

Be sure to check out our [Blogs](#) and discover all the new Free Training!



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## Newsletter for Computer IT Education, Training & Tutorial Resources

**\*\*\* ISSUE #56 - June 2006 \*\*\***

<http://www.intelligentedu.com/>

**formerly <http://www.intelinfo.com/>  
Please Update Your Bookmarks & Web Links!**

This Newsletter is only sent to its subscribers and  
is available in July, 2006 on the web at  
<http://www.intelligentedu.com/newsletter56.html>

Newsletter Archives are here:  
<http://www.intelligentedu.com/newsletter.html>

Subscribe and unsubscribe [instructions are at the end.](#)

Please forward this newsletter to all your friends  
and associates who might be interested!

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## **1) Editor's Greeting:**

Hello everyone, and welcome to our new subscribers!

This is the June 2006 issue (#56) of our free monthly newsletter for Computer IT Education, Training, & Tutorial Resources providing you with the latest Free online IT Training Resources that we have recently discovered and researched. This newsletter is free to anyone subscribing ([instructions](#) at bottom, no username/password is needed). To access our member site, however, you do need a user name and password - registering as a member of [Intelligentedu.com](#) costs \$15 for two months, for more information please see [Become a Member of Intelligentedu.com](#).

My desire is that these free resources will help you with your computer education and training and are tools to advance your IT career. Our main mission is the training of those less fortunate who are seeking to become computer literate, both technically and from a user's perspective.

In this issue we describe and link to a total of 92 computer, IT and programming learning and tutorial web sites. By means of this email newsletter, you have

knowledge of and access to these sites before our web site visitors do.

**\*\*\*Current News \*\*\***

Please take a look at our [Blogs](#), We post on a daily basis to these blogs all **New Free Training and Tutorial Resources**, as we discover and evaluate them, here are the links:

[Best New Free Technical Computer and Development Training Sites](#)

[Free Computer, Technical, and IT Books](#)

[Our 3 Blogs for EducationOnlineForComputers.com](#)

- [Web Development](#) - [Adobe & Macromedia](#) - [Microsoft Office Applications](#)

To get your [Free Computer Training](#) updates via RSS, please cut and paste this urls into your RSS reader:

<http://www.intelligentedu.com/blogs/feed/>

**Please Visit Our New [Free Training & Tutorial Search Engine](#)** - this new website at [www.EdComp.com](http://www.EdComp.com) is a search engine with a large database of over 150,000 free IT education and training web resources, with another 70,000 free resources reserved exclusively for paid members. If you're an Intelligentedu.com Member, go to [members.Edcomp.com](http://members.Edcomp.com) to access the special members' page for searching over 220,000 free training web resources.

All of the links for these 220,000 free web resources have been validated, so you should not get any broken ones. We are also caching all previous results pages to help you find all the free training content and materials you need and are looking for. So check out our new free IT training search engine now, and if you'd like to, please provide me your feedback. Again, the url is: <http://www.edcomp.com/>.  
Thank you.

For your convenience, this newsletter is also available to subscribers in HTML format at this special url: [http://www.intelligentedu.com/current\\_news.html](http://www.intelligentedu.com/current_news.html)

I wish you the best with your computer studies and learning.

Warm Regards,  
Scott Turton  
Newsletter Editor and Webmaster  
[scott\\_turton@intelligentedu.com](mailto:scott_turton@intelligentedu.com)  
<http://www.intelligentedu.com/>

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**"Learn New Skills and Increase Your Earning Power  
- With Free Online Computer Training!"**

\*\*\* [Become a Member of Intelligentedu.com](http://www.intelligentedu.com) \*\*\*

Our Members' Site contains the web's best computer and IT training resources and tutorials. This content is individually linked and presented in a way to expedite and facilitate your IT learning experience. We have done all the web research and presentation work for you so you can concentrate solely on your computer training. For short FAQ Answers, please see the end of this newsletter.

The total price to join as a member is only \$15.00 total for 2 months, \$25 for 4 months, \$34 for 6 months, or \$59 for a whole year. The funds generated will assist us to help all those seeking IT education and application development training. Here's the link to see what's available on our member's site and to sign up:  
<http://www.intelligentedu.com/sign-up/index.html>.

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**EdComp.com:**  
<http://www.edcomp.com/>

This is our new free computer and IT education and training search engine

housing over 220,000 free training internet resources! Just type in a topic you're looking for and get tons of great web resources instantly. These search results are much better than the big search engines, like google. You can also check out our predefined search results page giving you tons of free training resources:  
<http://www.edcomp.com/predefined.htm>.

