

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 #57 - July 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/newsletter57.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 July 2006 issue (#57) 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 101 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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### [Top 20 Training and Tutorials Sites on Digg.com for last month](#)

Here are what I am judging to be the best free training and tutorial sites at digg.com for the last month or so. I have compiled these here so you can see the type of content that we esteem to be valuable here at intelligentedu.com. These cover a variety of subjects and areas, including web development, Ajax, Javascript, CSS, PHP, Firefox extensions, C#, MySQL, Rails, Ruby on Rails, and free programming books.

- [15 Exercises for Learning a new Programming Language](#)
- [AJAX Feedback Mechanism](#)
- [PHP - Top Ten Security Vulnerabilities](#)
- [Converting Windows executables to Mac OS X or Linux binaries](#)
- [How to Write FireFox Extensions](#)
- [Compilr - Compile C, C#, VB, and Fortran programs online](#)
- [5 Worthy CSS Tips](#)

- [Learn How to Create a Keygen](#)
  - [Configuring Rails Environments: The Cheat Sheet](#)
  - [Password hashing using PHP and MySQL](#)
  - [The Windows XP Command Line, Batch Files, and Scripting](#)
  - [100+ powerpoint presentations on improving your PHP skills](#)
  - [What's The Secret Sauce in Ruby on Rails?](#)
  - [Build RSS reader using AJAX and PHP](#)
  - [Learn CSS](#)
  - [Simple JavaScript Debugging](#)
  - [Cut through AJAX hype](#)
  - [C# FAQ for C++ programmers](#)
  - [Collection of AJAX Tutorials](#)
  - [195 Free Online Programming Books](#)
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## **58 Developer's Cheatsheets**

This post is inspired from [Cheet Sheet Roundup](#). It compiles all of the best cheat sheets linked there, including those in the comments and some of mine own, and puts them all here at your fingertips. Use these Quick References and Cheat Sheets to print, post on your wall, or bookmark for quick reference.

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## **Mastering Ajax - 5 Part Tutorial from IBM**

Here are 5 excellent Ajax tutorials from IBM that will teach you how to code using this important web development technology.

### **Mastering Ajax, Part 1: Introduction to Ajax**

**Ajax**, which consists of HTML, JavaScript, DHTML, and DOM, is an outstanding

approach that helps you transform clunky Web interfaces into interactive **Ajax** applications. The author, an **Ajax** expert, demonstrates how these technologies work together -- from an overview to a detailed look -- to make extremely efficient Web development an easy reality. He also unveils the central concepts of **Ajax**, including the XMLHttpRequest object.

### [Mastering Ajax, Part 2: Make asynchronous requests with JavaScript and Ajax](#)

Most Web applications use a request/response model that gets an entire HTML page from the server. The result is a back-and-forth that usually involves clicking a button, waiting for the server, clicking another button, and then waiting some more. With **Ajax** and the XMLHttpRequest object, you can use a request/response model that never leaves users waiting for a server to respond. In this article, Brett McLaughlin shows you how to create XMLHttpRequest instances in a cross-browser way, construct and send requests, and respond to the server.

### [Mastering Ajax, Part 3: Advanced requests and responses in Ajax](#)

For many Web developers, making simple requests and receiving simple responses is all they'll ever need, but for developers who want to master **Ajax**, a complete understanding of HTTP status codes, ready states, and the XMLHttpRequest object is required. In this article, Brett McLaughlin will show you the different status codes and demonstrate how browsers handle each and he will showcase the lesser-used HTTP requests that you can make with **Ajax**.

### [Mastering Ajax, Part 4: Exploiting DOM for Web response](#)

The great divide between programmers (who work with back-end applications) and Web programmers (who spend their time writing HTML, CSS, and JavaScript) is long standing. However, the Document Object Model (DOM) bridges the chasm and makes working with both XML on the back end and HTML on the front end possible and an effective tool. In this article, Brett McLaughlin introduces the Document Object Model, explains its use in Web pages, and starts to explore its usage from JavaScript.

### [Mastering Ajax, Part 5: Manipulate the DOM](#)

Last month Brett introduced the Document Object Model, whose elements work behind the scenes to define your Web pages. This month he dives even deeper into the DOM. Learn how to create, remove, and change the parts of a DOM tree, and take the next step toward updating your Web pages on the fly!

