Raymond's Trinity

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Three pinches of Python from R.Hettinger's talks

Who the heck is Raymond Hettinger?

- Python Core developer since 2001, author of (just to mention a few)
  - set()
  - enumerate()
  - any()
  - all()
  - functools
  - itertools
  - generator expressions
- Teacher & mentor
  - Author of dozens of amazing talks/lectures and courses
  - Trained thousands of Python Developers in person

Dataclasses

- Introduced in Python 3.7
- Allows to avoid writing boilerplate code for classes
- Similar to NamedTuple, BUT:
    - Mutable (by default)
    - Has smarter default __eq__
    - Based on dict, not tuple
    - Faster attribute access (this will change in future releases)
    - Heavier

Iter's sentinel arg

- iter built-in allows to get iterator from it's argument that implements __iter__.
- if iter has 2 arguments, the first one have to be callable, and the second so-called sentinel value. Created iterator will call the callable with no arguments as long as it returns sentinel value

Doctest

- Awesome tool to improve quality of docstrings
- Should be used to show basic usage of functions/classes
- Costs little time to write this kind of tests
- NOT intended to be a tool for thorough tests
- Who doesn't like to have nice examples in API Reference?

Q&A

Thanks!

Jerzy Kowalski