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**EducationOnlineForComputers.com:**

<http://www.educationonlineforcomputers.com>

Our new software application and office training and tutorial site, EducationOnlineForComputers.com, is now up and running. We give you Free access to hundreds of Free Training and Tutorials covering Microsoft Office, Flash, Photoshop, Dreamweaver and FrontPage. We also provide you a member site for the best available online software application training. You can sign up for the Free Newsletter here:

[http://www.educationonlineforcomputers.com/optin\\_newsletter.html](http://www.educationonlineforcomputers.com/optin_newsletter.html)

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**-> Here are Your 3 Rewards for Subscribing to this Newsletter <-**

**\*\*\* Free Online IT Training Materials for Subscribers \*\*\***

This section of our site contains over 2,000 free IT, computer and programming training resource links:

[http://www.intelligentedu.com/free\\_it\\_training\\_materials\\_and\\_books.html](http://www.intelligentedu.com/free_it_training_materials_and_books.html)

**\*\*\* Free Online Computer Training and Tutorial Resources \*\*\***

Containing over 8,000 free IT training and tutorial resources, this section of our site is available only to our newsletter subscribers and web site members:

[http://www.intelligentedu.com/newly\\_researched\\_free\\_training.html](http://www.intelligentedu.com/newly_researched_free_training.html)

**\*\*\* Free e-Book: "Understanding Computer Security" \*\*\***

Our new e-book contains the best information from U.S. government agency computer security papers and guides and presents it in a coherent and understandable manner. My hope is that this e-book will make computer security easier to learn. Click here to receive your Free Copy:

[http://www.intelligentedu.com/Understanding\\_Computer\\_Security.zip](http://www.intelligentedu.com/Understanding_Computer_Security.zip) (553 kb).

When unzipped it is a windows executable.

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## 2) The Best New Free I.T. Training & Tutorial Sites:

This section of our newsletter contains the best new free IT training and tutorial sites that we have found and researched in the last few weeks. These resources will be added to our Free IT Training & Courses page at <http://www.intelligentedu.com/cat1.html>, our Free IT Tutorials and Guides page at <http://www.intelligentedu.com/cat2.html>, or to our [members' site](#).

### **EdComp.com:**

<http://www.edcomp.com/>

This is our new Free computer and IT education, training and tutorial search engine housing over 150,000 free training internet resources! Just type in a topic you're looking for and get tons of great web resources instantly. We believe these results are better than the big search engines, like google.

You can start searching right now using this form:

Here are a few search results to get you started:

