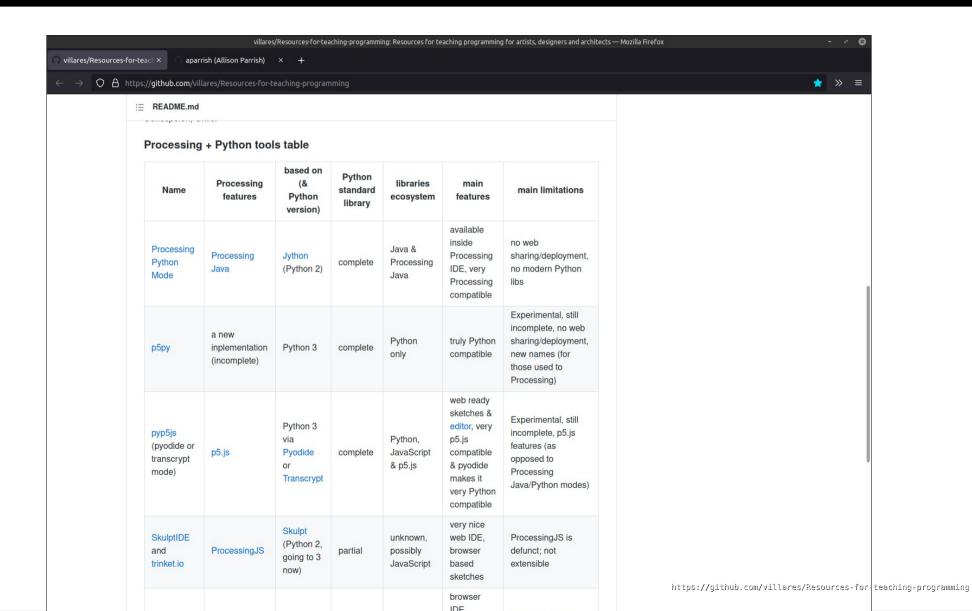
thonny + py5
a python 3 environment for processing

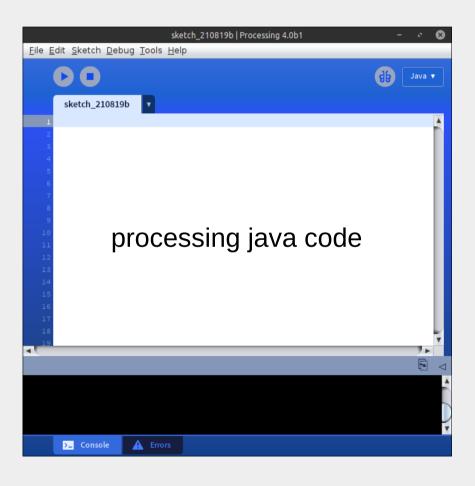
./processing\_+\_python\_ecosystem

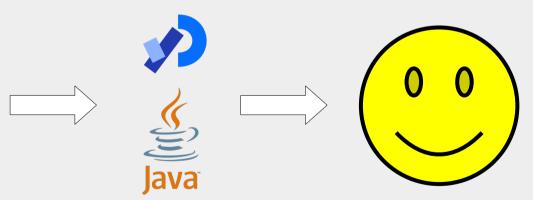
processing + py5 ecosystem



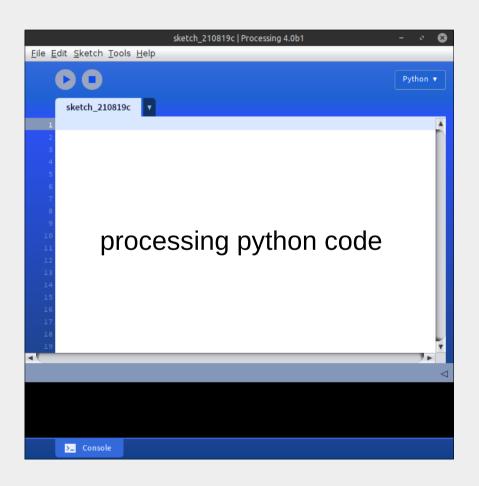


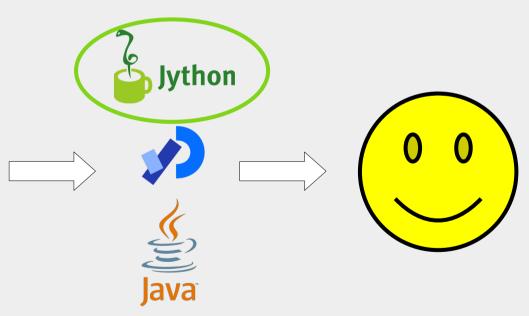












```
./processing_+_python_ecosystem/processing_python
```

