**Internet Journal**

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| **Source**: http://page.mi.fu-berlin.de/prechelt/Biblio/jccpprt\_computer2000.pdf | **Type Of Document**: Research Paper  **Author(s)//surname before initials**: Prechelt, Lutz  **(Year Published)**: March 14, 2000  **Article Title**: An empirical comparison of seven programming languages  **Journal Title**: *Computer*  **Vol(issue)pp.**: 33(10),pp.29.  ***Name of Collection****: IEEE Xplore Journals (IEL)*  [Online]  **Available at**: <http://page.mi.fu-berlin.de/prechelt/Biblio/jccpprt_computer2000.pdf> or <http://ieeexplore.ieee.org.ergo.glam.ac.uk/stamp/stamp.jsp?tp=&arnumber=876288> |
| **Topic**: Python compared with C++, C, Java, Perl, Rexx, Tcl | **Ref**: Prechelt, L.(2000)’ An empirical comparison of seven programming’, *Computer*, 33(10),pp.29. *IEEE Xplore Journals (IEL)* [Online]. Available at: http://ieeexplore.ieee.org.ergo.glam.ac.uk/stamp/stamp.jsp?tp=&arnumber=876288 (Accessed: 04 November 2015) |
| **In text**: from an empirical study, Prechelt (2000, p.29) found that,… |
| **Summary**: Designing and writing the program in Perl, Python, Rexx, or Tcl takes no more than half as much time as writing it in C, C++, or Java and the resulting program is only half as long. | |
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| **Source**: http://page.mi.fu-berlin.de/prechelt/Biblio/jccpprt\_computer2000.pdf | **Type Of Document**: Research Paper  **Author(s)//surname before initials**: Prechelt, Lutz  **(Year Published)**: March 14, 2000  **Article Title**: An empirical comparison of seven programming languages  **Journal Title**: *Computer*  **Vol(issue)pp.**: 33(10),pp.29.  ***Name of Collection****: IEEE Xplore Journals (IEL)*  [Online]  **Available at**: <http://page.mi.fu-berlin.de/prechelt/Biblio/jccpprt_computer2000.pdf> or <http://ieeexplore.ieee.org.ergo.glam.ac.uk/stamp/stamp.jsp?tp=&arnumber=876288> |
| **Topic**: scripting program memory consumption compared to compiled language program (worse) | Ref: Prechelt, L.(2000)’ An empirical comparison of seven programming’, *Computer*, 33(10),pp.29. *IEEE Xplore Journals (IEL)* [Online]. Available at: http://ieeexplore.ieee.org.ergo.glam.ac.uk/stamp/stamp.jsp?tp=&arnumber=876288 (Accessed: 04 November 2015) |
| **In text**: a study, Prechelt (2000, p.29), found that,… |
| **Summary**: The typical script program consumes about twice as much memory as does a C or C++ program. Java programs consume three or four times as much memory as C or C++ programs. | |
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**Books**

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| **Source**: https://www.python.org/doc/essays/foreword/ | **Type Of ref**: chapter in Book  **Author(s)//surname before initials**: Mark Lutz  **(Year Published)**: 1996  **Title**: Programming Python  **Edition**: ------  **Series and volume number(where needed)**:------ |
| **Ref:** Rossum, G.V. (1996) ‘Foreword’ in Lutz, M. *Programming Python*. Sebastopol: O’Reilly Media. |
| **Topic**: Python Readability  Good for quick Deployment | **In Text**: Rossum (1996) explains python was designed, from the ground up, to be readable. |
| **Summary**: | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Lutz, M.  **(Year Published)**: (2011)  ***Title***: *Programming Python*  **Edition**: 4  **PoP**: Sebastopol: O’Reilly Media  **Series and volume number(where needed)**:------ |
| **Ref**: Lutz, M. (2011) *Programming Python*. 4th edn. Sebastopol: O’Reilly Media. |
| **Topic**: Python | **In Text**: according to Lutz (2011)… |
| **Summary/points**:   * Python's adaptability makes it extremely flexible during development. * Prototypes can quickly be established, however once optimisation is needed, lower-level addons/code can be added in a modular fashion. * Python is useful for mixed language systems. * Integration facilities to enable mixed-language development * Good for rapid development * Smaller programs than java | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Silberschatz, A. Galvin ,P.B. and Gagne, G.  **(Year Published)**: (2011)  ***Title***: *Operating System Concepts*  **Edition**: 9  **PoP**: USA: John Wiley & Sons, Inc  **Series and volume number(where needed)**:------ |
