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KEY=A - MELISSA MIYA

PYTHON IN A NUTSHELL

"O'Reilly Media, Inc." *Demonstrates the programming language's strength as a Web development tool, covering syntax, data types, built-ins, the Python standard module library, and real world examples.*

ALGORITHMS IN A NUTSHELL

"O'Reilly Media, Inc." *Creating robust software requires the use of efficient algorithms, but programmers seldom think about them until a problem occurs. Algorithms in a Nutshell describes a large number of existing algorithms for solving a variety of problems, and helps you select and implement the right algorithm for your needs -- with just enough math to let you understand and analyze algorithm performance. With its focus on application, rather than theory, this book provides efficient code solutions in several programming languages that you can easily adapt to a specific project. Each major algorithm is presented in the style of a design pattern that includes information to help you understand why and when the algorithm is appropriate. With this book, you will: Solve a particular coding problem or improve on the performance of an existing solution Quickly locate algorithms that relate to the problems you want to solve, and determine why a particular algorithm is the right one to use Get algorithmic solutions in C, C++, Java, and Ruby with implementation tips Learn the expected performance of an algorithm, and the conditions it needs to perform at its best Discover the impact that similar design decisions have on different algorithms Learn advanced data structures to improve the efficiency of algorithms With Algorithms in a Nutshell, you'll learn how to*

improve the performance of key algorithms essential for the success of your software applications.

R IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *If you're considering R for statistical computing and data visualization, this book provides a quick and practical guide to just about everything you can do with the open source R language and software environment. You'll learn how to write R functions and use R packages to help you prepare, visualize, and analyze data. Author Joseph Adler illustrates each process with a wealth of examples from medicine, business, and sports. Updated for R 2.14 and 2.15, this second edition includes new and expanded chapters on R performance, the ggplot2 data visualization package, and parallel R computing with Hadoop. Get started quickly with an R tutorial and hundreds of examples Explore R syntax, objects, and other language details Find thousands of user-contributed R packages online, including Bioconductor Learn how to use R to prepare data for analysis Visualize your data with R's graphics, lattice, and ggplot2 packages Use R to calculate statistical tests, fit models, and compute probability distributions Speed up intensive computations by writing parallel R programs for Hadoop Get a complete desktop reference to R*

UNIX IN A NUTSHELL

A DESKTOP QUICK REFERENCE - COVERS GNU/LINUX, MAC OS X, AND SOLARIS

"O'Reilly Media, Inc." *As an open operating system, Unix can be improved on by anyone and everyone: individuals, companies, universities, and more. As a result, the very nature of Unix has been altered over the years by numerous extensions formulated in an assortment of versions. Today, Unix encompasses everything from Sun's Solaris to Apple's Mac OS X and more varieties of Linux than you can easily name. The latest edition of this bestselling reference brings Unix into the 21st century. It's been reworked to keep current with the broader state of Unix in today's world and highlight the strengths of this operating system in all its various flavors. Detailing all Unix commands and options, the informative guide provides generous descriptions and examples that put those commands in context. Here are some of the new features you'll find in Unix in a Nutshell, Fourth Edition: Solaris 10, the latest version of the SVR4-based operating system, GNU/Linux, and Mac OS X Bash shell (along with the 1988 and 1993 versions of ksh) tsch shell (instead of the original Berkeley csh) Package management programs, used for program installation on popular GNU/Linux systems, Solaris and Mac OS X GNU Emacs Version 21 Introduction to source code management systems Concurrent versions system Subversion version control system GDB debugger As Unix has progressed, certain commands that were once critical have fallen into disuse. To that end, the book has also dropped material that is no longer relevant, keeping it taut and current. If you're a Unix user or programmer, you'll recognize the value of this complete, up-to-date Unix reference. With chapter overviews, specific examples, and detailed command.*

C# 3.0 IN A NUTSHELL

"O'Reilly Media, Inc." Offers a reference to key C# programming concepts covering language elements, syntax, datatypes, and tasks.

