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# Newsletter for Computer Education, Training & Tutorial Resources: Issue #9 - May 2001

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## Newsletter for Computer Education, Training & Tutorial Resources

\*\*\* ISSUE #9 - May, 2001 \*\*\*

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

This Newsletter is only sent to its subscribers and is available in early June, 2001 on the web at <http://www.intelinfo.com/newsletter09.html>

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

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

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### 1) Editor's Greeting:

Welcome to our 9th issue of our free monthly email newsletter for Computer Education, Training, & Tutorial Resources. We are a non-profit web site and our mission is the training of those less fortunate who are seeking to become computer literate, both technically and from a user's perspective.

If you have any suggestions, ideas, or feedback about this newsletter, feel free to email us at [mailto:scott\\_turton@intelinfo.com](mailto:scott_turton@intelinfo.com). We appreciate your feedback. Also, please send this to your friends and colleagues, if you think they would like it. It contains highly valuable information for anyone who is an I.T. professional or desiring to become one.

In this issue we describe and link to a total of 66 computer IT education and learning web sites. By means of this email newsletter, you have knowledge of and access to these sites before our web site visitors do.

Latest News:

- The Massachusetts Institute of Technology--in an unprecedented step in world-wide education--announced that it plans to make the materials for nearly all its courses freely available on their OpenCourseWare web site over the next several years:

<http://www.mit.edu/afs/athena.mit.edu/org/o/ocw/>

Here is their 1st free computer course, Structure and Interpretation of Computer Programs:

<http://www.mit.edu/afs/athena.mit.edu/org/o/ocw/course1.html>

- Here is a new free subscription service for computer and technology newsletters:

[http://www.intelinfo.com/links/free\\_it\\_newsletters.html](http://www.intelinfo.com/links/free_it_newsletters.html)

We are requesting you to please sign-up for one of these free newsletters. Our web site receives 30 cents for everyone who does - these funds enable us to further help you and everyone else find the best free computer training and tutorials on the web today.

You can also help support our IT training mission by visiting any of our sponsors in this newsletter or on our site at <http://www.intelinfo.com>.

Good luck with your computer studies and learning.

Warm Regards,

Scott Turton

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

Newsletter Editor and Webmaster

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

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**Community Content:**

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[Create and Send a Greeting Card](#)

[Our Cartoons and Jokes](#)

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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 a short FAQ, please see the end of this newsletter.

The total price to join as a member is only \$10 total for 2 months, \$18.50 for 4 months or \$25.50 for 6 months. 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.intelinfo.com/signup/index.html>

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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 web sites will be added to our Free IT Training & Courses page at <http://www.intelinfo.com/cat1.html> and our Free IT Tutorials and Guides page at <http://www.intelinfo.com/cat2.html> in the coming weeks.

Here is our new free Java Training page, for both beginners and more advanced programmers: [http://www.intelinfo.com/free\\_java\\_training.html](http://www.intelinfo.com/free_java_training.html)

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### Free Computer Courses from EOnlinetraining.com:

<http://www.eonlinetraining.com>

Registration for their free courses is free, then you are also asked to submit your resume to their job search database. Click on the submit button for each free course you want and you are taken back to the home page where you need to sign in with your user name and password to access your free courses.

\*\*\*\*\*

### Free Online Courses from SupportNet Online:

<http://supportnet.merit.edu/>

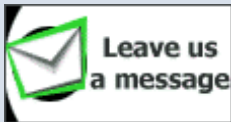
Introduction to Internet Networking - Basics, LAN, IP Addressing and Routing, WAN, DNS and Bind: <http://supportnet.merit.edu/m-intint/index.html>

Internet Security and Legal Issues: <http://supportnet.merit.edu/m-intsec/index.html>

Unix Environments: <http://supportnet.merit.edu/m-unienv/index.html>

Windows NT Environments: <http://supportnet.merit.edu/m-winenv/index.html>

Communicating over the Internet: <http://supportnet.merit.edu/m-comint/index.html>



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**UniversalClass:**

<http://home.universalclass.com/technology/>

UniversalClass is the place to find learners and experts on any topic. Their School of Technology has many computer related and programming classes for free. These are online synchronous classes, meaning they start and end on a specific date. Learners can obtain expertise, knowledge, and a virtual classroom education for free.

