

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



---

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

**\*\*\* ISSUE #82 - August 2008 \*\*\***

**[Intelligentedu.com](http://Intelligentedu.com)**

This Newsletter is only sent to its subscribers  
and is available on the web at

[Intelligentedu.com/newsletter82.html](http://Intelligentedu.com/newsletter82.html)

Newsletter Archives are here:

[Intelligentedu.com/newsletter.html](http://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!

---

### In This Issue:

**[1\)... Editor's Greeting](#)**

**[2\)... The Best New Free I.T. Training & Tutorial Sites](#)**

**[3\)... New Free I.T. Books & Book Sites](#)**

[4\)... University Computer Science Course Sites](#)

[5\)... The Best Suggested Sites from Website Users](#)

[6\)... New I.T. Training & Tutorial Link Sites](#)

[7\)... I.T. Sites Worth Mentioning](#)

[8\)... Question of the Month about Technical Training](#)

[9\)... Please Support Our Computer Training Mission](#)

---

---

## 1) Editor's Greeting:

Hello everyone, and welcome to our new subscribers!

This is the August 2008 issue (#82) 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](http://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 125 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](#)

If you'd like, also get our [Free Computer Training updates via RSS](#).

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/>

---

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

\*\*\* [Become a Member of 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>.

---

**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>.

---

**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)

---

---

**-> 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.

---

---

## 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 [Intelligentedu.com/cat1.html](http://Intelligentedu.com/cat1.html), our Free IT Tutorials and Guides page at [Intelligentedu.com/cat2.html](http://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>

---

### **[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!

---

### **[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.

---

### **[Free C++ Programming Textbook](#)**

Here is a freely available C++ Programming Textbook from Duke University: [A Computer Science Tapestry, Exploring Computer Science and Programming with C++](#). All of the book's chapters are available in pdf format and are linked below,



along with several C++ programming how tos. The data files referred to in the text are [browsable here](#) and the [C++ code](#) used is also available. And here are the author's [Overhead slides](#) for each chapter.

### C++ Programming Text Book Contents:

[Chapter 1 - Computer Science and Programming](#)

[Chapter 2 - C++ Programs: Form and Function](#)

[Chapter 3 - Program Design and Implementation](#)

[Chapter 4 - Control, Functions, and Classes](#)

[Chapter 5 - Iteration with Programs and Classes](#)

[Chapter 6 - Classes, Iterators, and Patterns](#)

[Chapter 7 - Class Interfaces, Design, and Implementation](#)

[Chapter 8 - Arrays, Data, and Random Access](#)

[Chapter 9 - Strings, Streams, and Operators](#)

[Chapter 10 - Recursion, Lists, and Matrices](#)

[Chapter 11 - Sorting, Templates, and Generic Programming](#)

[Chapter 12 - Dynamic Data, Lists, and Class Templates](#)

[Chapter 13 - Inheritance for Object-Oriented Design](#)

### C++ Programming How Tos:

[How to use C++](#)

[How to format output and use streams](#)

[How to use the the class string](#)

[How to understand and use const](#)

[How to overload operators](#)

[How to understand and use standard libraries](#)

[How to understand and use Tapestry libraries](#)

[How to use the graphics library](#)

[How to cope with C++ environments](#) [Howto Cope with Codewarrior \(html\)](#)

Here are excellent [Java Programming Notes and Slides](#) from the University of Iowa that will show you how to program using the Java programming language. These review all of Java's features and topics that you need to understand when programming applications with Java. These include data types, control structures, methods, objects and classes, class inheritance, arrays and strings, user interface, applets, internationalization, exception handling, multithreads, multimedia, input and output, and networking.

- Chapter One: [Introduction to Java](#)
- Chapter Two: [Primitive Data Types](#)
- Chapter Three: [Control Structures](#)
- Chapter Four: [Methods](#)
- Chapter Five: [Programming with Objects and Classes](#)
- Chapter Six: [Class Inheritance](#)
- Chapter Seven: [Arrays and Strings](#)
- Chapter Eight: [Getting Started with Graphic Programming](#)
- Chapter Nine: [Creating User Interface](#)
- Chapter Ten: [Applets and Advanced Graphics](#)
- Chapter Eleven: [Internationalization](#)
- Chapter Twelve: [Exception Handling](#)
- Chapter Thirteen: [Multithreads](#)
- Chapter Fourteen: [Multimedia](#)
- Chapter Fifteen: [Input and Output](#)
- Chapter Fifteen: [Networking](#)

---

## [Free Agile Software Development Book](#)

Here is an excellent, free software development book, [Essential Skills for Agile Development](#), written by Tong Ka lok, that reflects his many years of software application building experience. has in software development and training. This freely available book provides many easy to read and understand examples that present Agile Software Development from a hit-the-ground running perspective. These include: how to handle duplicate code, comments, and bloated code; how

to write effective end-user requirements; how to perform TDD (including functional testing, user interface testing and unit testing); and how to use a database in Agile Development. By applying the examples, you will learn the required skills and put them into practice immediately.