#### **Web Development:**

<http://www.edcomp.com/results/web+programming.html>

<http://www.edcomp.com/results/web+development+tutorial.html>

<http://www.edcomp.com/results/web+tutorial.html>

<http://www.edcomp.com/results/css.html>

### **Java Learning Resources:**

<http://www.edcomp.com/results/java+tutorial.html>

<http://www.edcomp.com/results/java+2.html>

<http://www.edcomp.com/results/java+servlets.html>

<http://www.edcomp.com/results/j2ee+tutorial.html>

### **Linux Tutorials:**

<http://www.edcomp.com/results/linux.html>

<http://www.edcomp.com/results/linux+tutorials.html>

<http://www.edcomp.com/results/linux+programming.html>

<http://www.edcomp.com/results/linux+.html>

### **XML Tutorials:**

<http://www.edcomp.com/results/xml.html>

<http://www.edcomp.com/results/xml+tutorials.html>

<http://www.edcomp.com/results/xslt.html>

<http://www.edcomp.com/results/xsl+tutorial.html>

<http://www.edcomp.com/results/xpath.html>

### **C++ Tutorials:**

<http://www.edcomp.com/results/c++-tutorials.html>

<http://www.edcomp.com/results/c++.html>

<http://www.edcomp.com/results/c++-programming.html>

### **A+ Tutorials and free practice questions:**

<http://www.edcomp.com/results/a+.html>

<http://www.edcomp.com/results/comptia+a+.html>

<http://www.edcomp.com/results/comptia+a+-study+guides.html>

<http://www.edcomp.com/results/a+-tutorials.html>

### **iNet+ Tutorials:**

<http://www.edcomp.com/results/inet+.html>

<http://www.edcomp.com/results/i-net+.html>

### **Network+ Tutorials:**

<http://www.edcomp.com/results/network+.html>

**MCSE preparation:**

<http://www.edcomp.com/results/mcse.html>

<http://www.edcomp.com/results/70-290.html>

<http://www.edcomp.com/results/70-291.html>

<http://www.edcomp.com/results/70-293.html>

<http://www.edcomp.com/results/70-294.html>

<http://www.edcomp.com/results/70-296.html>

<http://www.edcomp.com/results/70-297.html>

**.Net:**

<http://www.edcomp.com/results/dotnet.html>

<http://www.edcomp.com/results/dot-net.html>

<http://www.edcomp.com/results/dotnet+tutorials.html>

**C#:**

<http://www.edcomp.com/results/c#.html>

<http://www.edcomp.com/results/csharp.html>

<http://www.edcomp.com/results/c#+tutorial.html>

<http://www.edcomp.com/results/csharp+tutorial.html>

**Windows 2003:**

<http://www.edcomp.com/results/windows+2003.html>

<http://www.edcomp.com/results/windows+server+2003.html>

**Intelligentedu.com paid Member-only search with 70,000 more free resources:**

<http://members.edcomp.com/index.aspx>

If you forgot your password please go here to retrieve it:

<http://www.intelligentedu.com/amember/member.php>

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**[TrainingByEmail](#)**

Visit [TrainingByEmail](#) to receive **Free Training for C#, ASP.Net, SQL, Word,**



**Excel, and Outlook**, via your email every week! We will send out a new training in the topic of your choosing every week. You can then save this, print it out, or delete it all at your convenience. And you can't beat the price, FREE!

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### **[Intelligentedu Online Library of Training Courses](#)**

This is another one of our new Free training and tutorial sites, providing over 450 free online IT tutorials. Tutorials range from entry level training on using word processors through to advanced techniques in programming, web development, database design, and network routing. In-depth courses are also available at low cost.

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### **Free AJAX Coding and Environment Setup Training**

This is a case study from PackIt Publishing that teaches and demonstrates how to develop an Ajax web application, along with setting up the computing environment needed for it. Another guide is offered that suggests programming and debugging tools for Ajax and PHP.

### **[AJAX Whiteboard Mini-Book](#)**

This is a case study in Ajax web application development offered for free. It teaches you how to implement efficient client-server communications for an application that requires heavy realtime communication. The JavaScript/DOM drawing is interesting and instructive as well. The application is an online whiteboard where your visitors can draw and publicly express their artistic skills. (28 pages, pdf format)

### **[Preparing Your Working Environment](#)**

This guides you to installing and configuring Apache, PHP, MySQL, and how to prepare the database used. You will need this understanding when you read through and implement the Ajax Whiteboard case study. (12 pages, pdf format)

### [Writing Better Code Using Smarter Tools](#)

This introduces you to a number of tools that can make your AJAX and PHP programming and debugging life easier. (10 pages, pdf format)

### [Advanced XML: XPath and XSLT](#)

This quickly introduces you XSLT and XPath, as these technologies are used in some of the book's case studies. (14 pages, pdf format)

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## **3 Ruby On Rails Tutorials**

If you've been thinking of learning more about Ruby on Rails, here are three excellent tutorials to get you started. Ruby on Rails has been characterized as a possible historic tipping point in development environments. This is a productive new way to develop web applications. These tutorial articles step through the development of a web application using Rails. Ruby is a pure object-oriented programming language with a super clean syntax that makes programming elegant and fun. Rails is an open source Ruby framework for developing database-backed web applications. It's been stated that you can develop a web application at least ten times faster with Rails than you could with a typical Java framework.

### [Rolling with Ruby on Rails](#)

What is Ruby?  
What is Rails?  
Installing the Software

## Let's Write Code

Creating an Empty Rails Web Application

Testing the Empty Web Application

A Rails Application's Directory Structure

Controllers and URLs

Creating the Cookbook Database

### [Page 3](#)

Creating the recipes Table

Adding Recipe Fields

Create the Model

### [Page 4](#)

Creating Actions and Views

Adding Categories to the Cookbook

### [Page 5](#)

Assigning a Category to Each Recipe

Displaying Categories in our List of All Recipes

Parting Thoughts

Readers' Comments

## [Rolling with Ruby on Rails, Part 2](#)

Updating Ruby on Rails

MySQL security update

New scaffold feature

Completing the Recipe Application

Creating a new recipe with a category

### [Page 2](#)

Deleting a recipe

Using layouts

### [Page 3](#)

Showing recipes in a category

What is it? How long did it take?

Ruby on Rails Success Stories

What does this all mean?

A Smattering of Ruby on Rails' Features

## [Really Getting Started in Rails](#)

This Ruby on Rails tutorial goes a little deeper and explains some of the details left out of the above two tutorials, such as some of the syntax and why things are done they way they are.