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## [J2EE Learning Guide](#)

This guide gives you a well presented detailed overview of J2EE and includes articles, tutorials, examples, tips, tools, and expert advice to increase your J2EE knowledge and understanding quickly. J2EE is an abbreviation for Java 2 Platform Enterprise Edition, which is the Java platform designed for the mainframe-scale computing typical of large enterprises. Sun Microsystems (together with industry partners such as IBM) designed J2EE to simplify application development in a thin client tiered environment. J2EE simplifies application development and decreases the need for programming and programmer training by creating standardized, reusable modular components and by enabling the tier to handle many aspects of programming automatically.

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## [Web Development Tutorials from the Shadow Fox Network](#)

The Shadow Fox Network provides quality articles and tutorials covering php, xhtml, css, xml, rss, javascript, and ruby on rails, along with tutorials on being a webmaster. These will help you make a better and more attractive web site.

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## [XML Learning Guide](#)

This guide explains what XML is, how it's used, and where it fits into the world of Web services. Here you will find XML articles, tutorials, examples, tips, tools, white papers, expert advice and more to increase your XML knowledge and understanding. XML (Extensible Markup Language) is a flexible way to create common information formats and then consistently share both the format and the data on the WWW, intranets, and elsewhere. Using a standard way of describing data, as XML allows, enables users to send an intelligent agent (a program) to a target, such as a web site, gather data, make a comparison of the data, and then

send back results to the user..

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## **[67 Beginning and Advanced PHP Tutorials](#)**

PHP is an open-source, [reflective](#) programming language. Originally designed as a high-level tool for producing [dynamic web content](#), PHP is used mainly in [server-side applications](#). PHP 5 is the latest version and includes new features such as [PHP Data Objects](#) and more performance enhancements. PHP generally runs on a web server, using PHP code as its input and creating Web pages as output.

[Good PHP Tutorials](#) provides a wide selection of 67 well written PHP tutorials, covering PHP training from [Beginner](#) to [Advanced](#) to [Object Oriented](#).

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## **[Learning Guide for SOA or Service-Oriented Architecture](#)**

This SearchWebServices.com learning guide introduces you to Service-Oriented Architecture, or SOA. In this SOA learning guide, you'll find articles, tips, expert advice, white papers and more that will explain how SOA fits into the world of Web services.

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## **[The Underground PHP and Oracle Manual](#)**

Free PHP and Oracle Manual is now available - The free Underground PHP and

Oracle Manual is hot off the press and now freely available for download.. The OTN team describes it: "Just starting out with PHP database development, or unsure how to install PHP and Oracle? This full-length guide includes everything you need to know (and more)." This PHP / Oracle guide is 124 pages and in pdf format.

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### **[Fast Guide to PL/SQL](#)**

[PL/SQL](#) is the procedural language extension to the structured query language (SQL) for the Oracle database. It combines a database language with a procedural programming language, which is built on a basic unit called a block. By compiling and storing executable blocks, Oracle can process the PL/SQL quickly and easily. PL/SQL supports [variables](#), [conditions](#), [arrays](#), and [exceptions](#). Implementations from version 8 of the [Oracle RDBMS](#) onwards have included features associated with [object-orientation](#).

This fast guide from SearchOracle.com provides PL/SQL tips, expert explanations, and web resources and will help both newbies and veterans become better acquainted with this database language and hone their developer skills.

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### **[SQL Learning Guide](#)**

Whether you are a newbie or a seasoned SQL scripting expert looking to tweak query performance, this learning guide to the Structured Query Language (SQL) has something for you. These seven chapters will assist you with how to script SQL to get the data you need by looking at solutions to real-world problems.

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## [Writing Regular Expressions](#)

A Regular Expression (abbreviated as regexp or regex, with plural forms regexps, regexes, or regexen) is a string that describes or matches a set of strings, according to certain syntax rules. This blog post of mine reviews what regular expressions are, describes what patterns are and details the syntax that is used when writing regular expressions.

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## [.NET Learning Guide](#)

This SearchWebServices.com guide introduces you to .NET (dotNet), explains best practices and pitfalls to avoid and provides troubleshooting help and advice. You'll find .NET articles, tutorials, tips, tools, white papers, expert advice and more to increase your .NET knowledge and help you to better understand this technology. Microsoft .NET is a set of software technologies for connecting information, users, systems, and devices. This new generation of technology is based on Web services, which are small building-block applications that can connect to each other as well as to other, larger applications over the Internet."

