

Jython

Introduction to Jython programming

Agenda

- Module 1 - Introduction to Jython
- Module 2 - Jython language and semantics
- Module 3 - Data types
- Module 4 - Regular expressions
- Module 4 - Functions, debugging, modules, and packages
- Module 6 - Objects, classes and exceptions
- Module 7 - Java integration
- Module 8 - Testing
- Module 9 - System programming
- **Module 10 - Conclusion**

Recap

We have explored

- The basics of Python programming
 - Syntax
 - Data types
 - Regular expressions
 - Functions, debugging, modules and Packages
 - Classes & object orientation
 - Testing techniques
 - Java integration
 - System programming techniques

Next steps

- Write as much Jython/Python as you can
 - Work with open source projects
 - If you are daring, volunteer to work on the Jython project
 - Work with modules and packages
- Language features
 - Explore the language features we did not cover
 - Generators
 - Iterators
 - XML/JSON
 - Metaprogramming
 - Database access
 - Regexes and text processing
- Extend using Java (Jython) or C/C++ (if you are using Python)

Resources

- Books
 - Learning Python - ISBN 978-0-596-15806-4
 - Python Standard Library by Example - ISBN 978-0-3212-76734-9
 - Dive into Python - <http://www.diveintopython.net>
 - Jython Essentials - ISBN 978-0596002473
 - Definitive Guide to Jython - <http://www.jython.org/jythonbook/en/1.0/>

Resources₂

- Python Documentation
- Jython documentation
- IBM Developer Works
 - <http://www.ibm.com/developerworks/java/tutorials/j-jython1/j-jython1.html>
 - <http://www.ibm.com/developerworks/java/tutorials/j-jython2/j-jython2.html>
 - <http://www.ibm.com/developerworks/library/j-alj07064/>

Resources₃

- O'Reilly
 - <http://www.onlamp.com/pub/a/onjava/2002/03/27/jython.html>
 - <http://www.onlamp.com/pub/a/python/2002/04/11/jythontips.html?page=1>
 - <http://www.onlamp.com/pub/a/python/2002/04/11/jythontips.html>
 - <http://www.oscon.com/oscon2012/public/schedule/detail/23505>

Resources4

- Miscellaneous web resources
 - Python weekly - <http://www.pythonweekly.com>
 - Pycoder's weekly - <http://pycoders.com>
 - Advanced Python Newsletter - <http://migrateup.com/python/>

Complete the course evaluation

Final Q & A

Thank you!

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