Introduction to Python Programming

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1 Outline

- 1. Day 1
 - Python Documentation
 - Ways To Use Python
 - Interactive
 - Scripts
 - Libraries
 - Syntax
 - Data Types
 - Flow Control
- 2. Day 2
 - Input/Output
 - File Handling
 - \bullet Text Parsing & Regular Expressions
- 3. Day 3
 - Libraries
 - Subroutines
 - Classes
- 4. Day 4
 - Cryptology Primer
 - Symmetric/Asymmetric Ciphers

- Randomness and One-Time Pads
- Solitaire
- 5. Day 5
 - Solitaire Cipher Algorithm
 - Encryption & Decryption of Text Files
- 6. Day 6
 - NumPy
 - SciPy
 - MatPlotLib
- 7. Day 7
 - Frequency Analysis
 - Multiprocessing
- 8. Day 8
 - Recitation
 - Topical Examples
 - Q&A