| **Ref**: Silberschatz, A. Galvin ,P.B. and Gagne, G. (2011) *Operating System Concepts*. 9th edn. USA: John Wiley & Sons, Inc. |
| **Topic**: Python | **In Text**: according to Silberschatz, Galvin and Gagne (2011)… |
| **Summary/points**:   * The critical section problem * Locking * Mutex Locks * Semaphores * Starvation & Deadlocks | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Beazley, D. and Jones, B.K.  **(Year Published)**: (2013)  ***Title***: *Python Cookbook*  **Edition**: 3  **PoP**: Sebastopol: O’Reilly Media.  **Series and volume number(where needed)**:------ |
| **Ref**: Beazley, D. and Jones, B.K. (2013) *Python Cookbook*. 3rd edn. Sebastopol: O’Reilly Media. |
| **Topic**: Python & JSON | **In Text**: according to Silberschatz, Galvin and Gagne (2011)… |
| **Summary/points**:   * The format of JSON encoding is almost identical to Python syntax except for a few minor changes. | |
|  | |
| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Beazley, D. and Jones, B.K.  **(Year Published)**: (2013)  ***Title***: *Python Cookbook*  **Edition**: 3  **PoP**: Sebastopol: O’Reilly Media.  **Series and volume number(where needed)**:------ |
| **Ref**: Beazley, D. and Jones, B.K. (2013) *Python Cookbook*. 3rd edn. Sebastopol: O’Reilly Media. |
| **Topic**: Python & JSON | **In Text**: according to Silberschatz, Galvin and Gagne (2011)… |
| **Summary/points**:   * The format of JSON encoding is almost identical to Python syntax except for a few minor changes. | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Hughes, B. and Cotterell, M.  **(Year Published)**: (2006)  ***Title***: *Software Project Management*  **Edition**: 4  **PoP**: McGraw-Hill Education  **Series and volume number(where needed)**:------ |
| **Ref**: Hughes, B. and Cotterell, M. (2006) *Software Project Management*. 4th edn. Berkshire: McGraw-Hill Education. |
| **Topic**: Software Project Management – process models | **In Text**: according to Hughes and Cotterell (2006) … |
| **Summary/points**:   * There are often more flexible methods available when considering waterfall method (which has a limited scope for iteration). * The V-process provides validation at each activity. This means that if a discrepancy is found during implementation, then the project will loop back to a corresponding stage for corrections to be applied. * The spiral process model gives a more realistic iterative view of the project lifecycle. However, greater risk assessment expertise is needed to forecast issues.   **Student Projects/Small Projects**   * Use of unfamiliar tools affect estimation of how long tasks will take. | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Holden, S.  **(Year Published)**: (2002)  ***Title***: *Python Web Programming*  **Edition**: 1  **PoP**: IN: New Riders.  **Series and volume number(where needed)**:------ |
| **Ref**: Holden, S. (2002) *Python Web Programming*. IN: New Riders. |
| **Topic**: Python & HTTP | **In Text**: according to Holden (2002)… |
| **Summary/points**:   * Using server framework library with Python * Asynchronous clients page 219-221 * One of pythons strengths is its large library(see beginning of book) | |
|  | |
| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Sommerville, I.  **(Year Published)**: (2010)  ***Title***: *Python Web Programming*  **Edition**: International ed of 9th revised ed  **PoP**: Hagerstown: Pearson.  **Series and volume number(where needed)**:------ |
| **Ref**: Sommerville, I. (2010) *Software Engineering*. International ed of 9th revised ed. Hagerstown: Pearson. |
| **Topic**: Process Models | **In Text**: according to Sommerville (2010)… |