\*\*\*\*\*

**CCNA 2.0 Practice Questions:**

<http://onyx.eastlink.ca/>

Free CCNA questions and valuable notes for preparing for CCNA Certification Exam 640-507. The naked truth to win the CCNA certificate. This is without a doubt one of the best free CCNA study and learning sites around.

\*\*\*\*\*

**Certportal.com:**

<http://www.certportal.com/plx-bin/directory.plx>

This is an excellent Certification Study resource site with search functions and thoughtful categories.

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Here are 2 more very good Help Sites where you can ask questions to real IT experts:

**HelpOnThe.Net - Tech Support Guy:**

<http://www.helponthe.net/>

- Tech Support Guy offers free support for users of Microsoft Windows 9x, NT/2000, Linux. This volunteer site has a very active forum area covering a good range of subject areas.

**Ask-A-Tech:**

<http://www.ask-a-tech.org/>

- Provides free web-based technical support and assists people with both common and not so common computer problems. They provide this assistance through Driver Databases, message exchanges, e-mail support and a section on "frequently asked questions".

\*\*\*\*\*

**Internet Essentials Course for Small Businesses:**

<http://webevents.broadcast.com/cisco/sba/index.asp>

A series of free online courses that provide everything you need to know to succeed in the new Internet economy. You'll learn how to market effectively on the Web, implement e-commerce, how to participate in the Internet economy and more. Short courses include: Internet Economy, Internet Basics, E-Commerce Basics, E-Business Basics, Web Marketing, and Building a Plan.

\*\*\*\*\*

**Indiatimes.com Learning Zone:**

Enter your search terms...

...or [browse web pages](#) by category.

**Tell a Friend about this Site!**

**Your Name:**

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**Your Friend's E-mail (use commas if more than 1):**

**Your Comments:**

Receive copy:

<http://infotech.indiatimes.com/articlelist.asp?catkey=11678034&daysactive=100>

These are wonderful and well written free Technical and IT training tutorials covering many areas.

\*\*\*\*\*

**Introduction Training Tutorials from LifeSupportal.com:**

Introduction to XML:

[http://www.lifesupportal.com/lifesupportal/lif\\_itlifexml\\_con\\_en.html](http://www.lifesupportal.com/lifesupportal/lif_itlifexml_con_en.html)

WAP Programming:

[http://www.lifesupportal.com/lifesupportal/lif\\_itlifewap\\_con\\_en.html](http://www.lifesupportal.com/lifesupportal/lif_itlifewap_con_en.html)

PHP Programming:

[http://www.lifesupportal.com/lifesupportal/lif\\_itlifephp\\_con\\_en.html](http://www.lifesupportal.com/lifesupportal/lif_itlifephp_con_en.html)

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**ITworld.com Webcasts:**

<http://www.itworld.com/Webcasts/>

Free Webcasts on a variety of IT and e-Commerce topics.

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**Howstuffworks "Computers!":**

<http://www.howstuffworks.com/category-computers.htm>

Good training tutorial content site covering many technical areas of how computers work and operate.

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**Beowulf Tutorial - Building a Beowulf System:**

<http://www.cacr.caltech.edu/beowulf/tutorial/building.html>

With the power and low prices of today's off-the-shelf PCs and the availability of 100 Mb/s ethernet interconnect, it makes sense to combine them to build High-Performance-Computing and Parallel Computing environment. This is the concept behind the Beowulf parallel computing system. With free Linux and other software packages, no commercially available parallel computing system can compete with the price of the Beowulf system.