Essential Skills for Agile Development teaches the programming concepts of Agile Development one skill at a time by presenting exercises that the authors expect you to complete. So you can learn what you're doing correctly and incorrectly, it also gives you sample solutions to the exercises. To reinforce the skills taught, the book gives repeated exercises that test you on the skills taught previously, so reading the chapters sequentially is recommended. This book can be used as training for software developers, and its also an ideal reference for Java programming. To effectively use this book you should have knowledge in reading Java and HTML code, and read and write SQL.

You may download the [whole book](#) (427 pages, 2.26mb, pdf format) or you can access each chapter in pdf format.

#### Table of Contents of Essential Skills for Agile Development:

[Chapter 1. Removing duplicate code](#)

[Chapter 2. Turning comments into code](#)

[Chapter 3. Removing code smells](#)

[Chapter 4. Keeping code fit](#)

[Chapter 5. Take care to inherit](#)

[Chapter 6. Handling inappropriate references](#)

[Chapter 7. Separate database, user interface and domain logic](#)

[Chapter 8. Managing software projects with user stories](#)

[Chapter 9. OO design with CRC cards](#)

[Chapter 10. Acceptance test](#)

[Chapter 11. How to acceptance test a user interface](#)

[Chapter 12. Unit test](#)

[Chapter 13. Test driven development](#)

[Chapter 14. Team development with CVS](#)

[Chapter 15. Essential skills for communications](#)

[Chapter 16. Pair programming](#)

---

## [MySQL Essentials](#)

MySQL is a free, open source database management system that is easy to install, implement and maintain. It also provides quick performance and is very reliable, while being widely implemented throughout the world. MySQL brings the power of a scalable relation database application to anyone with the skills to build a data driven application or web site.

Here is another excellent, free online book, [MySQL Essentials](#), hosted by techotopia.com. The objective of MySQL Essentials, is to provide step-by-step instructions on how to implement and administer MySQL. The book teaches you the fundamentals of relational databases and how to configure and install MySQL. It then covers all the tasks you need to know and perform so you can successfully build, maintain and secure MySQL based databases. The topics of MySQL Essentials are listed and linked below in the table of contents.

### Table of Contents of MySQL Essentials:

[About MySQL Essentials](#)

[Database Basics](#)

[MySQL Database Architecture](#)

[The mysql Command-Line Tool](#)

[The MySQL Administrator Tool](#)

[The MySQL Query Browser](#)

[Creating New Databases and Tables with MySQL Administrator](#)

[Creating Databases and Tables Using SQL Commands](#)

[Updating and Deleting MySQL Tables](#)

[Inserting Data into a MySQL Database](#)

[Updating and Deleting MySQL Data](#)

[Retrieving Data From a MySQL Database](#)

[Sorting Data Retrieved from a MySQL Database](#)

[Using WHERE to Filter MySQL Data](#)

[Advanced MySQL Data Filtering - AND, OR, NOT and IN](#)

[MySQL Wildcard Filtering using LIKE](#)

[MySQL Regular Expression Searches](#)

[Joining Tables in MySQL](#)

[An Introduction to MySQL Views](#)

[MySQL Calculations and Concatenations](#)

[Manipulating Text in MySQL](#)

[MySQL Mathematical Functions](#)

[Working with Dates and Times in MySQL](#)

[MySQL Data Aggregation Functions](#)

[MySQL Users and Security](#)

---

## [\*\*Web Design in Theory and Practice\*\*](#)

[Design in Theory and Practice](#) is a series of five chapters or tutorials that will teach you all about visual communication design for the web. These web design tutorials discuss topics such as the fundamentals of design, typography and motion, and then also address more advanced theoretical web design and communication concepts.

- [The Principles of Design](#)
  - [The Elements of Design](#)
  - [Designing for the Web](#)
  - [Principles and Elements of Design](#)
  - [Color: An Investigation](#)
- 

## [\*\*57 JavaScript Tutorials from htmlgoodies\*\*](#)

Here are [57 JavaScript Tutorials, Techniques and Code Examples](#), courtesy of htmlgoodies.com. These JavaScript tutorials will teach and show you many features that you can use and apply on your web sites. If you are new to

JavaScript, they will get you started with coding. If you're already coding JavaScript, they will help you learn some specific techniques to add interactivity to your web pages.