| **Summary/points**:   * The waterfall’s main problem is its inflexibility when trying to define clear stages. Commitments must be made at an early stage. The project becomes vulnerable to changes in development. P 32 * Waterfall should only be used when requirements are well understood and unlikely to change. P 32 * Parts of the system that are difficult to specify in advance, such as a GUI, should be developed using an incremental approach. P 30 | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: *J Rumbaugh, M Blaha, W Premerlani, F Eddy, W Lorensen*,  **(Year Published)**: (1991)  ***Title***: *Object-oriented modeling and design*  **Edition**:  **PoP**: Upper Saddle River, NJ, USA: Prentice-Hall, Inc.  **Series and volume number(where needed)**:------ |
| **Ref**: Rumbaugh, J., Blaha, M., Premerlani, W., Eddy, F. and Lorensen, W. (1991) *Object-Oriented Modeling and Design*. Upper Saddle River, NJ, USA: Prentice-Hall, Inc. |
| **Topic**: Identifying concurrent implementation | **In Text**: according to Rumbaugh et al (1991)… |
| **Summary/points**:   * Two [objects](http://www.perflensburg.se/Privatsida/cp-web/djruobjm.htm) are inherently concurrent if they receive [events](http://www.perflensburg.se/Privatsida/cp-web/djruevst.htm) at the same time and do not interact. If the events not are synchronised the two objects can not be on a single thread of control. | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: *Bacon*, J.  **(Year Published)**: (1997)  ***Title***: *Concurrent Systems*  **Edition**: 2  **PoP**: Boston, USA: Addison-Wesley.  **Series and volume number(where needed)**:------ |
| **Ref**: Bacon, J. (1991) *Concurrent System*. Prentice-Hall, Inc., Upper Saddle River, NJ, USA. |
| **Topic**: Identifying concurrent implementation | **In Text**: according to Bacon (1991)… |
| **Summary/points**:   * Two [objects](http://www.perflensburg.se/Privatsida/cp-web/djruobjm.htm) are inherently concurrent if they receive [events](http://www.perflensburg.se/Privatsida/cp-web/djruevst.htm) at the same time and do not interact. If the events not are synchronised the two objects can not be on a single thread of control. | |
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| **Source**: | **Type Of ref** Book  **Author(s)//surname before initials**: Burns, A and Davies, G.  **(Year Published)**: (1993)  ***Title***: *Concurrent Programming*  **Edition**:  **PoP**: Boston, USA: Addison-Wesley.  **Series and volume number(where needed)**: International Computer-Science Series |
| **Ref**: Burns, A and Davies, G. (1993) *Concurrent Programming.* Boston, USA: Addison-Wesley. International Computer-Science Series. |
| **Topic**: Concurrent Programming | **In Text**: according to Burns and Davies (1993)… |
| **Summary/points**:   * Deadlock redemption allows deadlock to occur. | |

**Websites**

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| **Source**: http://www.portaudio.com/ | **Type Of Document**: website (no date) |
| **Ref**: *PortAudio* http://www.portaudio.com/ (no date)(Accessed: 4 November 2015) |
| **Topic**: Port Audio Library | **In Text**: (http://www.portaudio.com/, no date). |
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| **Source**: http://sox.sourceforge.net/ | **Type Of Document**: website - org as author  **Year of publish/update()**: 22 February 2015  ***Title of site***: SoX – Sound Exchange  **Available at**: http://sox.sourceforge.net/  **(Accessed:)**: 4 November 2015 |
| **Ref**: *PortAudio* http://www.portaudio.com/ (no date)(Accessed: 4 November 2015) |
| **Topic**: Sound Exchange Library | **In Text**: Sound Exchange (http://sox.sourceforge.net/, no date) |
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| **Source**: http://mobilehtml5.org/ | **Type Of Document**: website - org as author  **Year of publish/update()**: 17 september 2015  ***Title of site***: *Mobile HTML5*  **Available at**: http://mobilehtml5.org/  **(Accessed:)**: 4 November 2015 |
| **Ref**: Mobile HTML5 (2015) *Mobile HTML 5*.Available at: http://mobilehtml5.org/(Accessed: 4 November 2015) |
| **Topic**: mobile html 5 has access to low level features of mobile phones – recording… | **In Text**: HTML 5 (2015) |
