



Python 3 for Linguists

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Agenda

- Python 3
 - Documentation, Readings
- Komodo Edit
- Terminal, Command line, PowerShell
- Solving counting problems: first Python code

Python 3

- Various distributions available, but we use:
 - python.org for Windows and Macs
- or the default Python 3 distribution in your favorite Linux distribution

Komodo Edit

- Configuration
- File format
- Syntax selection

Command Line

- Terminal.app
 - Running Python
 - Interacting with Python

Tasks

- Linguistic objects in Python data-structures:
 - Characters
 - Words

Tasks

- Reading from files
- Writing to files

Tasks

- Tokenizing sequences
 - Strings to character tokens
 - Strings to word lists

Tasks

- Counting tokens
 - Dictionary data structure (hash-table)
 - Loops

Tasks

- Wrapping code into functions
 - reusing
 - documenting
 - modules

Tasks

- Importing modules
 - Tokenizer
 - Counter

References

- The Python Software Foundation (2013) The Python Tutorial.
- Chapter 3