\*\*\*\*\*

**Object Oriented Programming Tutorial:**

<http://www.quiver.freemove.co.uk/OOP1.htm>

This tutorial aims to teach you the basics of Object Oriented Programming. It is not tailored to any one specific language, although examples in C++ and Java will be given.

\*\*\*\*\*

**Free Online Training Seminars from Microsoft Multimedia Central:**

<http://www.microsoft.com/seminar/>

Microsoft gives you 291 free training seminars to choose from. Here are 4 of their free SQL Server sessions:

If you would like a **Free Copy** of our current IT Education & Training Newsletter without subscribing:

[Make us your homepage! \(IE only\)](#)

Microsoft SQL Server 7.0: Overview and Strategy:

[http://www.intelinfo.com/links/sql\\_server\\_1.html](http://www.intelinfo.com/links/sql_server_1.html)

Microsoft SQL Server 7.0: Management Tools:

[http://www.intelinfo.com/links/sql\\_server\\_2.html](http://www.intelinfo.com/links/sql_server_2.html)

Upgrading to Microsoft SQL Server Version 7.0:

[http://www.intelinfo.com/links/sql\\_server\\_3.html](http://www.intelinfo.com/links/sql_server_3.html)

Building Great Microsoft SQL Server 7.0 Solutions with Visual Basic:

[http://www.intelinfo.com/links/sql\\_server\\_4.html](http://www.intelinfo.com/links/sql_server_4.html)

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### **3) New Free I.T. Books, Publications & Book Sites:**

These web sites will be added to our Free IT Books page at

[http://www.intelinfo.com/free\\_computer\\_books.html](http://www.intelinfo.com/free_computer_books.html)

#### **Free Online Books from cma.zdnet.com:**

Upgrading & Repairing PCs Eighth Edition:

<http://cma.zdnet.com/book/upgraderepair/index.htm>

Laura Lemay's Guide to Sizzling Web Sites:

<http://cma.zdnet.com/book/webdesign/sws10.htm>

Special Edition Using Microsoft Visual Studio for Enterprise Development:

<http://cma.zdnet.com/book/visualstudio/index.htm>

The Cold Fusion Web Database Construction Kit:

<http://cma.zdnet.com/book/coldfusion/index.htm>

Designing and Implementing Microsoft Proxy Server:

<http://cma.zdnet.com/book/msproxyserver/index.html>

Quicken 98 - 6 part free online book:

<http://cma.zdnet.com/book/quicken/index.htm>

Teach Yourself Microsoft FrontPage 98 in a Week, 2nd ed.:

<http://cma.zdnet.com/book/frontpage98/index.htm>

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#### **National Academy Press:**

<http://www.nap.edu/>

Many books are available for free on this site. They have over 80 free books in their Computer Science Category listed here:

[http://www.intelinfo.com/links/nap\\_comp\\_sci\\_books.html](http://www.intelinfo.com/links/nap_comp_sci_books.html)

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#### **Designing and Building Parallel Programs:**

<http://www-unix.mcs.anl.gov/dbpp/>

This free book approaches parallel programming as an engineering activity, in which programs are developed in a methodical fashion. It is intended as both an introduction to parallel programming and a practitioner's guide for programmers, engineers, and scientists developing programs for parallel and distributed computer systems

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**Swing:**

<http://manning.spindoczone.com/sbe/>

Official web-site for the book Swing, a fast-paced guide with code examples, by Matthew Robinson and Pavel Vorobiev. Covers all Swing components, contains unique, detailed examples, Advanced Tables, Trees, Text, L&F, MDI, and printing and Java2D with Swing. Page down to the bottom for all the content and chapters.