### The JavaScript Diaries:

- [The JavaScript Diaries: Part 1](#) - How JavaScript can add interactivity to your web pages and keep them current
- [The JavaScript Diaries: Part 2](#) - Learn the parts of JavaScript and write your first script
- [The JavaScript Diaries: Part 3](#) - JavaScript operators: mathematical operators, comparison operators, assignment operators, logical (boolean) operators and more
- [The JavaScript Diaries: Part 4](#) - JavaScript functions: writing functions, naming rules, calling a function, global and local variables
- [The JavaScript Diaries: Part 5](#) - Adding complexity with conditional statements and loops
- [The JavaScript Diaries: Part 6](#) - Using using the Object() constructor: JavaScript objects, object properties and methods, and the constructor function
- [The JavaScript Diaries: Part 7](#) - Using browser-based objects
- [The JavaScript Diaries: Part 8](#) - Coding methods for the window object
- [The JavaScript Diaries: Part 9](#) - How to use the most common of the window event handlers
- [The JavaScript Diaries: Part 10](#) - Learn how to code JavaScript objects, and use their related properties and methods
- [The JavaScript Diaries: Part 11](#) - Start using JavaScript arrays
- [The JavaScript Diaries: Part 12](#) - Using multidimensional and associative arrays
- [The JavaScript Diaries: Part 13](#) - Work with and manipulate various types of arrays using properties and methods
- [The JavaScript Diaries: Part 14](#) - Use the Math object to perform mathematical operations and generate random numbers
- [The JavaScript Diaries: Part 15](#) - Display and manipulate the date and time

### Learn the Basics of JavaScript:

- [JavaScript Basics Part 1](#) - First in this series of JavaScript tutorials: what JavaScript is, and shows you how to create your first script
- [JavaScript Basics Part 2](#) - Learn how to use and code 'if' and 'else'

statements

- [Javascript Basics Part 3](#) - How to validate a form on your page, and code using form fields and loops
- [Javascript Basics Part 4](#) - Describes what functions and objects are in JavaScript and how to use them
- [Javascript Basics Part 5](#) - Covers some of the native JavaScript objects: Strings, Numbers and Arrays.
- [Javascript Basics Part 6](#) - Learn about the Document Object Model (DOM)
- [Javascript Basics Part 7](#) - How to code using the document object and the window object
- [Javascript Basics Part 8](#) - Understand Object-Oriented Design and how it relates to the JavaScript
- [Javascript Basics Part 9](#) - Learn the basics of object-oriented programming in JavaScript: learn methods of inheritance, and how to use closures
- [Javascript Basics Part 10](#) - How to code and use AJAX within JavaScript
- [Javascript Basics Part 11](#) - How to understand errors and perform error handling
- [Javascript Basics Part 12](#) - Learn about recursion and how it is used in JavaScript

### JavaScript Primers:

- [JavaScript Primer #1](#) - Starting with the Basics
- [JavaScript Primer #2](#) - Error Messages
- [JavaScript Primer #3](#) - Dates and Times
- [JavaScript Primer #4](#) - Event Handlers: onMouseover
- [JavaScript Primer #5](#) - Some more Event Handlers
- [JavaScript Primer #6](#) - Prompts & Variables
- [JavaScript Primer #7](#) - The Concept of Properties
- [JavaScript Primer #8](#) - Hierarchy of Objects -
- [JavaScript Primer #9](#) - Creating a Function -
- [JavaScript Primer #10](#) - After-Effect Commands: onUnload and onMouseOut
- [JavaScript Primer #11](#) - Opening New Windows
- [JavaScript Primer #12](#) - Opening a Window with a Function
- [JavaScript Primer #13](#) - 'Confirm' Method (Intro to IF and ELSE)
- [JavaScript Primer #14](#) - Math Variables
- [JavaScript Primer #15](#) - Image Flip Using OnMouseOver
- [JavaScript Primer #16](#) - Image Flip With A Function
- [JavaScript Primer #17](#) - Calling Functions With Forms

- [JavaScript Primer #18](#) - Form Fields and the Value Property
  - [JavaScript Primer #19](#) - Passing Information to the Function
  - [JavaScript Primer #20](#) - Creating Random Numbers
  - [JavaScript Primer #21](#) - Introduction to IF and Branching
  - [JavaScript Primer #22](#) - IF/ELSE Statements
  - [JavaScript Primer #23](#) - Producing Random Statements and Images
  - [JavaScript Primer #24](#) - 'For' Loops
  - [JavaScript Primer #25](#) - 'While' Loops
  - [JavaScript Primer#26](#) - Putting it all together: Functions from a Function
  - [JavaScript Primer #27](#) - Putting it all together: A Side Show
  - [JavaScript Primer #28](#) - Putting it all together: Animation
  - [JavaScript Primer #29](#) - Putting it all together: Form Field Validation
  - [JavaScript Primer #30](#) - So, Now What?
- 

