

Useful Python Odds and Ends

March 14, 2013

What We've Learned

TYPES

Integers, Floats
Strings, Booleans

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Expressions,
Assignments,
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Data Structures

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Function Definitions

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Function Definitions

Files

Review: Python Dictionaries

- REMEMBER: Keys Are Unique
- REMEMBER: Dictionaries are Unordered



Function/Syntax	Input	Output	Example
<code>keys()</code>	None	List of keys	<pre>>>> freq.keys() ['the', 'cat']</pre>
<code>values()</code>	None	List of values	<pre>>>> freq2.values() [3, 2]</pre>
<code><key> in <dict></code>	None	Boolean	<pre>>>> 'the' in freq2 True</pre>
<code>del(<dict>[<key>])</code>	Dict. Entry	None	<pre>>>> del(freq2['cat'])</pre>

Making Things Interactive

- Run `echo()`

```
def echo():  
    myInput = raw_input('write something.. ' )  
    print 'You wrote:',myInput  
    return
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Do Task 2

Getting Data from Online

It works just like files!

- `import urllib` loads a "module" that defines:
 - A `urllib.urlopen()` function (read-only!)
 - A file-like type called `addinfourl`
 - `addinfourl` member functions:
 - `read()`
 - `close()`

Working with Strings

Check out the documentation...

- The `str` type has lots of great member functions:
 - `find()`
 - `replace()`
 - `strip()`, `lstrip()`, `rstrip()`
 - `join()` — the opposite of `split()`