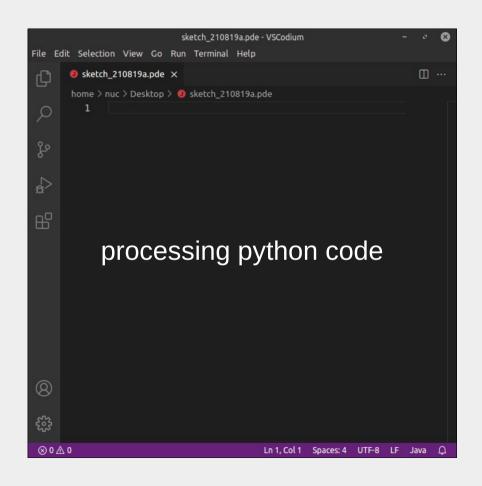
## jython

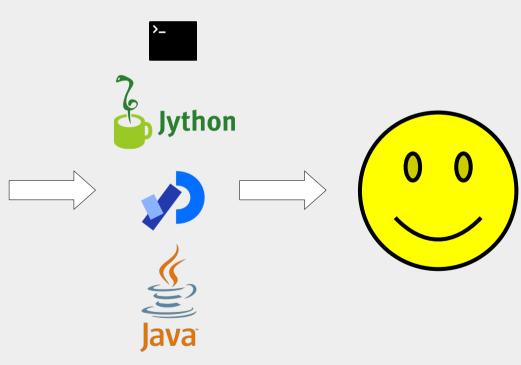
- \* is not cpython (reference implementation)
- \* supports python 2.7
- \* does not support 3rd-party python libraries with c extensions
- \* hence "python mode" for processing (mrfeinberg.com)