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## [Basic and Advanced HTML Tutorials](#)

Webdevelopersnotes.com offers online tutorials to help you learn Basic HTML (HyperText Markup Language) and Advanced HTML. The site's main tutorial page is [located here](#). Also check out their [Web Page Design](#) and [Web Graphics Design](#) tutorial pages. The basic HTML tutorials describe and explain common HTML tags. The advanced HTML tutorials teach you how to embed sound and video content, how to control HTML colors, use tables, frames, forms and image maps.

### **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 250 Freely Available Computer Ebooks](#)**

ebook site repository hosts over 250 freely available I.T. and technical ebooks in pdf, chm, zip, and rar formats. The following topics are covered by these ebooks: HTML, Linux, Redhat Linux, RHCE, Debian Linux, FreeBSD, Solaris, Unix, AIX, Java, C++, C, Python, PHP, XML, Ruby, Perl, Unix Shell Programming, MySQL, Zope, JBoss, Tomcat, Apache, BEA Weblogic, PostgreSQL, DB2, Oracle, Visual Studio .Net, Security, Firewalls, VPN, Networking, Snort, Ethereal, Cisco, CCNA, Game Programming, Sun SCSA, and Subversion.

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#### **[Free Online Computer, Web Development, and Programming Books](#)**

2020ok.com is a gateway site to many free online books. Here is their section covering free technical computer and application developments books. The categories are listed and linked below for your convenience. When you find a book



you like, the link will open a new browser window and take you to the free book described.

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## [Free Book Zone](#)

FreeBookZone hosts and links to many free online books, ebooks, manuals, and coursewares covering the following: Web Programming, Web Technologies, Operating Systems (Linux, Windows), Java Programming, Enterprise Java, Programming Languages (C, C++ , Assembly, Perl, Scripting, Ruby), Hardware (Microprocessors, Device Drivers, Peripherals), Microsoft Technologies (Certifications, .Net, Visual Basic, VC++, C#, Windows, Web Technology), Computer Science, Database (Oracle, SQL, SQL Server, Postgre SQL, DB/2), Networking, Software Engineering, XML and XSL, and the Internet.. All of these books are freely available over the internet.

## **Book Categories:**

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[Advanced Java](#)

[Java GUI](#)

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[Assembly](#)

[Java](#)

[Perl](#)

[COBOL](#)

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[Others](#)

## Hardware

Computer H/W

Microprocessors

Device Drivers

Logic & HW Design

Peripherals

## Microsoft Technologies

Certifications

.Net

Visual Basic

Server Tech.

VC++

COM/DCOM/ATL

C#

MS Office

Windows

Web Technology

## Computer Science

Theory Computing

Compilers

Database

Hardware

DS & Algorithms

OS

Network

## Database

Oracle

SQL

SQL Server

Postgre SQL

DB/2

Datawarehousing

Others

## Network

## [Software Engineering](#)

## [XML and XSL](#)

## [Internet](#)

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## [Free On-line Linux Technical Books and Tutorials](#)

Linuxtopia hosts an excellent collection of current, up-to-date Linux Books, Tutorials, and Manuals. These cover many topics, including Gtk+/Gnome, MySQL, Linux Security, Red Hat Enterprise Linux, CentOS Enterprise Linux, Red Hat Fedora Core, Ubuntu, Debian GNU/Linux, Command-Line Tools, C Programming, Perl Scripting, Bash Scripting, Linux Kernel Module Programming, Xen Linux Virtualization, Linux Tools & Utilities, GCC, Linux Debugging, and Linux Developer Tools Guides.

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## [Free Ebook on C# Programming](#)

Here is a blog post at [ebooks.bloggoing.com](http://ebooks.bloggoing.com) for a freely available ebook covering C# Programming. This ebook uses the question-solution-discussion format to teach you step-by-step how to code in the C# language while using the .NET platform. It covers C# 2.0, the latest version of this popular object-oriented programming language and includes over 300 code solutions to common C# problems and tasks that you will come across as a C# programmer. Here are some of the C# topics that are covered:

- Numeric data types
- Strings and characters
- Classes and structures
- Generics

- Exception handling
- Delegates, events, and anonymous methods
- Filesystem interactions
- Web site access
- XML usage (including XPath and XSLT)
- Networking
- Threading
- Unsafe code

To access the download link on rapidshare.de, click on the Free button at the bottom right of the rapidshare page, wait about 30 seconds, then enter the 3 character code and click on the download button. To uncompress the .rar file you can use [7-Zip](#).