### [Free C# Programming eBook from Programmersheaven](#)

The [Programmer's Heaven C# School Book](#) is a freely available ebook that covers the .NET framework and the C# programming language. This C# programming ebook will teach you the basics of C# programming, along with object oriented programming techniques. It also takes you through many of important C# development topics such as interfaces, exceptions, delegates, [ADO.NET](#) database access, building Windows forms applications, multi-threading, and asynchronous I/O. New features of C# 2.0, including generics, are also reviewed. This [free C# ebook](#) is in pdf format, 338 pages in length, and its file size is 3.6mb.

#### Chapters of Programmer's Heaven C# School ebook:

- Introduction
- C# Language Fundamentals
- Classes and Objects,
- Inheritance & Polymorphism
- Structures, Enumeration, Garbage Collection & Nested Classes
- Abstract Classes & Interfaces
- Arrays, Collections & String Manipulation



- Exception Handling
  - Delegates & Events
  - WinForms & Windows Applications
  - More Windows Controls & Standard Dialog Boxes
  - Data Access using ADO.Net
  - Multithreading
  - The File System & Streams
  - New Features In C# 2.0
- 
- 

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

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

#### **[Linux, Java, C++ Programming eBooks](#)**

Here are lots of [Downloadable Computer and Programming eBooks](#) from moscoso.org, mostly in pdf, zip and rar formats. The topics for these freely available computer ebooks are listed below.

#### **eBook Topics at this site:**

C Programming  
C Programming on Linux  
C++ Programming and Design  
Java  
Java Concurrency  
Java RMI  
Netbeans, SCJP  
Java Mobile Programming, J2ME  
JBuilder

CORBA with Java  
JSP and Servlet  
PHP and MySQL  
SQL Database Programming  
Network Programming  
Linux  
Linux Programming  
Linux Shell Scripting  
Linux Process Manager  
Linux Kernel Module Programming  
Embedded Linux Programming  
Genetic Programming  
WIMAX, Wireless  
CNC Programming  
Windows Mobile  
Pocket PC  
Rational Unified Process (RUP)  
SAP R3  
CAD  
Matlab  
LabView  
Google Maps  
Robotics  
Neural Network Theory  
Packet Radio

---

## **[Free Books and eBooks from OnlineComputerBooks](#)**

[OnlineComputerBooks.com](http://OnlineComputerBooks.com) provides links to free computer books, free ebooks, and free online books covering many areas of Programming, I.T., Computer Science, Web Application Development, the Internet, Business, Math, Physics and Science. The topics for these free ebooks and books are listed and linked below.

Topics of Free Computer and Programming Books and eBooks:

- [Free J2EE books](#)

- [Free Java books](#)
- [Free .NET books](#)
- [Free C# books](#)
- [Free VB .NET books](#)
- [Free ASP .NET books](#)
- [Free MS-Office books](#)
- [Free Ajax books](#)
- [Free XML books](#)
- [Free C++ Programming books](#)
- [Free C Programming books](#)
- [Free Web Design books](#)
- [Free PHP books](#)
- [Free Python books](#)
- [Free Perl books](#)
- [Free SQL books](#)
- [Free Programming books](#)
- [Free Windows books](#)
- [Free Linux books](#)
- [Free Unix books](#)
- [Free FreeBSD books](#)
- [Free IT books](#)
- [Free Revision Control books](#)
- [Free Networking books](#)
- [Free Software Eng. books](#)
- [Free MySQL books](#)
- [Free PostgreSQL books](#)
- [Free Open Source books](#)
- [Free JavaScript books](#)
- [Free Security books](#)
- [Free Hardware books](#)
- [Free Flash books](#)
- [Free Computing books](#)
- [Free AI books](#)
- [Free J2ME books](#)
- [Free Assembly books](#)
- [Free Ada books](#)
- [Free Basic books](#)
- [Free Game Prog. books](#)

- [Free Internet books](#)
  - [Free Ruby books](#)
  - [Free Apache books](#)
  - [Free e-Learning books](#)
  - [Free Smalltalk books](#)
  - [Free Lisp books](#)
  - [Free Certification books](#)
- 

## [Online Programming Books from codeidol.com](#)

Here are many excellent [free Online Computer Books](#) from codeidol.com covering software development, web application building, and programming for both open source and Microsoft technologies. The book categories are listed and linked below, along with several books in some of the categories.

