

Python in 15 minutes



Rodolfo Henrique Carvalho
郝多福

中国北京，2013年2月28日

About me and you

- Pythonista since 2006
- Wrote from small scripts to bigger systems with tons of users and tens of developers
- Web programming (Turbogears, Django, Bottle, ...)
- Founder of the Coding Dojo Rio group in Brazil (2008)
- XMPPVOX (2012)
- Crawlers, parsers, and several other kinds of programs...
- Concurrent/parallel programs (multiprocessing, threads, greenlets, ...)



About Python

From the official website:

Python is a remarkably powerful dynamic programming language that is used in a wide variety of application domains.

Python is often compared to Tcl, Perl, Ruby, Scheme or Java.



Features

- clear syntax
- introspection
- multiparadigm (OO, procedural, functional, ...)
- very high level dynamic data types (lists, sets, maps, ...)
- “batteries included” + 3rd party modules for virtually every task
- extensions and modules in C, C++ (or Java for Jython, or .NET languages for IronPython)
- embeddable within applications as a scripting interface (e.g.: games)
- extensive unittest support
- docstrings



>>> import this (The Zen of Python)

Beautiful is better than ugly.

Explicit is better than implicit.

Simple is better than complex.

Complex is better than complicated.

Flat is better than nested.

Sparse is better than dense.

Readability counts.

Special cases aren't special enough to break the rules.

Although practicality beats purity.



>>> import this (The Zen of Python)

Errors should never pass silently.

Unless explicitly silenced.

In the face of ambiguity, refuse the temptation to guess.

There should be one – and preferably only one – obvious way to do it.

Although that way may not be obvious at first unless you're Dutch.

Now is better than never.

Although never is often better than **right** now.

If the implementation is hard to explain, it's a bad idea.

If the implementation is easy to explain, it may be a good idea.

Namespaces are one honking great idea – let's do more of those!



How does it look like?

Let's see some code



<http://docs.python.org/2/tutorial/>

邮件: rhcarvalho@gmail.com

网页: about.me/rhcarvalho

电话: 1 314 602 7634

Need in-company Python training? Drop me a line.

