

# Coding Kwoon 编程馆

Rodolfo Henrique Carvalho  
郝多福

中国北京，2013年3月26日

# Tonight's Timetable

19:00 - 19:20	This introductory talk
19:25 - 20:05	Coding Session 1
20:10 - 20:50	Coding Session 2
20:50 - 21:10	Retrospective

# New Concepts

- Coding Dojo
- Coding Kwoon
- Social Environment
- Programming Environment
- Pair Programming
- Test-Driven Development

# In a Coding Kwoon

Axioms:

- **People** have different skill levels
- There're several ways to **express ideas** about what you're trying to accomplish

You can:

- **Exercise** a set of skills
- **Learn** with others and **share** what you know
- Learn **new languages**
- **Explore** details of languages you already know

# How it works



Coding Session



Restrospective

# Programming Challenge

Create an string representation of an integer value using a 3x3 grid and the characters “.”, “\_”, “|” to compose each digit.

All digits:

```
..  ...  ..  ..  ...  ..  ..  ..  ..  ..  
|. |  .. |  ._|  ._|  |_|  |_|  |_|  .. |  |_|  |_  
|_|  .. |  |_|  ._|  .. |  ._|  |_|  .. |  |_|  ..
```

Example:

Input = 910

Output =

```
..  ...  ..  
|_|  .. |  |_  
.. |  .. |  |_|
```

# First Test Case

- Think about the most appropriate data structure, but don't overthink
- Don't be afraid to change the representation once you find something better

```
class SingleDigitTests(unittest.TestCase):  
    def test_zero(self):  
        display = SegmentDisplay()  
        self.assertEqual(display.show(0), [["_."],  
                                           ["|.|"],  
                                           ["|_|"]])
```

# Warnings

- No competition.
- Focus on the process, not on solving the programming challenge.

## Things to practice:

- Pairing
- TDD
- Baby steps
- Communication



Learn more

Coding Kwoon Beijing  
is here!

<http://bj.codingkwoon.com>

<https://groups.google.com/d/forum/kwoon-bj>  
short link: <http://goo.gl/N4SmJ>