### Computer and Programming Books at codeidol:

- [AJAX](#)
  - [Ajax: Creating Web Pages with Asynchronous JavaScript](#)
  - [Head Rush Ajax](#)
  - [Ajax for Web Application Developers](#)
  - [Ajax Design Patterns](#)
- [Java](#)
  - [Enterprise Java Security: Building Secure J2EE Applications](#)
  - [Designing Web Services with the J2EE](#)
  - [Algorithms in Java](#)
  - [Java Web Services Tutorial](#)
  - [Programming Wireless Devices with the Java 2 Platform](#)
  - [Programmer's Guide to Java Certification](#)
  - [JFC Swing Tutorial, The: A Guide to Constructing GUIs](#)
  - [Effective Enterprise Java](#)
  - [Enterprise JavaBeans, 3.0](#)
  - [Pro JSF and Ajax](#)

- [Java 2 Network Security](#)
- [JavaServer Pages](#)
- [C++ Programming](#)
  - [C++ Coding Standards: 101 Rules, Guidelines, and Best Practice](#)
  - [C++ Common Knowledge: Essential Intermediate Programming](#)
  - [Parallel and Distributed Programming Using C++](#)
  - [C++: The Complete Reference](#)
  - [C/C++ Programming Style Guidelines](#)
- [Javascript](#)
- [SQL](#)
- [HTML](#)
- [CSS](#)
- [PHP](#)
  - [PHP 5 in Practice](#)
  - [PHP Cookbook, 2nd Edition](#)
  - [Learning PHP and MySQL](#)
- [Perl](#)
- [Python](#)
- [Flash](#)
- [Unix and Linux](#)
- [LAMP:: Using Linux, Apache, MySQL, Perl, and PHP](#)
- [Internet](#)
- [Graphics](#)
- [Security](#)
- [C# and .NET \(dotNET\)](#)
  - [.NET Web Services: Architecture and Implementation](#)
  - [A First Look at ADO.NET and System.Xml v. 2.0](#)
  - [.NET Framework Standard Library Annotated Reference](#)
  - [Developing XML Web Services and Server Components with Visual C# .NET and the Microsoft .NET Framework](#)
- [C# Cookbook, 2nd Edition](#)
- [Applying Domain-Driven Design and Patterns: With Examples in C# and .NET](#)
- [Essential C# 2.0](#)
- [Windows Forms 2.0 Programming](#)
- [Building .NET Applications for Mobile Devices](#)
- [C# Network Programming](#)
- [ASP](#)
- [Windows](#)

- [Visual Basic](#)
  - [Active Directory](#)
  - [Games](#)
  - [Hardware](#)
  - [Telecommunications](#)
  - [Games](#)
  - [Other](#)
- 

## **[Computer and Programming eBooks in English and Spanish](#)**

This ebook repository at [sistemasdgv.net/Manuales](http://sistemasdgv.net/Manuales) contains many ebooks and in several technical and programming areas. Topics covered include C++ programming Java, Web development, UML, PHP, Networking, Linux, Oracle, and ASP .Net. These computer and programming ebooks are in English and Spanish.

---

## **[eBook Downloads For Linux, Networking, Java, PHP](#)**

Here are several [eBook downloads at ftp.mgts.by/pub/docs](http://ftp.mgts.by/pub/docs) covering BSD, Cisco, MySQL Database, Linux, Networking, Programming, IT Security, and VOIP. These are mostly in pdf format.

### **eBook Categories:**

- [BSD](#)
- [Cisco](#) (CCIE, LAN, Firewall, IOS, VPN)
- [Database](#) (MySQL)
- [Linux](#)
- [Networking](#) (TCP-IP, IPv6)

- [Others](#)
  - [Programming](#) (Java, Perl, PHP, Tomcat, XSLT)
  - [Voip](#)
- 

## [.NET, Networking, and Database Design eBooks](#)

Here are several [Computing eBooks](#) in pdf format from elib.hbi.ir. These ebooks cover .NET, ASP.NET, VB.NET, C#, XML, PHP and MySQL, Networking, Network Security, Database Design, JDBC, Linux Shell Scripting, and Windows 2003 Deployment. I have listed the topics below for the more recent ebooks on this site. Some of the books on this site are older and are therefore not helpful.