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## **[10 Freely Available Ebooks Covering Microsoft Technologies](#)**

Here are 10 freely available ebooks covering Microsoft and Windows technologies, including training covering .Net (dotNet), ASP.Net, ADO.Net, Visual C# (C Sharp), MCAD, and MCSD. Free [registration](#) is required.

- 70-315 Building Web Solution with ASP.NET and ADO.NET
- Designing and Implementing Web Applications with Visual C# .NET and Visual Studio .NET: 70-315 MCAD MCSD Training Guide
- Developing and Implementing Web Applications with Visual C# .NET and Visual Studio .NET Exam Cram
- Developing Windows-Based Applications: MCAD/MCSD Self-Paced Training Kit
- In Action ... All-In-One
- Inside Microsoft Visual Studio .NET 2003
- Microsoft ASP.NET Programming with Microsoft Visual C# .NET Version 2003 Step By Step
- Windows Workflow Foundation
- ADO.NET 2: Programming with SQL Server 2005, Oracle, and MySQL
- DotNetNuke ASP.NET Portals

## **[73 Free Oracle Book Chapters and Excerpts](#)**

Searchoracle.com hosts the following 73 free Oracle book chapters and excerpts on their Book Chapter Download Library page. This page is updated often, so check back with it regularly to get more chapters and excerpts as they are posted. These chapters are taken from books written by Oracle experts and gurus and the following topics:

### **Table of Contents**

[Application Server](#)

[Database Administration](#)

[Data Warehousing and Business Intelligence](#)

[E-Business Suite](#)

[Grid Computing](#)

[Languages](#)

[Web services](#)

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## **[IT Security Cookbook \(Free Book\)](#)**

Here is a free online book about IT security that covers both security policies and technical security subjects. Read the short [introduction](#) first. If you're interested in technical guidelines, rather than organisation / policies, read the [practical security summary](#) before looking at the technical sections. There is a lot of new material the autor has written since he wrote this book, please see [www.boran.com/security/sp](http://www.boran.com/security/sp) for these security articles.

## [Extracts, Tips, and Articles from The Pragmatic Programmer Book and Authors](#)

The Pragmatic Programmer is written as 46 small sections, each section ranging from two to ten pages long. Sprinkled through these sections there are 70 *tips*: one-line statements of best practice that the authors try to live by daily. Addison Wesley has kindly allowed them to make available some sections from the book and a complete, annotated list of tips. Also included here are many excellent articles explaining and detailing the process of software development.

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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>

### [Advanced Algorithms Course at MIT](#)

Here is the first of two MIT open-content computer science courses I have in this newsletter. This one is called 'Advanced Algorithms', and if you need to learn more about algorithms and what they can do for you, these learning materials will help you out.

This course is a first-year graduate course in algorithms. Emphasis is placed on



fundamental algorithms and advanced methods of algorithmic design, analysis, and implementation. Techniques to be covered include amortization, randomization, fingerprinting, word-level parallelism, bit scaling, dynamic programming, network flow, linear programming, fixed-parameter algorithms, and approximation algorithms. Domains include string algorithms, network optimization, parallel algorithms, computational geometry, online algorithms, external memory, cache, and streaming algorithms, and data structures. Here are the [Lecture Notes](#),

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### [Computer System Architecture Course at MIT](#)

Here is the second open-content MIT computer science course, called 'Computer System Architecture'. This course is a study of the evolution of computer architecture and the factors influencing the design of hardware and software elements of computer systems. Topics may include: instruction set design; processor micro-architecture and pipelining; cache and virtual memory organizations; protection and sharing; I/O and interrupts; in-order and out-of-order superscalar architectures; VLIW machines; vector supercomputers; multithreaded architectures; symmetric multiprocessors; and parallel computers. Here are the [Lecture Notes](#).

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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:

[Open Ebook = OEbook](#)

This site hosts lots of freely available technical computer and development ebooks in many areas. Here are the categories to choose from: ASP & ASP.Net, CGI & Perl, PHP, JSP, Database, WebPage, Design, Server, Office, System, Network, Game, Exam, Development, Communication, Society, Business, and MultiMedia.

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### [C4Swimmers](#)

Free C and C++ programming training and tutorials, articles, FAQs, and source code snippets. Access to download free C/C++ compilers. Technical C/C++ interview questions and answers. Learn Linux programming - developing multi-process, multi-threaded application using C code. Learn Data Structures concepts like Stacks, Queues, Linked Lists, Sorting, Searching, etc. supported by C code example programs.