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## [Developing PHP the Ajax Way, Part 1: Getting Started](#)

Asynchronous JavaScript and XML (Ajax), has become the most popular new Web development technology. This is the first of a new two-part "[Developing PHP the Ajax way](#)" series (2nd part is not posted yet). In this Ajax tutorial and coding demonstration, you'll develop an online Web photo album application using PHP and the Simple Ajax Toolkit (Sajax). It starts by coding a simple photo album app using the usual method of PHP programming, to which Sajax is then applied and used to create it into an active Web application.

Here are some more resources from IBM with which you can learn more about how to use PHP, Ajax, and related web development technologies:

- PHP can be installed with built-in GD support. GD can be used, for example, to generate photo thumbnails. For more information, read the developerWorks article "[Create graphics the smart way with PHP.](#)"
  - Read the five-part "[Mastering Ajax](#)" series on developerWorks for a comprehensive overview of Ajax.
  - Start with the "[Considering Ajax](#)" series to learn what developers need to know before using Ajax techniques when creating a Web site.
  - If you aren't familiar with Ajax or Sajax, read "[Using Ajax with PHP and Sajax.](#)"
  - Be sure to check out "[Reading and writing the XML DOM with PHP.](#)"
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## **[Best 27 Eclipse Tutorials by IBM](#)**

Eclipse is an open source platform-independent [software framework](#) that is focused on providing an extensible development platform and application frameworks for building software. It delivers 'rich-client applications', as opposed to 'thin client' browser-based applications. So far this framework has typically been used to develop IDEs ([Integrated Development Environments](#)), such as the [Java](#) IDE called *Java Development Toolkit (JDT)* and compiler that comes as part of Eclipse

After researching all of the Eclipse tutorials on IBM's website, I have compiled what I believe are the best 27 Eclipse Tutorials on their site. Here they are with linked titles and descriptions.

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### **Digging Deep into Python Internals**

Python, the open source scripting language, has grown tremendously popular in the last five years. Python boasts a sophisticated object model that wise developers can exploit in ways that Java, C++, and C# developers can only dream of. These two tutorial articles describe and teach the internals of coding in Python using some of its advances and cutting-edge features.

#### **[Dig Deep into Python Internals - Part 1](#)**

This tutorial article is the first in a two-part series that digs deep to explore the fascinating new-style Python object model, which was introduced in Python 2.2 and improved in 2.3 and 2.4. The object model and type system are very dynamic and allow quite a few interesting tricks. This tutorial describes the object, model, and type system; explores various entities; explains the life cycle of an object; and introduces some of the ways to modify and customize almost everything you thought immutable at runtime.

#### **[Dig Deep into Python Internals - Part 2](#)**

In this tutorial article the author, Gigi Sayfan, contrasts meta-classes with

decorators, explores the Python execution model and explains how to examine stack frames at runtime. Finally, he demonstrates how to augment the Python language itself using these techniques. A private access-checking feature that can be enforced at runtime is introduced to accomplish this.

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## **[Web Development Articles Library](#)**

The Bontrager Connection hosts several good tutorials and articles to help you build better and more effective and secure web sites. Some of the topics covered are HTML, CGI, JavaScript, CSS, Forms, Payment Gateways, RSS, Blogs, and Syndication.

» **[CGI](#)**

» **[JavaScript](#)**

» **[Tutorials](#)**

» **[Web Development Articles](#)**

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## **[Web Development Tutorials and Articles from Projectseven.com](#)**

Here are several excellent tutorials and articles using CSS (Cascading Style Sheets) and in some cases, free Dreamweaver and Fireworks customizations, to make some very interesting web site usability and graphics features.

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**Web Publishing and HTML Coding Tutorials**The Web Publishing Series and HTML Coding Tutorials from the University of Wisconsin-Eau Claire provide you a great collection of free training guides to help you understand how to create and develop web pages and web sites.

### [Overview of Web Publishing](#)

### [HTML Coding Tutorials](#)

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**[Max Design's CSS Tutorials and Presentations](#)**Max Design offers several excellent CSS resources and tutorials for web designers and web developers. Their tutorials, articles and presentations cover CSS, accessibility and web standards. Topics include CSS page layout tutorials, CSS layout samples, liquid layouts, styling lists, definition lists, centering with CSS, source order, skip links, web standards checklists.

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### [Free Cisco and CCNP Training Slides](#)

Here are some excellent, well explained and illustrated training slides by Cisco for learning and understanding their networking and CCNP technologies. These will definitely help you study for and pass the Cisco certification exams. Areas covered are BCMSN, BSClv1, BSClv2, BCRAN, and CIT4.1 . (Powerpoint format.)