### [Programming eBooks:](#)

- Visual Studio .NET Macros and Add-ins
- Computer Architecture and XML
- XML Programming with dotNET
- PHP and MySQL Programming
- .NET Framework and Architecture
- OOP and Visual Basic dotNET and Visual C#
- [ASP.NET](#) Development
- Visual C++ .NET
- VB .NET Development

### [Networking and Security eBooks:](#)

- TCP-IP Basics
- Network Security
- Defending your Network
- Defending your Website
- Cisco IOS
- Cisco Security
- Ethernet

### [Database eBooks:](#)

- Database Design, Entity Relationships and Diagrams
- Database Programming using JDBC and Java
- Advanced Database Design

### Operating System eBooks:

- Linux Shell Scripting tutorial
  - Windows Server 2003 Deployment Resource Kit
- 
- 

## **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 [Intelligentedu.com/cat3.html](http://Intelligentedu.com/cat3.html)

### Free Java Learning Docs from NYU

New York University has made the following four Java Reference and Learning Documents and Lectures available online for those wanting to hone or upgrade their programming skills in Java and Swing.

#### Java Language Reference

This Java Reference guide provides code examples and explanations of the Java programming topics linked 1 - 7 below.

1. [Input/Output](#)
2. [Classes](#)
3. [Interface](#)
4. [String Class](#)
5. [Arrays](#)
6. [Casting](#)
7. [References](#)



## [Quick Java Reference](#)

This Quick Java Reference guide provides more coding examples and descriptions of the Java programming topics linked 1 - 8 below. Also, here is some info on [Java Strings](#).

1. [AWT](#)
2. [Command-Line Arguments](#)
3. [Applet Arguments](#)
4. [Timing](#)
5. [Java 2D API](#)
6. [Inner Classes](#)
7. [Images in Java 2D](#)
8. [Random Numbers](#)

## [Swing Tutorial](#)

This Swing introductory tutorial will help you to understand Java user interface programming. Here are the [Java source code examples](#) for this Swing tutorial. Some of the Java Swing programs and topics covered are as follows:

1. EmptyFrame.java:  
introduces the use of a JFrame that is empty.
2. EmptyFrame1.java  
introduces a "WindowListener" for a JFrame to quit properly.
3. myPanel.java  
adds a JPanel to a JFrame.
4. myPanel1.java  
elaborates on myPanel.java by introducing fonts.
5. DrawFrame.java  
primitives for drawing/filling polygons and arcs  
Variation: DrawFrame1.java  
primitives for drawing/filling various rectangles
6. ButtonFrame.java  
first steps into event handling  
Demo is a panel with 2 buttons.

## [Java Visualization Lectures](#)

This is a hands-on, projects-oriented course. Programming for computer graphics will require Java programming (especially Java2D).

Lecture 1: Introduction to Visualization, Modeling and the Web  
[programs](#) | [html](#)

Lecture 2: Java2D  
[programs](#) | [html](#)

Lecture 2a: Applets  
[programs](#) | [html](#)

Lecture 3: Basic Computational Geometry  
[pdf](#) | [html](#)

Lecture 4: Computational Geometry I: Plane Sweep  
[pdf](#) | [html](#)

Lecture 5: Point Location and Half-Edge Structure  
[pdf](#) | [html](#)

Lecture 6: Tiger Dataset  
[pdf](#) | [html](#)

Lecture 7: Swing (I)  
[pdf](#) | [html](#)

Lecture 8: Swing (II)  
[pdf](#) | [html](#)

Lecture 9: Databases and Postgres  
[pdf](#) | [html](#) | [progs](#) | [Online SQL information](#)

Lecture 10: Computational Geometry II: Box Queries  
[pdf](#) | [html](#)

Lecture 11: Simplification  
[pdf](#) | [html](#)

Lecture 12: Zoom Architecture  
[pdf](#) | [html](#)

## [Database Course from Mount Holyoke College](#)

Mount Holyoke College's [Database Course](#) provides the following lecture slides that will help you understand these important database concepts and topics, and to put them into practice. These go into a great amount of detail on the areas covered and also give examples and coding samples where applicable.

### Database Course Lectures:

Introduction to Databases:

[Chapter 1](#)

Entity / Relationship Model, Relational Model:

[Chapter 2](#)

[Chapter 3](#)

Relational Algebra and Calculus:

[Chapter 4a](#)

[Chapter 4b](#)

SQL:

[Chapter 5](#)

Building Database Applications:

[Chapter 6](#)

Database-Backed Internet Applications:

[Chapter 7](#)

Normal Forms, Storage and Indexing:

[Chapter 19](#)

[Chapter 8](#)

[Chapter 9.6, 9.7](#)

Query Evaluation:

[Chapter 12](#)

Transaction Management, Security:

[Chapter 16](#)

[Chapter 21](#)

Deductive Databases, Information Retrieval:

[Chapter 24](#)

[Chapter 27a](#) , [Chapter 27b](#) [Chapter 27c](#), [Chapter 27d](#)

Spatial Databases, Data Warehousing:

[Chapter 28](#)

[Chapter 25](#), [Chapter 25b](#)

Datamining:

[Chapter 26](#)

---

---

**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:

### [Interview Answers and more from TechPreparation](#)

[Techpreparation.com](#) offers a nice amount of free learning content, including interview questions and answers, C/C++ programming tutorials, and softskills training. Also, the [Resume Guide](#) will help you prepare and write an effective technical resume for getting the job you're looking for.