JAVA IN A NUTSHELL

"O'Reilly Media, Inc." With more than 700,000 copies sold to date, *Java in a Nutshell* from O'Reilly is clearly the favorite resource amongst the legion of developers and programmers using Java technology. And now, with the release of the 5.0 version of Java, O'Reilly has given the book that defined the "in a Nutshell" category another impressive tune-up. In this latest revision, readers will find *Java in a Nutshell, 5th Edition*, does more than just cover the extensive changes implicit in 5.0, the newest version of Java. It's undergone a complete makeover--in scope, size, and type of coverage--in order to more closely meet the needs of the modern Java programmer. To wit, *Java in a Nutshell, 5th Edition* now places less emphasis on coming to Java from C and C++, and adds more discussion on tools and frameworks. It also offers new code examples to illustrate the working of APIs, and, of course, extensive coverage of Java 5.0. But faithful readers take comfort: it still hasn't lost any of its core elements that made it such a classic to begin with. This handy reference gets right to the heart of the program with an accelerated introduction to the Java programming language and its key APIs--ideal for developers wishing to start writing code right away. And, as was the case in previous editions, *Java in a Nutshell, 5th Edition* is once again chock-full of poignant tips, techniques, examples, and practical advice. For as long as Java has existed, *Java in a Nutshell* has helped developers maximize the capabilities of the program's newest versions. And this latest edition is no different.

LINUX IN A NUTSHELL

"O'Reilly Media, Inc." Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in *Linux in a Nutshell* are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, *Linux in a Nutshell* brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers

all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions. Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

WEB DESIGN IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *Details a variety of front-end technologies and techniques and reviews Web design fundamentals while explaining how to work with HTML, graphics, and multimedia and interactive applications.*

WEBMASTER IN A NUTSHELL

"O'Reilly Media, Inc." *Details a variety of front-end technologies and techniques and reviews Web design fundamentals while explaining how to work with HTML, graphics, and multimedia and interactive applications.*

C# 4.0 IN A NUTSHELL

THE DEFINITIVE REFERENCE

"O'Reilly Media, Inc." *What people are saying about C# 4.0 in a Nutshell "C# 4.0 in a Nutshell is one of the few books I keep on my desk as a quick reference. It is a book I recommend."--Scott Guthrie, Corporate Vice President, .NET Developer Platform, Microsoft Corporation "A must-read for a concise but thorough examination of the parallel programming features in the .NET Framework 4."--Stephen Toub, Parallel Computing Platform Program Manager, Microsoft "This wonderful book is a great reference for developers of all levels."-- Chris Burrows, C# Compiler Team, Microsoft When you have questions about how to use C# 4.0 or the .NET CLR, this highly acclaimed bestseller has precisely the answers you need. Uniquely organized around concepts and use cases, this fourth edition includes in-depth coverage of new C# topics such as parallel programming, code contracts, dynamic programming, security, and COM interoperability. You'll also find updated information on LINQ, including examples that work with both LINQ to SQL and Entity Framework. This book has all the essential details to keep you on track with C# 4.0. Get up to speed on C# language basics, including syntax, types, and variables Explore advanced topics such as unsafe code and preprocessor directives Learn C# 4.0 features such as dynamic binding, type parameter variance, and optional and named parameters Work with .NET 4's rich set of features for parallel programming, code contracts, and the code security model Learn .NET topics, including XML, collections, I/O and networking, memory management, reflection, attributes, security, and native*

interoperability

LPI LINUX CERTIFICATION IN A NUTSHELL

"O'Reilly Media, Inc." *LPI Linux Certification in a Nutshell, Second Edition* is an invaluable resource for determining what you need to practice to pass the Linux Professional Institute exams. This book will help you determine when you're ready to take the exams, which are technically challenging and designed to reflect the skills that administrators need in real working environments. As more corporations adopt Linux as the networking backbone for their IT systems, the demand for certified technicians will become even greater. Passing the LPI exams will broaden your career options because the LPI is the most widely known and respected Linux certification program in the world. Linux Journal recognized the LPI as the best Training and Certification Program. The exams were developed by the Linux Professional Institute, an international, volunteer-driven organization with affiliates in a dozen countries. The core LPI exams cover two levels. Level 1 tests a basic knowledge of Linux installation, configuration, and command-line skills. Level 2 goes into much more depth regarding system troubleshooting and network services such as email and the Web. The second edition of *LPI Linux Certification in a Nutshell* is a thoroughly researched reference to these exams. The book is divided into four parts, one for each of the LPI exams. Each part features not only a summary of the core skills you need, but sample exercises and test questions, along with helpful hints to let you focus your energies. Major topics include: GNU and Unix commands Linux installation and package management Devices, filesystems, and kernel configuration Text editing, processing, and printing The X Window System Networking fundamentals and troubleshooting Security, including intrusion detection, SSH, Kerberos, and more DNS, DHCP, file sharing, and other networking infrastructure Email, FTP, and Web services Praise for the first edition: "Although O'Reilly's Nutshell series are intended as 'Desktop Reference' manuals, I have to recommend this one as a good all-round read; not only as a primer for LPI certification, but as an excellent introductory text on GNU/Linux. In all, this is a valuable addition to O'Reilly's already packed stable of Linux titles and I look forward to more from the author."--First Monday