| **Summary**: **HTML Media Capture**  [W3C API](http://www.w3.org/TR/html-media-capture/" \t "_blank)  Taking pictures, record video and audio from an input fle type | |
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| **Source**: https://cordova.apache.org// | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *Apache Cordova*  **Available at**: https://cordova.apache.org/  **(Accessed:)**: 4 November 2015 |
| **Ref**: Apache Cordova (2015) *Apache Cordova*.Available at: https://cordova.apache.org/ (Accessed: 4 November 2015) |
| **Topic**: Cordova allows multi-platform hybrid web-app development through a common/wrapper api… | **In Text**: Apache Cordova (2015) |
| **Summary**: cordova api allows multi platform low level development | |
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| **Source**: http://phonegap.com// | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *PhoneGap*  **Available at**: http://phonegap.com//  **(Accessed:)**: 4 November 2015 |
| **Ref**: Adobe PhoneGap (2015) *PhoneGap.*Available at: http://phonegap.com// (Accessed: 4 November 2015) |
| **Topic**: mobile html 5 has access to low level features of mobile phones – recording… | **In Text**: my repository (GitHub, 2015) allows |
| **Summary**: | |
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| **Source**: http://www.surina.net/soundtouch/ | **Type Of Document**: website (no date) |
| **Ref**: *SountdTouch* http://www.surina.net/soundtouch/ (no date)(Accessed: 4 November 2015) |
| **Topic**: SoundTouch Library | **In Text**: (http://www.surina.net/soundtouch/, no date). |
| **Summary**: SoundTouch is an open-source audio processing library for changing the Tempo, Pitch and Playback Rates of audio streams or audio files. The library additionally supports estimating stable beats-per-minute rates for audio tracks. | |
|  | |
| **Source**: https://github.com/ | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *GitHub*  **Available at**: https://github.com/jackholmes1992/ProjectRepo  **(Accessed:)**: 5 November 2015 |
| **Ref**: GitHub, Inc. (2015) *GitHub.*Available at: <https://github.com/> (Accessed: 5 November 2015) |
| **Topic**: github allows staged software development. | **In Text**: GitHub (2015) |
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| **Source**: http://www.kompoz.com/music/home | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *Kompoz*  **Available at**: http://www.kompoz.com/music/home  **(Accessed:)**: 5 November 2015 |
| **Ref**: Kompoz (2015) *kompoz.*Available at: http://www.kompoz.com/music/home (Accessed: 5 November 2015). |
| **Topic**: Kompoz | **In Text**: Kompoz (2015) allows |
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| **Source**: https://splice.com/ | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *Splice*  **Available at**: <https://splice.com/>  **(Accessed:)**: 5 November 2015 |
| **Ref**: Splice.com (2015) *Splice.*Available at: https://splice.com/ (Accessed: 5 November 2015). |
| **Topic**: Splice | **In Text**: Splice (2015) allows |
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| **Source**: http://www.jamly.co/ | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *Jamly*  **Available at**: http://www.jamly.co/  **(Accessed:)**: 5 November 2015 |
| **Ref**: Jamly.co (2015) *Jamly.*Available at: http://www.jamly.co (Accessed: 5 November 2015). |
| **Topic**: Jamly | **In Text**: Jamly (2015) allows |
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| **Source**: https://software.intel.com/en-us/intel-xdk | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *Intel Developer Zone*  **Available at**: https://software.intel.com/en-us/intel-xdk  **(Accessed:)**: 5 November 2015 |
| **Ref**: Intel Corporation (2015) *Intel Developer Zone.*Available at: https://software.intel.com/en-us/intel-xdk (Accessed: 5 November 2015). |
| **Topic**: Intel XDK | **In Text**: Intel XDK (2015) allows |
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| **Source**: http://audacityteam.org/ | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***: *Intel Developer Zone*  **Available at**: http://audacityteam.org/  **(Accessed:)**: 5 November 2015 |