#### [BCMSN - 11 sets of slides](#)

#### [BSClv1 - 12 sets of slides](#)

#### [BSClv2 - 13 sets of slides](#)

[BCRAN - 15 sets of slides](#)

[CIT 4.1 - 13 sets of slides](#)

[New CIT - 14 sets of slides](#)

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### [.NET Reference Guide](#)

Informit.cm's .Net Reference Guide offers you many tutorials and articles covering Microsoft's .NET Framework and its technologies. Study and learn how to program applications using the .NET Framework (dotNet Framework), Class Library, Visual Studio .NET, C#, ASP.NET, C#, Visual Basic .NET (VB .NET), ASP.NET, XML Web Services, ADO.NET, XML.NET, Windows Forms, and much more. Also, browse their [articles](#) repository, with topics including ADO.NET, ASP.NET, and VB.NET.

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### **3) New Free Computer IT Books, Publications & Book Sites:**

Some of these web resources will be added to our Free IT Books page at [http://www.intelligentedu.com/free\\_computer\\_books.html](http://www.intelligentedu.com/free_computer_books.html) and some will be added to our [members site](#).



## [Over 70 freely available I.T. and Programming Ebooks](#)

This site hosts over 70 freely available I.T. and Programming Ebooks in many areas, from Java to C#, from Linux to Windows. Here are some of the subjects and topics covered by these ebooks:

- Ajax In Action
- Hacker Disassembling Uncovered
- The Pragmatic Programmer
- C++ Network Programming,
- Advanced Perl Programming
- Cisco Networking Academy Program - CCNA 1 and 2 Companion Guide
- Penetration Testing and Network Defense
- Compilers Principles Techniques And Tools
- Cryptography, Theory And Practice
- Data Compression Reference
- Design Patterns - Reusable Object Oriented Software
- File System Forensic Analysis
- Game Development with Actionscript
- Graphics Programming with Perl
- Applied Cryptography
- How Debuggers Work
- Inside MS Windows 2000
- Tricks of the Java Programming Gurus
- Java Cookbook
- Linux System Administration Guide
- Malicious Cryptography - Exposing Cryptovirology
- Malware - Fighting Malicious Code
- Mastering Borland Delphi 6
- Memory Guide
- Optimizing Compilers for Modern Architectures
- Overclocking
- Python In A Nutshell
- Retro Gaming Hacks
- BSD Hacks
- OpenGL Programming Guide
- OpenGL SuperBible Third Edition
- Operating Systems - Design and Implementation
- Programming C++
- Programming from the Ground up
- Programming the MS Windows Driver Model
- Programming Role-playing Games With DirectX

- Reversing Secrets of Reverse Engineering
- Unix Shell Programming
- Secure Coding Principles and Practices
- Teach Yourself ActiveX In 21 Days
- Teach Yourself Borland Delphi In 21 Days
- The Art Of Computer Programming
- The Art Of Computer Virus Research And Defense
- The C Programming Language
- The OpenGL SuperBible
- The Linux Kernel
- The Art of Exploitation
- The C++ Programming Language
- The Secrets of Wireless Hacking
- Windows Forensics and Incident Recovery
- Introduction to 3D Game Programming With DirectX 9 0
- Professional Assembly Language
- Zen of Graphics Programming Second Ed
- Beginning Direct3D Game Programming, 2nd Edition
- Game Programming with Python, Lua, and Ruby
- Tricks of the Windows Game Programming Gurus
- Tricks of the 3D Game Programming Gurus
- Beginning Math and Physics for Game Programmers
- Windows Scripting Guide
- Debugging Applications
- Network Programming for Microsoft Windows
- Microsoft Windows Internals
- Programming Applications for Microsoft Windows
- Programming Windows
- Visual C++ Windows Shell Programming
- Windows Assembly Language and Systems Programming
- Programming Microsoft Windows with C Sharp (C#)

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### [Free Ebooks Center Post with 7 Freely Available Ebooks](#)

Here is a post on Free Ebooks Center containing links to 7 freely available ebooks covering the following subjects: **SQL Server 2005, Quality of Service in LANs, WANs, and VPNs, Network Wiring, WiFi, Vbscript Programming, and**

**Enterprise Resource Planning.** To access the download links on rapidshare.de, click on the Free button near the bottom of the rapidshare page, wait about 30 seconds, then enter the 3 character code and click on the download button. To uncompress .rar files you can use [7-Zip](#).