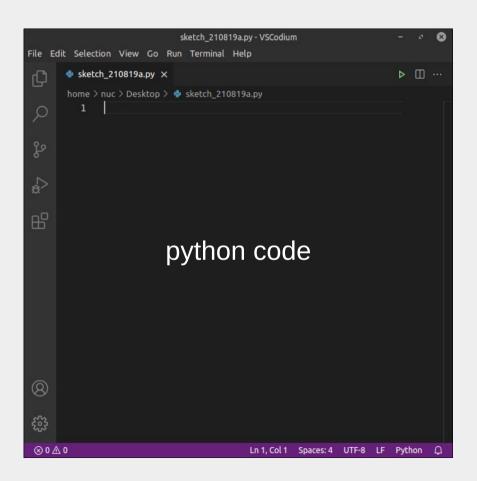


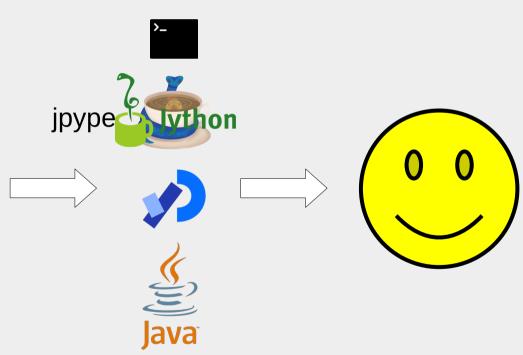




py5



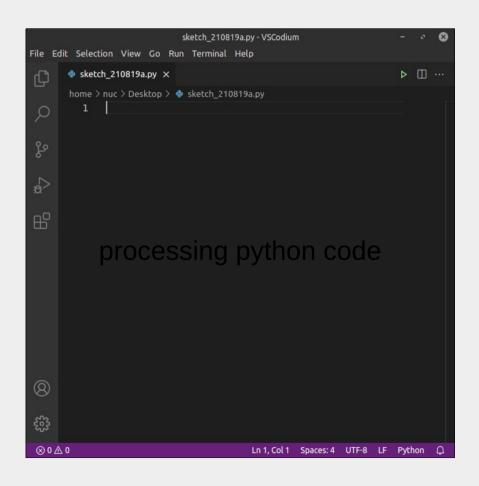


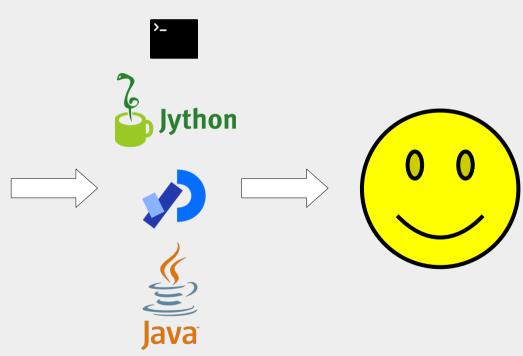


## jpype

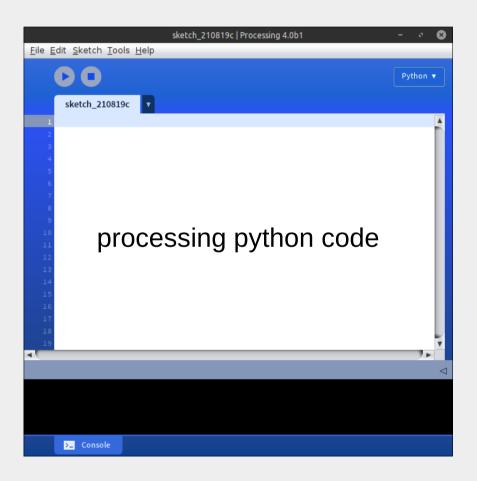
- \* provides full access to java libraries from within cpython
- \* supports python 3
- \* supports 3rd-party python libraries with c extensions