\*\*\*\*\*

**Introduction to Networking and Data Communications:**

[http://www.linuxports.com/howto/intro\\_to\\_networking/](http://www.linuxports.com/howto/intro_to_networking/)

Most books on the Linux operating system do not cover the data communications aspects of networking. The purpose of this book is to fill this void and introduce the concepts of data communication with a slight leaning towards the Linux operating system.

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**2 Free Computer Networking books online:**

<http://pride.nwsc.k12.ar.us/%7Ehigh/help/books/>

- Special Edition Using NetWare 4.1, 2nd Edition
- Upgrading and Repairing Networks - The Authoritative Guide to Expanding and Maintaining Your Network's Capabilities

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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.intelinfo.com/cat3.html>

**Chris Jesshope's excellent Computer Courses:**

Advanced Computer Systems, great notes via AudioGraph web plug-in, allowing you to watch and listen:

[http://www-ist.massey.ac.nz/~crjessho/comp\\_arch/](http://www-ist.massey.ac.nz/~crjessho/comp_arch/)

Foundations of Computer Science, also with AudioGraph:

<http://www-ist.massey.ac.nz/~crjessho/foundations/index.html>

Architecture and Networks, notes in html and pdf format:

[http://www-ist.massey.ac.nz/~crjessho/comp\\_net/index.html](http://www-ist.massey.ac.nz/~crjessho/comp_net/index.html)

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**QMCS 280 & 281:**

<http://komar.cs.stthomas.edu/qmcs280.htm>

<http://komar.cs.stthomas.edu/qmcs281.htm>

These are beginning and more advanced Java courses with good lecture handouts, previous exams, source code, and resources

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**CS/ECE 354: Machine Organization and Programming:**

<http://www.cs.wisc.edu/~cs354-2/cs354.html>

An introduction to current system structures of control, communication, memories, processors and I/O devices.

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**CPSC 333: Foundations of Software Engineering - Materials**

<http://www.intelinfo.com/links/cpsc333.html>

Great lecture notes are available in both pdf and powerpoint formats for topics such as requirements, analysis, use cases, UML, class diagrams, state diagrams, testing, process models, software process improvement. Other classes, same course:

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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:

**Online Resources for Illinois Institute of Technology's Internet Technology Certificate Program:**

<http://itwebmaster.iit.edu/resources/>

A great selection of categorized online resource pages for Internet technologies, Web development, Business on the web, and Perl, CGI and DHTML.

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**Astetech.com:**

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

Tutorials and source code for all programming languages (C plus plus, Visual Basic, Javascript, Java, CGI, ASP and 50 other languages. Learn from online examples, source codes and books.

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**Simply-Access:**

<http://www.simply-access.com>

Microsoft Access made simple. A beginners guide to MS Access including free tutorials, newsletter, tips and tricks.

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**Li Wei's IT Resource Room:**

<http://li-wei.tripod.com>



This site shares study notes and sample questions on IT knowledge and skills in these areas: Solaris 7, Solaris 2.6 System Administration I & II, MS Windows 2000, and HP-UX. Material for CCNA 2.0 (640-507) is expected to be available by May. These are not brain dumps.

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**Data Acquisition Resource Site:**

<http://daq.virtualave.net>

All you wanted to know about data acquisition, includes free books, documentation, etc.

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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.intelinfo.com/cat6.html>

**TechFest - Programming Languages:**

<http://www.techfest.com/software/index.htm>

Good source for tutorials, resources, FAQs, etc. for all types of programming languages. They also have a networking page here:

<http://www.techfest.com/networking/index.htm> and a hardware page here:

<http://www.techfest.com/hardware/index.htm>

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**eg3.com:**

<http://www.eg3.com/home/index.htm>

A community portal that indexes all the net resources, free software, papers, books, hardware, software, and services of value to the embedded, dsp, soc, and realtime community. This search for "Tutorial" produces some good results:

[http://www.intelinfo.com/links/eg3\\_search.html](http://www.intelinfo.com/links/eg3_search.html)

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**Web Development Sites:**

<http://www.sandhills.cc.nc.us/html.html>

Excellent link site for HTML and Web Programming resources.

