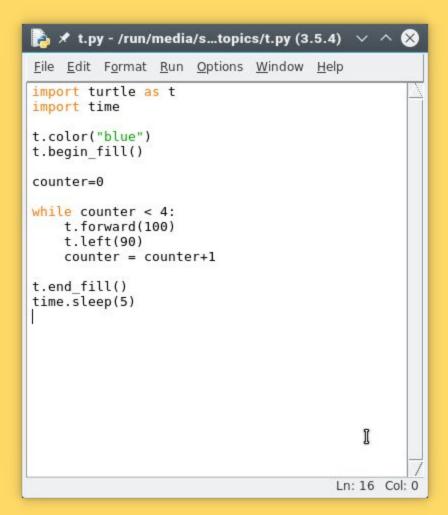
Python in Education

Presentation by Austin Fontaine





- Interpreted programming language
- Formatting dependent on whitespace
- Popular for use in OOP and data science
- Frequently used for teaching beginners





- Simple syntax, easy to understand
- Whitespace reinforces good formatting practices
- High level, don't need to learn low-level concepts like memory
- Interpreted, so no need to compile
- Very portable

Cons of Python in Education

- Teaches the "how" but not the "why"
- Connection between functionality less intuitive
- Can get confusing and frustrating if you go too fast
- Data types not obvious
- Too much abstraction
- Whitespace can get hard to track

Middle Ground

- Hybrid approach may be best
- Start in C for the basics, move to Python once pointers needed



https://www.google.com/url?sa=i&url=https%3A%2F%2Fen.wikipedia.org%2Fwiki%2FPython_(programming_language)&psig=AOvVaw1lO6ZecR5Jogf9HgiAdX8m&ust=1646175801828000&source=images&cd=vfe&ved=0CAwQjhxqFwoTCljpyvHAo_YCFQAAAAAAAABAAABAD

https://eprints.soton.ac.uk/22811/1/Fang_04.pdf