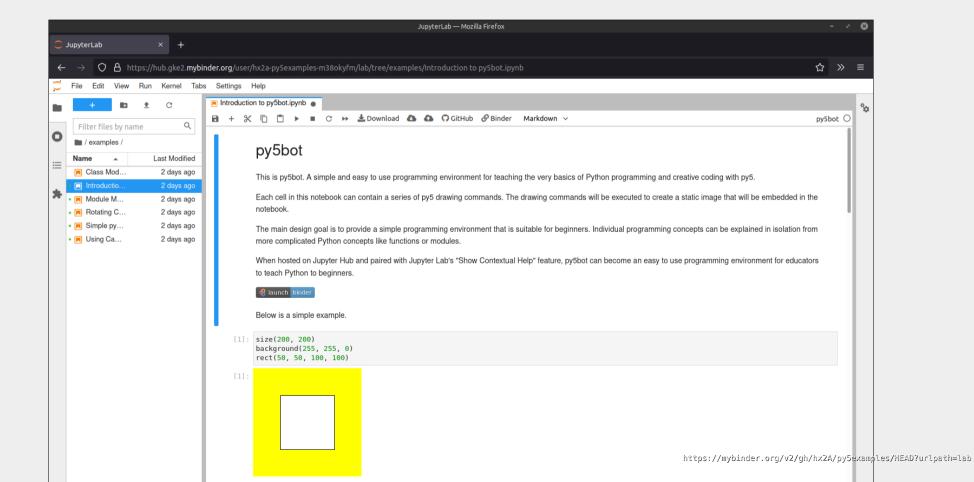








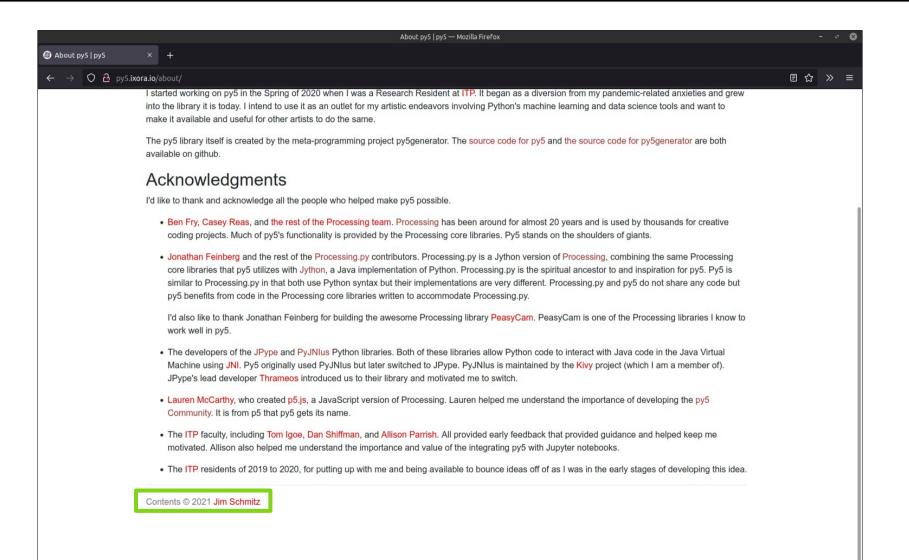


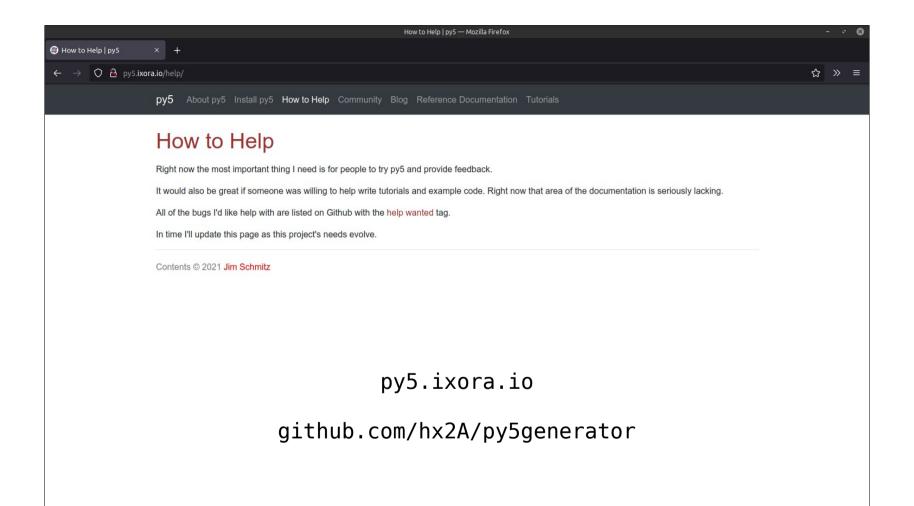


# py5

processing.py (processing python mode) is the spiritual ancestor to and inspiration for py5

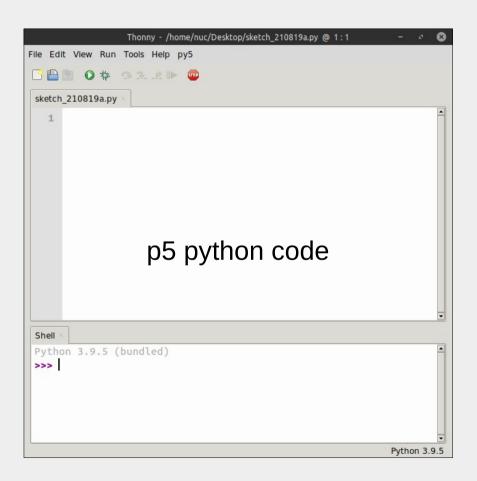
py5 is similar to processing python mode in that both use python syntax, but their implementations are very different; they do not share any code, but py5 benefits from code in the processing core libraries written to accommodate processing python mode

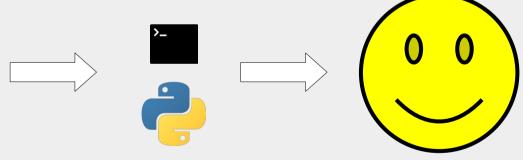




**p5** 







```
./processing_+_python_ecosystem/p5
```

```
p5
```

- \* python interpreter (reference implementation, cpython)
- \* p5 is a native python \*\*port\*\* of the processing api
- \* p5.readthedocs.io

./session\_outline

session outline

./session\_outline/session\_resources

github.com/tabreturn/cc-fest-py5

## session outline

- \* mybinder
- \* thonny
  - \* setting up thonny and thonny-py5mode plugin
  - \* py5 examples
- \* q & a

./session\_outline/session\_resources

github.com/tabreturn/cc-fest-py5

./end

end of slides