

Week 2

Python Basics

Week 2

Discuss this week's modules here.

371 threads · Last post 14 hours ago

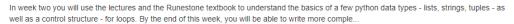
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Sequences and Iteration











Key Concepts

- · Predict the output of split and join operations
- · Read and write expressions that use slices



Lists and Strings

- Ungraded External Tool: Single Sign On: Interactive Textbook and Practice Opportunities 1h
- ✓ Video: Introduction Sequence Mutation 1 min
- Reading: Introduction: Sequences 10 min
- **Video:** Strings 7 min
- Reading: Strings 10 min
- ✓ Video: Lists 2 min
- Reading: Lists 10 min
- ✓ Video: Tuples 3 min
- Reading: Tuples 10 min
- **Video:** The Index Operator 7 min
- Reading: Index Operator: Working with the Characters of a String and Accessing Elements in a List 10 min
- Reading: Disambiguating []: Creation vs. Indexing 10 min
- Reading: Length 10 min
- ✓ Video: The Slice Operator 7 min
- Reading: The Slice Operator 10 min

Video: Concatenation and Repetition 6 min Reading: Concatenation and Repetition 10 min Video: Count and Index 10 min Reading: Count and Index 10 min Video: Split and Join 6 min Reading: Splitting and Joining Strings 10 min Graded External Tool: Assessment: Lists and Strings 1h Iteration Reading: Introduction: Iteration 10 min ▶ Video: The For Loop 12 min Reading: The for Loop 10 min Reading: Flow of Execution of the for Loop 10 min Reading: Strings and for Loops 10 min Reading: Lists and for Loops 10 min ▶ Video: The Accumulator Pattern 4 min ▶ Video: The Range Function 5 min Reading: The Accumulator Pattern and the Range Function 10 min Reading: (Optional) Traversal and the for Loop: By Index 10 min Reading: (Optional) Nested Iteration: Image Processing 10 min Reading: (Optional) The Gory Details: Iterables 10 min The Way of the Programmer ▶ Video: Naming Your Variables in For Loops 3 min Reading: Naming Variables in For Loops 10 min ▶ Video: Printing Intermediate Results 4 min Reading: Printing Intermediate Results 10 min ▶ Video: Keeping Track of Your Iterator Variable and Your Iterable 4 min Reading: Keeping Track of Your Iterator Variable and Your Iterable 10 min Graded External Tool: Assignment: Week Two 1h Due Jun 15, 10:59 AM +04 Practice Quiz: Optional - What Did You Use to Practice This Week? 5 questions