STATISTICS IN A NUTSHELL

"O'Reilly Media, Inc." *A clear and concise introduction and reference for anyone new to the subject of statistics.*

VB & VBA IN A NUTSHELL: THE LANGUAGE

"O'Reilly Media, Inc." *Collects and defines the programming languages' statements, procedures, and functions, covering syntax, standard code conventions, differences of operation, data type, undocumented behaviors, and practical applications*

DELPHI IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *With a new name and a new focus on CORBA, database drivers, and Microsoft Back Office applications, Inprise/Borland Delphi is enjoying a resurgence, with a growing user base of programmers who use Delphi for rapid development of enterprise computing applications. Not to rest on success, the latest version of Delphi, Version 5, includes further expansion and refinement of the 3-tier application framework introduced in Delphi 4 and has resulted in a prize-winning product. Delphi in a Nutshell is the first concise reference to Borland/Inprise Delphi available. It succinctly collects all the information you need in one easy-to-use, complete, and accurate volume that goes beyond the product documentation itself. Delphi in a Nutshell starts with the Delphi object model and how to use RTTI (Run Time Type Information) for efficient programming. The rest of the book is the most complete Delphi Pascal language reference available in print, detailing every language element with complete syntax, examples, and methods for use. The book concludes with a look at the compiler, discussing compiler directives in depth.*

WINDOWS XP IN A NUTSHELL

"O'Reilly Media, Inc." *Discusses how to install, run, and configure Windows XP for both the home and office, explaining how to connect to the Internet, design a LAN, and share drives and printers, and includes tips and troubleshooting techniques.*

XML IN A NUTSHELL

"O'Reilly Media, Inc." *A reference to the fundamental rules of XML details tags, grammar, placement, element names, attributes, and syntax.*

C# 7.0 IN A NUTSHELL

THE DEFINITIVE REFERENCE

"O'Reilly Media, Inc." *When you have questions about C# 7.0 or the .NET CLR and its core Framework assemblies, this bestselling guide has the answers you need. Since its debut in 2000, C# has become a language of unusual flexibility and breadth, but its continual growth means there's always more to learn. Organized around concepts and use cases, this updated edition provides intermediate and advanced programmers with a concise map of C# and .NET knowledge. Dive in and discover why this Nutshell guide is considered the definitive reference on C#. Get up to speed on the C# language, from the basics of syntax and variables to advanced topics such as pointers, operator overloading, and dynamic binding Dig deep into LINQ via three chapters dedicated to the topic Explore concurrency and asynchrony, advanced threading, and parallel programming Work with .NET features, including XML, regular expressions, networking, serialization, reflection, application domains, and security Delve into Roslyn, the modular C# 7.0 compiler-as-a-service*

C IN A NUTSHELL

"O'Reilly Media, Inc." *Learning a language--any language--involves a process*

wherein you learn to rely less and less on instruction and more increasingly on the aspects of the language you've mastered. Whether you're learning French, Java, or C, at some point you'll set aside the tutorial and attempt to converse on your own. It's not necessary to know every subtle facet of French in order to speak it well, especially if there's a good dictionary available. Likewise, C programmers don't need to memorize every detail of C in order to write good programs. What they need instead is a reliable, comprehensive reference that they can keep nearby. *C in a Nutshell* is that reference. This long-awaited book is a complete reference to the C programming language and C runtime library. Its purpose is to serve as a convenient, reliable companion in your day-to-day work as a C programmer. *C in a Nutshell* covers virtually everything you need to program in C, describing all the elements of the language and illustrating their use with numerous examples. The book is divided into three distinct parts. The first part is a fast-paced description, reminiscent of the classic Kernighan & Ritchie text on which many C programmers cut their teeth. It focuses specifically on the C language and preprocessor directives, including extensions introduced to the ANSI standard in 1999. These topics and others are covered: Numeric constants Implicit and explicit type conversions Expressions and operators Functions Fixed-length and variable-length arrays Pointers Dynamic memory management Input and output The second part of the book is a comprehensive reference to the C runtime library; it includes an overview of the contents of the standard headers and a description of each standard library function. Part III provides the necessary knowledge of the C programmer's basic tools: the compiler, the make utility, and the debugger. The tools described here are those in the GNU software collection. *C in a Nutshell* is the perfect companion to K&R, and destined to be the most reached-for reference on your desk.