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## **Free C and C++ Programming Books from Wikibooks**

Here are two free online programming books: one teaches you C++ programming and the other covers C Programming. These are compliments of wikibooks.org, are written by this site's community, and they accept experts in these subjects as authors to write and edit these books.

### **[C Programming Wikibook](#)**

This book covers the essential features of the C language

### **[C++ Programming Wikibook](#)**

This book covers the essential features of the C++ language and its standard library (STL). It also provides a survey of important concepts, software design, and design patterns, but as a stepping stone for the reader or as an introduction to more advanced C++ concepts. Its primary objective is to provide an appropriate book for an introduction course on the C++ programming language and its computer science concepts or related applications.

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## **[Oracle Documentation Library and I.T. Books](#)**

Here are documentation libraries for all current versions of the Oracle database and application server. These include many information guides and free books on these technologies. Also included on this site are freely available I.T. books in these areas: Oracle PL/SQL Programming, Networking, TCP/IP Network

Administration, Unix, HTML, CGI Programming, JavaScript, Perl, Webmaster, and Java Programming.

[Oracle Documentation Library 10.2.0](#)

[Oracle Documentation Library 10.1.0](#)

[Oracle Documentation Library 9.2.0](#)

[Oracle Documentation Library 9.0.1](#)

[Oracle Documentation Library 8.1.7](#)

[Oracle8i Release 2 \(8.1.6\) for Sun SPARC Solaris](#)

[Oracle Application Server 10g Release 1 \(9.0.4\) Documentation Library](#)

[Oracle Application Server 10g Release 2 \(10.1.2\) Documentation Library](#)

[Oracle Application Server 10g Release 2 \(10.1.2\) for Sun SPARC Solaris](#)

[Oracle HTML DB 2.0 Documentation](#)

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## [Cisco Books and Networking Resources Web Site](#)

This site is dedicated to providing information and resources related to research in the field of Networking, Data Communication, and Cisco technologies. Freely available books on Cisco topics include CCIE, CCNP, CCNA, Cisco IP Telephony, CCSP, Network Security, PIX Firewall, IP Subnetting, and Wireless Area Networking.

## **Free Linux Four Volume Book**

The Computer Technology Documentation Project hosts the online version of four volumes of Agustin Velasco's Series about Linux. Agustin has generously made this four volume book, with over 200 pages of Linux documentation, freely available to the public through this site. The book is centered on Mandrake Linux, however, the content is worthwhile for all Linux versions. The book provides many screen shots that assist the reader to follow its step-by-step tutorials.

[Agustin's Linux Manual - Vol. 1](#)

[Agustin's Linux Manual - Vol. 2](#)

[Agustin's Linux Manual - Vol. 3](#)

[Agustin's Linux Manual - Vol. 4](#)

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## [The .NET Developer's Guide to Windows Security](#)

This free book, The .NET Developer's Guide to Windows Security, was written for the many thousands of people involved in designing and writing software for the Microsoft .NET platform. It is chock-full of tips and insights about user-based security. The format of this book consists of 75 concise tidbits of helpful reference information. The “what is” items focus on explaining concepts, and the “how to” items focus on helping you perform a common task. Code samples can be downloaded [here](#).

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## **Sams Teach Yourself Visual Studio .NET 2003 in 21 Days**

This free online book, Sams Teach Yourself Visual Studio .NET in 21 Days, will help developers that are new to application development and experienced developers understand how to use the .NET Framework and Visual Studio .NET to rapidly develop any type of computer application. By going through these lessons, you'll learn about the key components that make up Visual Studio .NET and the .NET Framework. This book will teach you how to start writing .Net (dotNet) applications immediately. Throughout the book, all the code examples are in both Visual Basic .NET and C# (C Sharp), so if you have a preference for one language, you can implement any of the code immediately.

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## **4) University Computer Science Course Sites Free to Browse and Study:**

These web sites will be added to our Free University IT Course Webs page at <http://www.intelligentedu.com/cat3.html>

## **Slides and Tutorials on Software Engineering, UML, and Java**

Here are excellent slides, notes, and tutorials from a software engineering course at the School of Computing at Dublin Institute of Technology. The topics covering include software process models, requirements, design principles, process maturity, CMM, design patterns, UML, Rational Rose, and introduction to programming in Java.