| **Ref**: Audacity (2015) *Audacity.*Available at: http://audacityteam.org/ (Accessed: 5 November 2015). |
| **Topic**: Audacity | **In Text**: Audacity (2015) allows |
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| **Source**: http://www.oracle.com/technetwork/articles/piotrowski-pythoncore-084049.html | **Type Of Document**: website - author  **Year of publish/update()**: 2006  ***Title of site***: *Build a Rapid Web Development Environment for Python Server Pages and Oracle*  **Author**: *Przemyslaw Piotrowski*  **Available at**: http://www.oracle.com/technetwork/articles/piotrowski-pythoncore-084049.html  **(Accessed:)**: 5 November 2015 |
| **Ref**: Piotrowski, P. (2006) *Build a Rapid Web Development Environment for Python Server Pages and Oracle.*Available at: http://www.oracle.com/technetwork/articles/piotrowski-pythoncore-084049.html  (Accessed: 6 November 2015). |
| **Topic**: Python library advantage | **In Text**: The python library’s standard library provides a lot of functionality (*Piotrowski*, 2006). |
| **Summary**: One of Python's greatest strengths is its extensive standard library as it allows you to start developing almost any type of program straight away… | |
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| **Source**: http://www.json.org/ | **Type Of Document**: website – no date |
| **Ref**: *Introducing JSON* http://www.json.org/ (no date)(Accessed: 6 November 2015) |
| **Topic**: JSON compatibility with ‘C’ type languages | **In Text**: The python library’s standard library provides a lot of functionality (*Piotrowski*, 2006). |
| **Summary**: JSON is a text format that is completely language independent but uses conventions that are familiar to programmers of the C-family of languages, including C, C++, C#, Java, JavaScript, Perl, Python, and many others. These properties make JSON an ideal data-interchange language. | |
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| **Source**: http://svnbook.red-bean.com/en/1.6/svn.basic.version-control-basics.html | **Type Of Document**: website - org as author  **Year of publish/update()**: 2015  ***Title of site***:  **Available at**: https://software.intel.com/en-us/intel-xdk  **(Accessed:)**: 5 November 2015 |
| **Ref**: Intel Corporation (2015) *Intel Developer Zone.*Available at: https://software.intel.com/en-us/intel-xdk (Accessed: 5 November 2015). |
| **Topic**: Locking, Merging – Version Control | **In Text**: |
| **Summary**:   * In the end, it all comes down to one critical factor: user communication. When users communicate poorly, both syntactic and semantic conflicts increase. * **When locking is necessary** -But for files with binary formats, such as artwork or sound, it's often impossible to merge conflicting changes. In these situations, it really is necessary for users to take strict turns when changing the file. | |
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| **Source**: https://www.stat.washington.edu/~hoytak/blog/whypython.html | **Type Of Document**: website – no date |
| **Ref**: Koepke, H. (2010)*10 Reasons Python Rocks for Research (And a Few Reasons it Doesn’t).* Available at: https://www.stat.washington.edu/~hoytak/blog/whypython.html (Accessed: 15 November 2015). |
| **Topic**: Why python rocks for research | **In Text**: |
| **Summary**:  -However, as with most high-level languages, you often sacrifice code speed for programming speed. | |
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| **Source**: https://www.python.org/doc/essays/comparisons/ | **Type Of Document**: website – no date |
| **Ref**: *Introducing JSON* http://www.json.org/ (no date)(Accessed: 6 November 2015) |
| **Topic**: Python Comparison with languages | **In Text**: The python library’s standard library provides a lot of functionality (*Piotrowski*, 2006). |
| **Summary**:  Python code is typically 3-5 times shorter than equivalent Java code, it is often 5-10 times shorter than equivalent C++ code! | |

Other:

<http://www.martymodell.com/pgsa2/pgsa20.html>