VBSCRIPT IN A NUTSHELL

"O'Reilly Media, Inc." Lightweight yet powerful, VBScript from Microsoft® is used in four main areas: server-side web applications using Active Server Pages (ASP), client-side web scripts using Internet Explorer, code behind Outlook forms, and automating repetitive tasks using Windows Script Host (WSH). *VBScript in a Nutshell, Second Edition* delivers current and complete documentation for programmers and system administrators who want to develop effective scripts. Completely updated for VBScript 5.6, WSH 5.6 and ASP 3.0, *VBScript In a Nutshell, Second Edition* includes updated introductory chapters that will help you keep current with the significant changes since the first edition was published. New chapters introduce the Windows Script Component for creating binary COM components, and the Script Encoder. The main part of the book is a comprehensive reference focusing on VBScript essentials with an alphabetical reference to all statements, keywords and objects, and a section of notes and solutions to real-world gotchas--various undocumented behaviors and aspects of the language--to help you avoid potential problems. Each entry in the reference section details the following: The keyword's syntax, using standard code conventions A list of arguments accepted by the function or procedure, if any exist A discussion of how and where the keyword should be used within the scripting environment A discussion of the differences between the

operation of the keyword in Visual Basic or VBA and in VBScript Regardless of your level of experience programming with VBScript, *VBScript in a Nutshell, Second Edition* is the book you'll want by your side--the most complete, up-to-date, and easy-to-use language reference available.

LINUX KERNEL IN A NUTSHELL

"O'Reilly Media, Inc." *Presents an overview of kernel configuration and building for version 2.6 of the Linux kernel.*

JAVA ENTERPRISE IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *A tutorial and reference to Java-based APIs for application software development covers RMI, IDL, JAXP, JNDI, Java Servlets, and J2EE 1.3.*

ASP IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *ASP in a Nutshell provides the high-quality reference documentation that web application developers really need to create effective Active Server Pages. It focuses on how features are used in a real application and highlights little-known or undocumented features. This book also includes an overview of the interaction between the latest release of Internet Information Server (version 5) and ASP 3.0, with an introduction to the IIS object model and the objects it comprises. The examples shown in this section and throughout the book are illustrated in VBScript. The main components of this book are: Active Server Pages Introduction. Brief overview of the ASP application paradigm with examples in VBScript. Also included is an introduction to Microsoft's Internet Information Server 5.0, the IIS object model, and the objects that it comprises. Object Reference. Each object is discussed in the following manner: descriptions, properties, collections, methods, events, accessory files/required DLLs, and remarks, including real-world uses, tips and tricks, and author's experience (where applicable). The objects--Application, Response, Request, Server, Session, ObjectContext, and ASPError, as well as ASP Directives, Global.ASA, and Server-Side Includes--all follow this paradigm. Component Reference. This section follows the same paradigm found in Object Reference. The discussion covers all of the additional components included with IIS, such as ActiveX Data Objects, the Ad Rotator, the Browser capabilities component, the File System Object, and more. Appendixes. Gives examples in one or two objects and components using Perl, REXX, and Python in ASP. Like other books in the "In a Nutshell" series this book offers the facts, including critical background information, in a no-nonsense manner that users will refer to again and again. It is a detailed reference that enables even experienced web developers to advance their ASP applications to new levels.*

JAVA EXAMPLES

A TUTORIAL COMPANION TO JAVA IN A NUTSHELL

LEARNING THE BASH SHELL

UNIX SHELL PROGRAMMING

"O'Reilly Media, Inc." *O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell. As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides. If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security*

C# IN A NUTSHELL

"O'Reilly Media, Inc." *Offers a reference to key C# programming concepts covering language elements, syntax, datatypes, and tasks.*