## **Software Engineering**

## Slides based on book by Ian Sommerville

- chap 1: [Introduction](#)
- chap 3: [Software Process Models](#)
- chap 5: [Software Requirements](#)
- Discussion on Z: [Software Specification using Z](#)
- chap 7: [System Models](#)

## [Design Principles](#)

### Process Maturity & CMM

- chap 2 from Pressman: [Process and CMM](#)
- comparison of [CMM and ISO](#)
- chap 25: [Process Improvement](#)

### Design Patterns

- [More on OO Concepts](#)
- [Composite](#)
- [Adapter](#)
- [Iterator](#)

## UML

### UML Distilled, main points from chapters:

- ch02 - [Outline of a development process](#)
- ch03 - [Use cases](#)
- ch04 - [Class diagrams](#)
- ch05 - [Interaction Diagrams](#)
- ch06 - [Advanced Class Diagrams](#)

[ATM Example](#) from Use Case Driven Development Chapter

## [UML and Rational Rose](#)

## Tutorial Examples and Exercises

1. [Constructing a simple UML class in Rose](#)
2. [Constructing an Activity Diagram in Rose](#), Library Business Model
3. [Some Library UML Diagrams](#)
4. [Constructing Use Case, Class and Sequence Diagrams](#) for the library example
5. [Generating Java code from a simple Rose model](#)
6. [Reverse Engineering from Java to UML](#), tutorial example. [Java source code](#)
7. [Exercises](#) in Reverse and Forward Engineering in Rose

## Rational Rose Tutorial

This tutorial is very comprehensive and it is best to first familiarise yourself with Rose via the above exercises/tutorials. The tutorial takes you through the various stages from business modelling to design and coding. It comes as a self-extracting archive.

## Computer Science 4 example - RUP approach

- [Java Code](#)
- [Exercisees](#)
- [Rose Model for exercises](#)

## Java Programs and Exercises

- [Getting Started](#)
- **Objects and Classes:** [programs](#) (in zip file), [programs and how to compile and run](#) in word doc, [exercises](#), [solutions](#)
- **Inheritance:** [programs](#), [exercises](#)
- **Interfaces and Abstract Classes:** [programs](#)
- [Simple Exception Handling](#)
- **Introduction to GUI programming, AWT and Swing:**



- [programs in word doc](#)
  - [programs zipped](#)
  - [awt and swing class diagrams](#)
  - [exercises](#)
- 
- [Concurrency and Multithreading in Java, programs](#)
  - [Java Collection Framework](#)

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**5) The Best Suggested Sites from our Website Users** - Every month we feature the best suggested IT training and tutorial sites from our website visitors. Here are this month's sites:

### [Theexamking.com](#)

Theexamking provides free ebooks, study guides, and downloads for studying and preparing for many IT Certification Exams, including [Redhat Linux](#), [Microsoft](#), [CompTIA](#), [Oracle](#), and [Cisco](#). The following exams are covered: RHCE, RHCA, RHCSS, LPI, MCSE, MCSD, MCP, MCSA, A+, Network+, CCNA, CCNP, CCIE, CISSP, and OCP. Theexamking.com also provides forums, where users can post their problem, queries, answers, and views.

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### [Chmpdf.com](#)

Chmpdf.com offers free computer ebooks in chm and pdf formats for many

technical topics and subjects. You will need to [register for free](#). Here is the [full collection achive](#). Subjects covered include the following: Linux, Windows, Ajax, Java, J2EE, .Net (dotNet) Framework, C#, Visual Basic .Net, ASP.Net, UML, Security, Networking, Algorithms, Web Development, PHP, Extreme Programming, Oracle, SQL Server, MySQL, Flash, Wireless Applications, and Cisco (CCNA, CCNP, CCIE).

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## **6) New Computer & IT Training & Tutorial Link & Resource Sites:**

These web sites will be added to our IT Links and Resources page at <http://www.intelligentedu.com/cat6.html>

### **Great Google search for Free Certification Study Guides**

Here is an excellent google search for freely available [Certification Study Guides](#) (in pdf format).

Here are some sub-searches to this search, adding a subject keyword:

- [Linux Certification Study Guides](#)
- [MCSE Certification Study Guides](#)
- [MCSD Certification Study Guides](#)
- [Oracle Certification Study Guides](#)
- [Cisco Certification Study Guides](#)
- [CompTIA Certification Study Guides](#)

## 7) I.T. Sites and Free Downloads Worth Mentioning:

### [OpenLaszlo](#)

[OpenLaszlo](#) is a very programmer-friendly way of creating Flash-based applications. This free application is billed as the premier open-source platform for rich internet applications. Basically, it is an open source platform for creating zero-install web applications with the user interface capabilities of desktop client software.