- [Interview Questions and Answers](#)

- [Tutorials](#)

- [Softskills Training Tutorials](#)

---

## [Tutorials and Training for NetBeans IDE](#)

[NetBeans](#) is both a platform for the development of [Java](#) desktop applications, and an [integrated development environment](#) (IDE) developed using the NetBeans Platform. The NetBeans Platform allows applications to be developed from a set modules, which are software components such as a debugger, form editor, object browser, CVS, and emacs integration. A module is a [Java archive](#) file that contains Java classes written to interact with the NetBeans Open APIs and a [manifest file](#) that identifies it as a module. Applications built on modules can be extended by adding new modules. You can [download NetBeans](#) for free.

Here are many [NetBeans Training Documents and Tutorials](#) from netbeans.org that will help you learn both NetBean's basics and it more advanced and specialized functionality.

- [NetBeans IDE Quick Start Guide](#)
- [Video Tour of Key NetBeans IDE Features](#)
- [Basic Java Programming](#)
- [Java GUIs and Project Matisse](#)
- [Java Web Applications](#)
- [EJB and Web Service Applications](#)
- [Mobile Applications](#)
- [C/C++ Applications](#)
- [SOA Applications](#)
- [UML Modeling](#)
- [PHP Applications](#)
- [Ruby Applications](#)
- [NetBeans Platform and Module Development](#)

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

These web sites will be added to our IT Links and Resources page at [Intelligentedu.com/cat6.html](http://Intelligentedu.com/cat6.html)

### **Computer Programming Tutorials and References**

Here are many programming tutorials and references from around the web, from hitmill.com, covering the area below. Content includes primers, tutorials, code examples, tips, and resources for programming students, programmers and developers.

#### **Categories of Programming Resources:**

- [C Programming](#)
  - [C++ Programming](#)
  - [C# Programming](#)
  - [Java](#)
  - [Java Applets](#)
  - [HTML](#)
  - [DHTML](#)
  - [JavaScript](#)
  - [CSS](#)
  - [XML](#)
  - [Web Services](#)
  - [VBScript](#)
  - [Networking](#)
  - [Apache Server Resources](#)
- 
-

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

***The following programs are totally Free, no popups, no adware, no spyware, and no shareware.***

### [Chaos Manager](#)

Chaos Manager is a compact organizer that includes an appointment/to-do manager, a calendar, contacts, a notebook, print/import/export and more. It can remind you of appointments via popup dialog, or optionally send email reminders to a specified email address - allowing you to get reminders, even if you are away from home. If you commute between 2 computer locations, you can use the built-in FTP synchronization feature to exchange and sync data with another install of Chaos Manager (e.g in your office). Additional features include password protection, customizable interface with many skins to choose from and more.

---

### [Agent Ransack](#)

Agent Ransack is a very powerful and easy to use tool for finding files and information on your hard drive fast and efficiently. You can search for file names or text in files with support for Regular expressions. When searching the contents of files Agent Ransack displays and highlights the actual text segments found in a separate window so you can quickly browse the results without having to open each file! The program features several wizards that can help you if you are not familiar with the use of Regular Expressions. Agent Ransack integrates into the Windows Find menu, so it is readily available to be used instead of the common Windows search dialog.

---

## [Host Evaluator](#)

Host Evaluator compares features of different web hosting providers and monitors their performance. With the help of a wizard, you pick whatever hosting company you want. It provides options for storage space, bandwidth, 12-month cost, e-mail, support, redundancy, features, connection speed and uptime and more. After you have entered several plans, you can choose which plans you want to compare, weight your attributes according to your needs and the Host Evaluator will generate a HTML table with the best host. After you have found a host, you can continue to use the software to monitor your sites uptime. It asks for a voluntary donation.

---

## [GSpot](#)

GSpot is a tool that provides you with detailed information about the codec used audio and video files. It can tell you whether an AVI file uses DivX or XviD, and which version, what type of MPEG codec is used (DVD format or not) etc. and also display additional file information like frame rates, meta data and more.

---

## [doPDF](#)

doPDF enables you to convert any printable document to PDF format. The program installs as a virtual printer driver and can be accessed from any application that supports printing. Simply select the doPDF printer instead of your regular printer and the file will be converted and saved as PDF document. doPDF supports basic conversion features, including customizable resolution, page scaling, predefined page size and quality settings.