SQL IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *SQL in a Nutshell applies the eminently useful "Nutshell" format to Structured Query Language (SQL), the elegant--but complex--descriptive language that is used to create and manipulate large stores of data. For SQL programmers, analysts, and database administrators, the new second edition of SQL in a Nutshell is the essential date language reference for the world's top SQL database products. SQL in a Nutshell is a lean, focused, and thoroughly comprehensive reference for those who live in a deadline-driven world. This invaluable desktop quick reference drills down and documents every SQL command*

and how to use it in both commercial (Oracle, DB2, and Microsoft SQL Server) and open source implementations (PostgreSQL, and MySQL). It describes every command and reference and includes the command syntax (by vendor, if the syntax differs across implementations), a clear description, and practical examples that illustrate important concepts and uses. And it also explains how the leading commercial and open sources database product implement SQL. This wealth of information is packed into a succinct, comprehensive, and extraordinarily easy-to-use format that covers the SQL syntax of no less than 4 different databases. When you need fast, accurate, detailed, and up-to-date SQL information, *SQL in a Nutshell, Second Edition* will be the quick reference you'll reach for every time. *SQL in a Nutshell* is small enough to keep by your keyboard, and concise (as well as clearly organized) enough that you can look up the syntax you need quickly without having to wade through a lot of useless fluff. You won't want to work on a project involving SQL without it.

R IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *Why learn R? Because it's rapidly becoming the standard for developing statistical software. R in a Nutshell provides a quick and practical way to learn this increasingly popular open source language and environment. You'll not only learn how to program in R, but also how to find the right user-contributed R packages for statistical modeling, visualization, and bioinformatics. The author introduces you to the R environment, including the R graphical user interface and console, and takes you through the fundamentals of the object-oriented R language. Then, through a variety of practical examples from medicine, business, and sports, you'll learn how you can use this remarkable tool to solve your own data analysis problems. Understand the basics of the language, including the nature of R objects Learn how to write R functions and build your own packages Work with data through visualization, statistical analysis, and other methods Explore the wealth of packages contributed by the R community Become familiar with the lattice graphics package for high-level data visualization Learn about bioinformatics packages provided by Bioconductor "I am excited about this book. R in a Nutshell is a great introduction to R, as well as a comprehensive reference for using R in data analytics and visualization. Adler provides 'real world' examples, practical advice, and scripts, making it accessible to anyone working with data, not just professional statisticians."*

C++ IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *To-the-point, authoritative, no-nonsense solutions have always been a trademark of O'Reilly books. The In a Nutshell books have earned a solid reputation in the field as the well-thumbed references that sit beside the knowledgeable developer's keyboard. C++ in a Nutshell lives up to the In a Nutshell promise. C++ in a Nutshell is a lean, focused reference that offers practical examples for the most important, most often used, aspects of C++. C++ in a Nutshell packs an enormous amount of information on C++ (and the many libraries*

used with it) in an indispensable quick reference for those who live in a deadline-driven world and need the facts but not the frills. The book's language reference is organized first by topic, followed by an alphabetical reference to the language's keywords, complete with syntax summaries and pointers to the topic references. The library reference is organized by header file, and each library chapter and class declaration presents the classes and types in alphabetical order, for easy lookup. Cross-references link related methods, classes, and other key features. This is an ideal resource for students as well as professional programmers. When you're programming, you need answers to questions about language syntax or parameters required by library routines quickly. What, for example, is the C++ syntax to define an alias for a namespace? Just how do you create and use an iterator to work with the contents of a standard library container? C++ in a Nutshell is a concise desktop reference that answers these questions, putting the full power of this flexible, adaptable (but somewhat difficult to master) language at every C++ programmer's fingertips.

MYSQL IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." When you need to find the right SQL keyword or MySQL client command-line option right away, turn to this convenient reference, known for the same speed and flexibility as the system it covers so thoroughly. MySQL is packed with so many capabilities that the odds of remembering a particular function or statement at the right moment are pretty slim. With MySQL in a Nutshell, you get the details you need, day in and day out, in one concise and extremely well organized book. The new edition contains all the commands and programming information for version 5.1, including new features and language interfaces. It's ideal for anyone using MySQL, from novices who need to get up to speed to advanced users who want a handy reference. Like all O'Reilly Nutshell references, it's easy to use and highly authoritative, written by the editor of the MySQL Knowledge Base at MySQL AB, the creator and owner of MySQL. Inside, you'll find: A thorough reference to MySQL statements, functions, and administrative utilities Several tutorial chapters to help newcomers get started Programming language APIs for PHP, Perl, and C Brief tutorials at the beginning of each API chapter to help anyone, regardless of experience level, understand and master unfamiliar territory New chapters on replication, triggers, and stored procedures Plenty of new examples of how MySQL is used in practice Useful tips to help you get through the most difficult subjects Whether you employ MySQL in a mission-critical, heavy-use environment or for applications that are more modest, this book puts a wealth of easy-to-find information at your fingertips, saving you hundreds of hours of trial and error and tedious online searching. If you're ready to take advantage of everything MySQL has to offer, MySQL in a Nutshell has precisely what it takes.

