

# Introduction to Python Decorators – Debugging – Packages and Packaging

Christopher Barker

UW Continuing Education / Isilon

August 22, 2012

# Table of Contents

- 1 Review/Questions
- 2 Decorators
- 3 Debugging
- 4 Packages and Packaging

# Review of Previous Class

## Lightning talk today: Peter

- Some more OO
  - Multiple inheritance / mix-ins
  - Properties
  - `staticmethod` and `classmethod`
  - Special methods (“dunder”)
- Iterators
- Generators

# Homework review

Who added some classes to some “real” code?

- Multiple inheritance / mix-ins ?
- Property ?
- `staticmethod` or `classmethod` ?
- Special methods ?
- Iterator or Generators ?

# Decorators

Decorators are wrappers around functions

They let you add code before and after the execution of a function

Creating a custom version of that function

# Decorators

## Syntax:

```
@logged
def add(a, b):
    """add() adds things"""
    return a + b
```

# LAB



# Lightning Talk

Lightning Talk:

Peter



# First Topic

A topic

some code example

# LAB



# First Topic

A topic

some code example

# LAB



# Wrap up



# Homework