OpenLaszlo programs are written in XML and JavaScript and transparently compiled to Flash and soon DHTML. The OpenLaszlo APIs provide animation, layout, data binding, server communication, and declarative UI. An OpenLaszlo application developed on one machine will run on all leading Web browsers on all leading desktop operating systems.

On the [documentation page](#), you'll find the developer documentation for OpenLaszlo as well as collateral materials about the platform.

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### [ICB: the Internet Connection Benchmark \(freeware version\)](#)

This free program helps you measure your ISP's performance by analyzing Internet connection speed/bandwidth between your machine and one of several Web servers. It displays the results in an attractive "cockpit style" user interface.

### **[PGPfreeware v6.5.8](#)**

The Windows version of Phil Zimmerman's original and popular encryption utility Pretty Good Privacy (PGP). You can encrypt, sign and wipe files from anywhere in Windows by simply right-clicking on a file. You can also encrypt files or folders into Self-Decrypting Archives (SDAs) that are usable for those without PGP. For e-mail integration, a plug-in for Eudora is included as well as one for Microsoft Exchange and Outlook.

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### **[Applet FX Freeware Edition v1.1](#)**

This is a collection of 20 high-quality Java effects for your Web site. There are applets for creating menus, presenting text, displaying images, creating fancy titles, adding special effects, playing random sounds, scrolling, and displaying messages.

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### **[Advanced Effect Maker Freeware Edition 1.5](#)**

Create Flash and JavaScript effects such as slide shows, messengers, scrollers, games, and web navigation menus with the click of a button. You can have a fully customized web effect ready in less than 4 minutes. Contains 17 freeware effects.

## **8) Question of the Month about Technical Training:**

Each month Scott Turton will answer a current or important question that we have received about computer and IT training and career development.

### **June 2006 Question of the Month:**

Whats the best, free method I can create and write PDF files in Windows?

### **Answer:**

[PDFCreator](#) a free tool you can use to easily creates PDFs from any Windows program. Use it like a printer in Word, PowerPoint, or any other Windows application. With the PDFCreator Printer driver you turn any program into a PDF-machine. PDFCreator also offers multilingual support. Here is the [download page](#).

I hope this help you.

Scott Turton  
Site Editor  
<http://www.intelligentedu.com>

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## **9) Please Support Our Training Mission**

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**Computer Education, Training, & Tutorial Resources**

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A free and member-based I.T. educational and training portal web site. We have compiled, categorized, described, and linked many, many sites that will be of keen interest to computer science students and instructors and others seeking free training and knowledge about computers. All areas are covered, from programming to systems administration to networking to the internet. You are able to study and learn all about computers and I.T. via Free training, courses, tutorials, books, guides, documentation, articles, tips, notes, and help. Also offered are free technical training tutorials co-branded with [Freeskills.com/](http://www.freeskills.com/). Check us out today.

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**\*\*\* Intelligentedu.com's Member Site \*\*\***

<http://www.intelligentedu.com/sign-up/index.html>

Our Members' Site contains the web's best computer and IT training resources and tutorials. This content is individually linked and presented in a way to expedite and facilitate your IT learning experience. We have done all the web research and presentation work for you so you can concentrate solely on your computer training.

Intelligentedu.com Member Site FAQ Answers:

1. Over half of the web sites and pages in our members site are not in the free section of our web site. The online training resources in our members' site are linked and laid out in a much more detailed fashion than those in the free section. This will save you time in finding all the best free training on the web.
2. If you use a credit card when joining, you may choose to be billed by PayPal, or you may purchase from 2checkout.com, our authorized retailer, whichever you choose.
3. You have a choice to select the non-recurring or recurring method of payment. If you select non-recurring, when your membership period expires, you will not be automatically charged another fee on your credit card or check.
4. If you are looking for training and tutorials covering popular software such as Microsoft Office, Flash, Photoshop, Dreamweaver, Web Development, Windows and Computer Hardware, please see our sister site, <http://www.EducationOnlineForComputers.com>

The total price to join our member's site is only \$15.00 total for 2 months, \$25 for 4 months, \$34 for 6 months, or \$59 for a whole year. The funds generated will assist us to help all those seeking IT education and application development training.

Here's the link to see what's available on our member's site and to sign up:  
<<http://www.intelligentedu.com/sign-up/index.html>>. You can email Scott Turton with questions at [scott\\_turton@intelligentedu.com](mailto:scott_turton@intelligentedu.com).

I will give you 8 great Free Bonuses when you sign up now. These are as follows:

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6. 12 Great Web Resources for Learning the Best Methods to Study and Take Tests
7. Six Great e-Books (a \$120 value) to help you Make Money using the Internet
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Thank You!



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