FUN WITH FRONTENDS IN PYTHON

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PYTHON

PYTHON

- simple

PYTHON

- simple
- powerful

PYTHON

- simple
- powerful
- usually on the backend

QT

QT

- object-oriented

QT

- object-oriented
- portable

QT

- object-oriented
- portable
- mature

BENEFITS

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- pure code

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- easy

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- pure code
- easy
- well documented

CAVEATS

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- Python is slower
- Packages require work to manage
- PyQt5 vs PySide2

EXAMPLE

```python
#! /usr/bin/python3 # <- Remember Python 2.7 retires in a few months

import sys # <- gets all of the system functions
from PySide2.QtWidgets import (QApplication, # <- the basic application
                               QLabel, # <- your standard labels
                               QWidget, # <- individual components of your app
                               QVBoxLayout) # <- container to tie everything together

app = QApplication(sys.argv)# <- Sets up the app and passes all command line argument
window = QWidget()
layout = QVBoxLayout()
label = QLabel("<font size=40> Hello Techlahoma! </font>") # <- Has HTML style taggin
layout.addWidget(label)
window.setLayout(layout)
window.setWindowTitle("Hello Techlahoma!")
window.show()
app.exec_()
```

A SIMPLE WINDOW IN QT

GETTING STARTED

- `python -m pip install PySide2 --user`
- https://doc.qt.io/qtforpython/tutorials/
- DuckDuckGo or Ecosia

PYTHON ❤ QT

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