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rowCount:	5/163	GoTo Row
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Results Fields

21151
2016-06-08
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ic Snow
[python-dev] PEP 520: Ordered Class Definition Namespace
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Parameters

ter word/SQL:

proposal Eric Snow

Flight Terms, ENTER

MessageID	Date	Title	State
	2016-06-07	Ordered Class	Status: DRAFT
	2016-06-28		Status: ACCEPTED
	2016-09-05		Status: FINAL

Message	Marked Message	Quotes Removed
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From: ericsnowcurrently at gmail.com Tue Jun 7 20:50:50 2016
From: ericsnowcurrently at gmail.com (Eric Snow)
Date: Tue, 7 Jun 2016 17:50:50 -0700
Message-ID: <CALFuf7YAa0rp7qMM4=rY6ai97a_MHX+EFt3igYd+Kv6vk_cAg@mail.gmail.com>

I've grabbed a PEP # (520) and updated the PEP to clarify points that were brought up earlier today. Given positive feedback I got at PyCon and the reaction today, I'm hopeful the PEP isn't far off from pronouncement. :)

erica

```
PEP: 520
Title: Ordered Class Definition Namespace
Version: $Revision$
Last-Modified: $Date$
Author: Eric Snow <eric.snowcurrently@gmail.com>
Status: Draft
Type: Standards Track
Content-Type: text/xrst
Created: 7-Jun-2016
Python-Version: 3.6
Post-History: 7-Jun-2016
```

Abstract

This PEP changes the default class definition namespace to "OrderedDict". Furthermore, the order in which the attributes are defined in each class body will now be preserved in "`type.__definition_order__`". This allows introspection of the original definition order, e.g. by class decorators.

Note: just to be clear, this PEP is *not* about changing `__dict__` for classes to `OrderedDict`.

Motivation

Currently the namespace used during execution of a class body defaults to "dict". If the metaclass defines "`__prepare__()`" then the result of calling it is used. Thus, before this PEP, if you needed your class definition namespace to be "OrderedDict" you had to use a metaclass.

Metaclasses introduce an extra level of complexity to code and in some cases (e.g. conflicts) are a problem. So reducing the need for them is worth doing when the opportunity presents itself. Given that we now have a C implementation of "OrderedDict" and that "OrderedDict" is the common use case for "`__prepare__()`", we have such an opportunity by defaulting to "OrderedDict".

The usefulness of “OrderedDict”-by-default is greatly increased if the definition order is directly introspectable on classes afterward, particularly by code that is independent of the original class definition. One of the original motivating use cases for this PEP is generic class decorators that make use of the definition order.

Heur. Msg Sent Automatic CR Sent. Suggestion Manual Extraction of Reasons Cause-Effect Filter CER with Parameters

Label:	Have to relook later
Cause Category:	
Cause Sub Category:	
	Insert Cause & Effect And Show

Date	MID	Author	Sentence/Message	Probability
2010-06-28	221690	proposalAuthor	otherwise i think this pep is ready f.	6.9000000000000001
2010-06-28	221690	proposalAuthor	please let me know if you have an.	6.5000000000000001
2010-06-28	221690	proposalAuthor	thanks for the feedback	6.2000000000000001
2010-06-28	221688	proposalAuthor	i've updated the pep per everyone.	6.0000000000000001
2010-06-28	221688	proposalAuthor	i'll do that when i resolve the open.	6.0000000000000001
2010-06-28	221690	proposalAuthor	i've updated the pep to resolve th.	5.8000000000000001
2010-06-08	221151	proposalAuthor	given positive feedback i got at py.	5.8000000000000001
2010-06-28	221691	bdfl	that addresses my last concerns	5.5000000000000001
2010-06-28	221688	proposalAuthor	i'd rather avoid any extra complex.	5.1000000000000005
2010-06-24	221662	proposalAuthor	as i say in the pep i'd rather defin.	5.0000000000000001
2010-06-28	221694	proposalAuthor	yay thank you and to all those that.	4.9
2010-06-11	221371	proposalAuthor	i've updated the pep to reflect fee.	4.9
2010-06-16	221529	proposalAuthor	i'll make sure the pep reflects this ...	4.6000000000000005
2010-06-11	221371	proposalAuthor	guido at this point i believe the pe.	4.6000000000000005
2010-06-26	221673	bdfl	i don't think it's great to let other i.	4.5
2010-06-16	221531	proposalAuthor	it's a concrete problem that folks h.	4.5
2010-06-11	221374	proposalAuthor	also i'd rather favor simplicity for t.	4.5
2010-09-10	222924	coredeveloper	the reasoning for modifying the pe.	4.4
2010-09-10	222939	proposalAuthor	however once it became mostly re.	4.4
2010-06-28	221688	proposalAuthor	i don't see any reason to disallow ...	4.4