C# 8.0 IN A NUTSHELL

THE DEFINITIVE REFERENCE

O'Reilly Media *When you have questions about C# 8.0 or .NET Core, this best-selling guide has the answers you need. C# is a language of unusual flexibility and breadth, but with its continual growth there's so much more to learn. In the tradition of the O'Reilly Nutshell guides, this thoroughly updated edition is simply the best one-volume reference to the C# language available today. Organized around concepts and use cases, C# 8.0 in a Nutshell provides intermediate and advanced programmers with a concise map of C# and .NET knowledge that also plumbs significant depths. Get up to speed on C#, from syntax and variables to advanced topics such as pointers, closures, and patterns Dig deep into LINQ with three chapters dedicated to the topic Explore concurrency and asynchrony, advanced threading, and parallel programming Work with .NET features, including regular expressions, networking, serialization, spans, reflection, and cryptography Delve into Roslyn, the modular C# compiler as a service*

C# 5.0 IN A NUTSHELL

THE DEFINITIVE REFERENCE

"O'Reilly Media, Inc." *When you have a question about C# 5.0 or the .NET CLR, this bestselling guide has precisely the answers you need. Uniquely organized around concepts and use cases, this updated fifth edition features a reorganized section on concurrency, threading, and parallel programming—including in-depth coverage of C# 5.0's new asynchronous functions. Shaped by more than 20 expert reviewers, including Microsoft's Eric Lippert, Stephen Toub, Chris Burrows, and Jon Skeet, this book has all you need to stay on track with C# 5.0. It's widely known as the definitive reference on the language. Get up to speed on C# language basics, including syntax, types, and variables Explore advanced topics such as unsafe code and type variance Dig deep into LINQ via three chapters dedicated to the topic Learn about code contracts, dynamic programming, and parallel programming Work with .NET features, including reflection, assemblies, memory management, security, I/O, XML, collections, networking, and native interoperability "C# 5.0 in a Nutshell is one of the few books I keep on my desk as a quick reference." —Scott Guthrie, Microsoft "Whether you're a novice programmer or an expert who wants to improve your knowledge of modern asynchronous programming techniques, this book has the information you need to get the job done in C#." —Eric Lippert, Microsoft*

LEARNING SQL

MASTER SQL FUNDAMENTALS

O'Reilly Media *Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, Learning SQL, Second Edition, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous*

illustrations and annotated examples. Exercises at the end of each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With Learning SQL, you'll quickly learn how to put the power and flexibility of this language to work.

R IN A NUTSHELL

"O'Reilly Media, Inc." *"R in a Nutshell" provides a quick and practical way to learn this increasingly popular open source language and environment. Readers will not only learn how to program in R, but also how to find the right user-contributed R packages for statistical modeling, visualization, and bioinformatics.*

C IN A NUTSHELL

THE DEFINITIVE REFERENCE

"O'Reilly Media, Inc." *The new edition of this classic O'Reilly reference provides clear, detailed explanations of every feature in the C language and runtime library, including multithreading, type-generic macros, and library functions that are new in the 2011 C standard (C11). If you want to understand the effects of an unfamiliar function, and how the standard library requires it to behave, you'll find it here, along with a typical example. Ideal for experienced C and C++ programmers, this book also includes popular tools in the GNU software collection. You'll learn how to build C programs with GNU Make, compile executable programs from C source code, and test and debug your programs with the GNU debugger. In three sections, this authoritative book covers: C language concepts and language elements, with separate chapters on types, statements, pointers, memory management, I/O, and more The C standard library, including an overview of standard headers and a detailed function reference Basic C programming tools in the GNU software collection, with instructions on how use them with the Eclipse IDE*