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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>

### [Learning Guide for Linux Security](#)

Linux Security is one of the most important considerations in any enterprise IT shop, and there are so many resources available it can be difficult to know where to start. Tectarget.com has compiled the following wealth of information in their

Linux Security Learning Guide. This will help get you up to speed quickly with learning about and understanding Linux Security.

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### [XML Security Learning Guide](#)

Securing XML is an essential element in keeping Web services secure. This XML Security Learning Guide is a compilation of resources that review different types of XML security standards and approaches for keeping your XML Web services secure.

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### [Fast Guide to Web Services Security](#)

This SearchWebServices.com guide introduces you to Web Services Security -- highlighting the inherent challenges of securing Web services while providing you with strategies to overcome these challenges. You'll find articles, tips, white papers, expert advice and more to arm yourself against would-be invaders.

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

[Downloaddossier.com](#)

This site is a source for all those useful files needed to repair, speedup, and update you computer. No registration is required. Here are the categories to choose from:

### [Internet](#)

Add-Ons, connectivity, speed up, and download managers

### [Networking](#)

Wireless and cabled networks, streaming, connectivity, uploads and configuring.

### [Security](#)

Anti-Virus, Spyware, spam & adware Removal, plus monitoring, password recovery, privacy and encryption.

### [Utilities](#)

Harddrive, Registry, Internet and system Utilities.

### [Windows](#)

Important Window updates for your computer

### [Miscellaneous](#)

Everything Else

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## [Code Snippets](#)

Code Snippets is a public source code repository. Easily build up your personal collection of code snippets, categorize them with tags / keywords, and share them with the world.

Here are the Top Tags:

[REBOL](#) [ajax](#) [apache](#) [array](#) [bash](#) [c](#) [csharp](#) [css](#) [database](#) [date](#) [email](#)  
[expressionengine](#) [file](#) [files](#) [find](#) [forcodegrrl](#) [hash](#) [html](#) [http](#) [image](#) [java](#) [javascript](#)  
[lighttpd](#) [linux](#) [mac](#) [math](#) [mysql](#) [osx](#) [perl](#) [php](#) [prototype](#) [pys60](#) [python](#) [rails](#) [regex](#)  
[ruby](#) [rubyonrails](#) [search](#) [series](#) [series60](#) [shell](#) [sql](#) [ssh](#) [string](#) [text](#) [time](#) [unix](#) [web](#)  
[windows](#) [xml](#)

## 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.

### July 2006 Question of the Month:

I am looking for free Excel Add-ins to use so I can do more with my spreadsheets. Can you direct me to some good Excel add-ins.

### Answer:

Here is what you need... ASAP Utilities is one of the world's most popular Free add-ins for MS Excel 97 / 2000 / 2002 / XP / 2003. ASAP Utilities contains over 300 useful and powerful utilities to fill the gaps in Excel, and automate frequently used tasks. This is truly an amazing collection of addins, and best of all is free.

### [ASAP Utilities - Over 300 Free Excel Addins](#)

Here are just a few of ASAP's popular Excel add-in tools:

- Deselect cells
- Apply formula to selected range
- Conditional select cells (i.e. cells > 12 or red cells)
- Copy a worksheet's page and print settings
- Vision control, view workbooks, sheets and easily change their settings
- Print multiple sheets
- Color each n'th row or column
- File import and export (txt, csv, dbf, xls, gif, jpg, etc.)
- Export selection as HTML table (including formats, colors etc.)

I hope this help you.

Scott Turton

Site Editor

<http://www.intelligentedu.com>

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## 9) Please Support Our Training Mission

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

### How You Can Support Our IT Training Mission

Please help support Intelligentedu.com's Computer and IT Education and Training Mission by visiting our sponsors below. By doing so, you will be helping people who want to learn to use computers in an Information Technology career.

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[University of Phoenix Online: Advance your career](#)

[DeVry: Online degrees for working adults](#)

[Kaplan College Online:](#)

[Advance your career with an online degree from Kaplan College](#)

## [Capella University -accredited online education for professionals](#)

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

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

#### **Free I.T. Training Now!**

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>](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:

1. A Comprehensive 47-page IT Glossary
2. How To Understand Windows Error Messages program
3. 105 Great Totally Free Utility Programs
4. A Bug Tracking Access
5. The Four Best IT Salary Calculator/Wizard sites
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
8. Five extra bonus IT resource sites that are the best from our "worth mentioning" newsletter section

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**To Subscribe** to this Free monthly Newsletter of Computer Education, Training, & Tutorial Resources simply send a blank email to this address:



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Thank You!

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