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**Binoj's Links page for all the programming languages:**

<http://www.geocities.com/binoj7/>

Excellent link site for Programming Tutorials.

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**Examware - Software for Computing Certification:**

<http://examware.com/download1.html>

- Many providers of IT certification test simulation software for various computing certifications - each provide free evaluation versions and free downloads of their various tests.

**Examware - On-line Tests:**

<http://examware.com/online1.html>

- Links to free IT certification help and preparation sites. Lots of on-line tests here to help you in your quest to earn your IT and computing certifications. Microsoft, Novell, A+ and many more - they're all here. Some are free, others cost.

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**7) New Desktop and Office Application Training Sites:**

These web sites will be added to of Free Office and Desktop Training page at <http://www.intelinfo.com/office.html> . Also, check out our MS Office 2000 Free Training page here: [http://www.intelinfo.com/office\\_2000.html](http://www.intelinfo.com/office_2000.html)

**Catalyst How-to Documents:**

<http://catalyst.washington.edu/catalyst/how-to/>

These documents provide step-by-step instructions to help you and are designed to be simple and straightforward. MS Office and several other software applications covered.

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**Self Study Guides from Lifelong Learning:**

PowerPoint 2000:

<http://goforit.unk.edu/ppt2000/default.htm>

Word 2000:

<http://goforit.unk.edu/word2000/default.htm>

Excel 2000:

<http://goforit.unk.edu/excel2k/default.htm>

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**Try the Learnby Series:**

<http://www.learnbyseries.com/try.cfm>

The Learnbyseries gives you free lessons in Word 2000, Excel 2000, Access 2000 and PowerPoint 2000.

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**Microsoft Office 2000 Tutorials:**

[http://www.intelinfo.com/links/ms\\_office\\_2000\\_tutorials.html](http://www.intelinfo.com/links/ms_office_2000_tutorials.html)

Nine free tutorials from Microsoft covering all of their Office 2000 office productivity applications.

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## 8) I.T. Sites Worth Mentioning:

### **Freebyte's Guide to Free Programming:**

<http://www.freebyte.com/programming/>

Many free programming development tools and utilities are described and linked on this page.

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### **Managing Standards:**

<http://sparc.airtime.co.uk/users/wysywig/wysywig.htm>

Provides guidance and proposes a common solution of "what-is" required to 'Manage and Control large and complex technical systems' from their concept to de-commissioning. Many templates and samples for software development projects are available here.

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### **ResearchIndex: Computer Science Directory:**

<http://citeseer.nj.nec.com/directory.html>

This is part of the The NECI Scientific Literature Digital Library. Many categories of computer science topics to browse for technical papers.

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### **Open Group Publications:**

<http://www.opengroup.org/publications/catalog/web.htm>

The Open Group's publications are now available in full text on the web free of charge.

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### **Moneywords:**

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

Information Technology Business Skills Builder on IT Project Management, Strategic and Project Planning, IT Object-Oriented Development, and Software Development Methodology.

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## 9) Frequently Asked Questions about Technical Training:

Each month Scott Turton will answer one of the frequently asked questions we receive about computer and technical training and career development. They will be archived on a separate FAQ page on our website after several months.

May 2001 FAQ:

How do I start with learning how to program in Java? What do I need to do and how to I do it?

Answer:

This answer is extracted from our new Free Java Training page at [http://www.intelinfo.com/free\\_java\\_training.html](http://www.intelinfo.com/free_java_training.html). Here are my "Java Training Instructions" that I send to people asking for help to getting started with learning Java:

First, download the software tools and then get the free training courses, tutorials, and books that teach you about programming in Java.

Step 1 - Start Learning How to Develop Java Applications and Applets:

Java is an extraordinarily popular programming language. Evidence of that is the significant quantity of tutorial material just waiting for an interested reader. Two of these sites stand out from the pack for beginning programmers.