PHP IN A NUTSHELL

A DESKTOP QUICK REFERENCE

"O'Reilly Media, Inc." *Now installed on more than 20 million Internet domains around the world, PHP is an undisputed leader in web programming languages. Database connectivity, powerful extensions, and rich object-orientation are all reasons for its popularity, but nearly everyone would agree that, above all, PHP is one of the easiest languages to learn and use for developing dynamic web applications. The ease of development and simplicity of PHP, combined with a large community and expansive repository of open source PHP libraries, make it a favorite of web designers and developers worldwide. PHP in a Nutshell is a complete reference to the core of the language as well as the most popular PHP extensions.*

This book doesn't try to compete with or replace the widely available online documentation. Instead, it is designed to provide depth and breadth that can't be found elsewhere. PHP in a Nutshell provides the maximum information density on PHP, without all the fluff and extras that get in the way. The topic grouping, tips, and examples in this book complement the online guide and make this an essential reference for every PHP programmer. This book focuses on the functions commonly used by a majority of developers, so you can look up the information you need quickly. Topics include: Object-oriented PHP Networking String manipulation Working with files Database interaction XML Multimedia creation Mathematics Whether you're just getting started or have years of experience in PHP development, PHP in a Nutshell is a valuable addition to your desk library.

C# 9.0 IN A NUTSHELL

"O'Reilly Media, Inc." *When you have questions about C# 9.0 or .NET 5, this best-selling guide has the answers you need. C# is a language of unusual flexibility and breadth, but with its continual growth there's so much more to learn. In the tradition of O'Reilly's Nutshell guides, this thoroughly updated edition is simply the best one-volume reference to the C# language available today. Organized around concepts and use cases, C# 9.0 in a Nutshell provides intermediate and advanced programmers with a concise map of C# and .NET that also plumbs significant depths. Get up to speed on C#, from syntax and variables to advanced topics such as pointers, records, closures, and patterns Dig deep into LINQ with three chapters dedicated to the topic Explore concurrency and asynchrony, advanced threading, and parallel programming Work with .NET features, including regular expressions, networking, spans, reflection, and cryptography*

PYTHON AND HDF5

"O'Reilly Media, Inc." *Gain hands-on experience with HDF5 for storing scientific data in Python. This practical guide quickly gets you up to speed on the details, best practices, and pitfalls of using HDF5 to archive and share numerical datasets ranging in size from gigabytes to terabytes. Through real-world examples and practical exercises, you'll explore topics such as scientific datasets, hierarchically organized groups, user-defined metadata, and interoperable files. Examples are applicable for users of both Python 2 and Python 3. If you're familiar with the basics of Python data analysis, this is an ideal introduction to HDF5. Get set up with HDF5 tools and create your first HDF5 file Work with datasets by learning the HDF5 Dataset object Understand advanced features like dataset chunking and compression Learn how to work with HDF5's hierarchical structure, using groups Create self-describing files by adding metadata with HDF5 attributes Take advantage of HDF5's type system to create interoperable files Express relationships among data with references, named types, and dimension scales Discover how Python mechanisms for writing parallel code interact with HDF5*

UML 2.0 IN A NUTSHELL

"O'Reilly Media, Inc." *This comprehensive guide has been fully revised to cover*

UML 2.0, today's standard method for modelling software systems. Filled with concise information, it's been crafted to help IT professionals read, create, and understand system artefacts expressed using UML. Includes an example-rich tutorial for those who need familiarizing with the system.

PYTHON COOKBOOK

RECIPES FOR MASTERING PYTHON 3

"O'Reilly Media, Inc." *If you need help writing programs in Python 3, or want to update older Python 2 code, this book is just the ticket. Packed with practical recipes written and tested with Python 3.3, this unique cookbook is for experienced Python programmers who want to focus on modern tools and idioms. Inside, you'll find complete recipes for more than a dozen topics, covering the core Python language as well as tasks common to a wide variety of application domains. Each recipe contains code samples you can use in your projects right away, along with a discussion about how and why the solution works. Topics include: Data Structures and Algorithms Strings and Text Numbers, Dates, and Times Iterators and Generators Files and I/O Data Encoding and Processing Functions Classes and Objects Metaprogramming Modules and Packages Network and Web Programming Concurrency Utility Scripting and System Administration Testing, Debugging, and Exceptions C Extensions*

PYTHON IN A NUTSHELL

"O'Reilly Media, Inc." *Demonstrates the programming language's strength as a Web development tool, covering syntax, data types, built-ins, the Python standard module library, and real world examples.*