## **HFS - HTTP File Server**

HFS - HTTP File Server is an easy to use drag and drop file server for personal file sharing. It runs as a standalone executable and does not require any installation. The program is very easy to use, just drag a file into it to share it with the world. You can customize the port it is running on, specify the IP address and monitor connections from the tray icon. HFS presents the shared files on a simple HTML page, that includes the file name and size. With some HTML knowledge, you can completely customize the HTML template to meet your preference. HFS can also integrate into Windows Explorer, allowing you to easily share files from the right-click menu.

---

---

## **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.

### **August 2008 Question of the Month:**

Where can I find some good instructions for building my own computer or PC?

### **Answer:**

You can build you own computer rather easily if you know which parts you need and how to put them together. Here are the best sites I have found that provide excellent instructions for accomplishing this.

## **[How To Assemble A Desktop PC](#)**, from Wikibooks

1. [Choosing the parts](#)
2. [Assembly](#)
3. [Software](#)
4. [Overclocking](#)
5. [Silencing](#)
6. [Conclusion](#)

## **[How to Build a Computer](#)**, at HowStuffWorks

1. [Introduction to How to Build a Computer](#)
2. [The Motherboard](#)
3. [Buying Parts](#)
4. [Building](#)
5. [Assembling the Case](#)
6. [Installing the Hard Drive](#)
7. [Powering Up and Troubleshooting](#)
8. [Lots More Information](#)
9. [How to Build a Computer: Questions and Answers](#)

## **[How to Build a Computer](#)**, at techPowerUp

1. [Introduction](#)
2. [Case & Power Supply](#)
3. [Motherboard, CPU & Memory](#)
4. [Optical Drive, Floppy & HDD](#)
5. [Power to the peripherals](#)
6. [Installing Video & Sound card](#)
7. [Congratulations](#)

## **[Build Your Own PC](#)**, from PCMech

1. [Materials Required](#)
2. [Remove Case Cover](#)

3. [Case Preparation](#)
4. [Install Power Supply](#)
5. [Install the CPU](#)
6. [Install Heat Sink/Fan](#)
7. [Install Memory](#)
8. [Configure the Motherboard](#)
9. [Install the Motherboard](#)
10. [Connect Motherboard To Case](#)
11. [Install Floppy Drive](#)
12. [Configure the Hard Drive & CD-ROM](#)
13. [Install Drive](#)
14. [Install the CD-ROM\(s\)](#)
15. [Install The Video Card](#)
16. [Post-Assembly](#)
17. [Initial Boot-Up](#)
18. [Configure The BIOS](#)
19. [Test The System](#)
20. [Prepare the Hard Drive\(s\)](#)
21. [Install The CD-ROM Driver](#)
22. [Install The Operating System](#)
23. [Tidy Up](#)

**[Building a New Computer](#)**, at the How-To Geek

1. [Part 1: Choosing Hardware](#)
2. [Part 2: Putting it Together](#)
3. [Part 3: Setting it Up](#)
4. [Part 4: Installing Windows and Loading Drivers](#)
5. [Part 5: Tweaking Your New Computer](#)

**[How to Put the Parts Together](#)**, from BuildPC.net

**[My Super PC](#)** - How To Build A PC - A Computer Building Guide

I hope this helps you.

Scott Turton  
Site Editor  
[Intelligentedu.com](http://Intelligentedu.com)

---

---

## 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.

---

[ITT Technical Institute: Choose from their many programs](#)

[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](#)

---

---

### **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/](#). Check us out today.

Copyright Notice: Please note that all of the items hyperlinked are copyrighted by their authors and/or publishers. You are expected to look for, read, and adhere to such notices. Downloaded and online material is copyrighted whether or not a copyright notice is present.

---

**\*\*\* [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 July choose to be billed by PayPal, or you July 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**

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

[newsletter-sub@intelligentedu.com](mailto:newsletter-sub@intelligentedu.com)

(You will need to reply to a confirming email.)

Or go to this web page and use the Subscribe form:

[http://www.intelligentedu.com/newsletr\\_sub\\_unsub.html](http://www.intelligentedu.com/newsletr_sub_unsub.html)

**To Unsubscribe** from this Free monthly Newsletter of Computer Education, Training, & Tutorial Resources simply send a blank email to this address with Unsubscribe in the subject::

[newsletter-unsub@intelligentedu.com](mailto:newsletter-unsub@intelligentedu.com)

(no need to confirm)

Or go to this web page and use the unsubscribe form:

[http://www.intelligentedu.com/newsletr\\_sub\\_unsub.html](http://www.intelligentedu.com/newsletr_sub_unsub.html)

---

Thank You!

[scott\\_turton@intelligentedu.com](mailto:scott_turton@intelligentedu.com)

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