Richard Baldwin's Java Tutorials:

<http://www.phrantic.com/scoop/toc.htm>

Richard has put together a wonderful series of tutorial pages that have something to offer for every level of Java programmer. You can start with his introductory lessons and eventually study your way all the way to the advanced tutorial. He gives you literally 100s of lessons for free.

The Java Tutorial:

<http://java.sun.com/docs/books/tutorial/>

This is an outstanding on-line book that is now in print as three separate books. The trails through the tutorial sometimes use advanced concepts before they have been introduced, but you can always back up and find an explanation for everything they put in their examples.

Here are some other good beginning Java sites:

<http://heather.cs.ucdavis.edu/~matloff/Java/JavaIntro.html>

A Quick, Painless Introduction to the Java Programming Language

<http://www.webmasterbase.com/printTemplate.php?aid=364>

Getting Started with Java

<http://www.webmasterbase.com/printTemplate.php?aid=381>

Java Language Basics

<http://developer.java.sun.com/developer/onlineTraining/new2java/>

New to Java Programming Center

<http://www.dcs.qmw.ac.uk/~mmh/jlinks.html>

Useful and interesting links for new Java programmers

Step 2 - Get the Compiler:

Once you have the material to read, either on-line or downloaded to your local drive, it's time to get the compiler.

Java 2 JDK: <http://java.sun.com/jdk/>

When you download the Java 2 Software Development Kit, you really get a lot more than just a compiler. You also get everything you need to compile, run, test, and debug a Java program. You can also download the documentation for the Java class Libraries in HTML

format.

Here are some sites that help you set up the Java Development Kit:

<http://www.bcpl.lib.md.us/~pfilner/jdkhowto.html>

Setting Up and Using the JDK - This is another great site where to start out in Java.

<http://csjava.occ.cccd.edu/java/tools.html>

CS 170 Software Tools - Look under sub-heading 'Compilers & Development Tools'

[http://www.intelinfo.com/links/compiling\\_java.html](http://www.intelinfo.com/links/compiling_java.html)

Essentials of the Java Programming Language, Part 1: Lesson 1: Compiling and Running A Simple Program

<http://www.charlesriver.com/books/javagrchap.html>

Graphics Programming with Java: Chapter 2 - Getting, Setting Up, and Using Java

<http://csjava.occ.cccd.edu/~gilberts/jdkinstall/jdk.html>

Using the JDK: This Web page will help you explore the "mechanics" of Java programming.

<http://www.cis.yzu.edu/~john/3701/SDK.html>

Using the Java SDK

Here are more Java links at Sun:

Step 3 - Enter the Code Statements:

Lastly you need to use an editor for entering your source code statements. You could use a simple text editor to write the code, and save it to a file with the extension of .java. Then you would execute the various JDK tools from the command line. However, there is an easier and more efficient method. You can use one of these free Java Integrated Development Environments (IDEs):

JEdit:

<http://www.gjt.org/~sp/jedit.html>

If you are not using a Windows platform, or you want a tool that runs on Windows and other operating systems, then JEdit is a good choice. This tool works on multiple development platforms, such as Windows and Solaris. It works the same no matter which OS is currently running in the background. Once you get it up and running, it runs great using the JDK 1.2.

Step 4 - Start Coding!

Once you get these books and tools installed it's time to start coding those examples and exercises. If you need more information about getting started with programming, take a look at the sites listed in Getting Started in Computer Science:

<http://compsci.about.com/msub29.htm>

If you are looking for more Java information, try the About.com Focus on Java: <http://java.about.com/>

Also, for free Java tutorials and free courses, you should look at my website at <http://www.intelinfo.com/>. On the home page go down to the table on the left and find "Java". Click on the links for free courses and tutorials.

I also have many free Java learning online resources listed in this file:

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

I hope this helps you.  
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