

C In A Nutshell

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.

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.

Offers a reference to key C# programming concepts covering language elements, syntax, datatypes, and tasks.

A clear and concise introduction and reference for anyone new to the subject of statistics.

Perl in a Nutshell

C in a Nutshell

Windows Vista in a Nutshell

Delphi in a Nutshell

Programming with Curses

C is one of the oldest programming languages and still one of the most widely used. Whether you’re an experienced C programmer or you’re new to the language, you know how frustrating it can be to hunt through hundreds of pages in your reference books to find that bit of information on a certain function, type or other syntax element. Or even worse, you may not have your books with you. Your answer is the C Pocket Reference. Concise and easy to use, this handy pocket guide to C is a must-have quick reference for any C programmer. It’s the only C reference that fits in your pocket and is an excellent companion to O’Reilly’s other C books. Ideal as an introduction for beginners and a quick reference for advanced programmers, the C Pocket Reference consists of two parts: a compact description of the C language and a thematically structured reference to the standard library. The representation of the language is based on the ANSI standard and includes extensions introduced in 1999. An index is included to help you quickly find the information you need. This small book covers the following: C language fundamentals Data types Expressions and operators C statements Declarations Functions Preprocessor directives The standard library C 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 LLD and GRUB boot options. There’s also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, awk, 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.

This unique reference thoroughly documents every important setting and feature in Microsoft’s new operating system, with alphabetical listings for hundreds of commands, windows, menus, listboxes, buttons, scrollbars and other elements of Windows Vista. With this book’s simple organization, you’ll easily find any setting, tool, or feature for the task you want to accomplish. Along with a system overview that highlights major changes, and a tour of the basics such as manipulating files and getting around the interface, Windows Vista in a Nutshell offers alphabetized references for these topics: The User Interface: Covers the Sidebar, Aero Glass, the new Control Panel layout, and applets, as well as how to customize animated windows, the desktop, Start menu, pop-up windows on the Taskbar, and more. The File System, Drives, Data, and Search: Discusses working with the new Windows Explorer, Virtual Folders, searches, indexing, saved searches, metadata, and sharing. The Internet and Networking: Examines TCP/IP, RSS, tabbed browsing, and anti-phishing features of Internet Explorer, plus cookie handling, parental control features, and more. Networking and Wireless: Offers an illustrated, step-by-step guide to setting up a home network; covers the New Network Center, Sync Center, Hot Spot access, wireless management, collaboration, and sharing. Working with Hardware: Describes how to set up, maintain, and troubleshoot hardware—including keyboards, mice, monitors, USB devices, scanners, cameras, and sound devices—and how to add, install, and troubleshoot drivers. Security: Includes the Security Center, Windows Defender, User Account Protection, System Protection, Network Access Protection, WiFi encryption, Windows Firewall, file encryption, and more. Mobility: Explains Mobility Center settings, plugging a secondary monitor into your computer, and the new “network projection” feature for making presentations. Multimedia: Covers Windows Photo Gallery, Media Center, podcasting features, connecting to and syncing with MP3 players, recording TV and videos, making videos with Windows Movie Maker, and burning CDs and DVDs. The Command Prompt: Provides commands for working with files, utilities for troubleshooting the network, and instructions on how to create your own batch files. Appendices include information on installation, keyboard shortcuts, common filename extensions, and more. Windows Vista in a Nutshell is your one-stop source for everything you need from Microsoft’s latest operating system.

A first book for C programmers transitioning to C++, an object-oriented enhancement of the C programming language. Designed to get readers up to speed quickly, this book thoroughly explains the important concepts and features and gives brief overviews of the rest of the language. Covers features common to all C++ compilers, including those on UNIX, Windows NT, Windows, DOS, and Macs

C Pocket Reference

A Desktop Quick Reference for IOS on IP Networks

Statistics in a Nutshell

Nutshell

Learning Go Programming

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 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 LLD and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, awk, 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.

A new high-level book for professionals from Atlantis Press providing an overview of nanotechnologies now and their applications in a broad variety of fields, including information and communication technologies, environmental sciences and engineering, societal life, and medicine, with provision of customized treatments. The book shows where nanotechnology is now - a fascinating time when the science is transitioning into complex systems with impact on new products. Present and future developments are addressed, as well as a larger number of new industrial and research opportunities deriving from this domain. An overview for professionals, researchers and policy-makers of this very rapidly expanding field. Brief chapters and colour figures with a contained overall length make the book attractive at an attractive price - a must for every professional's shelf. Mihail C. Roco, National Science Foundation and National Nanotechnology Initiative, wrote the preface underlining the importance and weight of the present book to this exciting and epoch-awakening field of research and applications: "Nanotechnology is well recognized as a science and technology megatrend for the beginning of the 21st century. This book aims to show where nanotechnology is now - transitioning to complex systems and fundamentally new products - and communicates the societal promise of nanotechnology to specialists and the public. Most of what has already made it into the marketplace is in the form of "First Generation" products, passive nanostructures with steady behaviour. Many companies have "Second Generation" products, active nanostructures with changing behaviour during use, and embryonic "Third Generation" products, including 3-dimensional nanosystems. Concepts for "Fourth Generation" products, including heterogeneous molecules, are only in research."

With more than 700,000 copies sold to date, Java in a Nutshell from O'Reilly is clearly the favorite resource amongst the legions 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 Javaprogramming 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 longas 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.

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) tcsh 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# 5.0 in a Nutshell

Cisco IOS in a Nutshell

Nanotechnology in a Nutshell

Java in a Nutshell

Unix in a Nutshell

An insightful guide to learning the Go programming language About This Book Insightful coverage of Go programming syntax, constructs, and idioms to help you understand Go code effectively Push your Go skills, with topics such as, data types, channels, concurrency, object-oriented Go, testing, and network programming Each chapter provides working code samples that are designed to help reader quickly understand respective topic Who This Book Is For If you have prior exposure to programming and are interested in learning the Go programming language, this book is designed for you. It will quickly run you through the basics of programming to let you exploit a number of features offered by Go programming language. What You Will Learn Install and configure the Go development environment to quickly get started with your first program. Use the basic elements of the language including source code structure, variables, constants, and control flow primitives to quickly get started with Go Gain practical insight into the use of Go's type system including basic and composite types such as maps, slices, and structs. Use interface types and techniques such as embedding to create idiomatic object-oriented programs in Go. Develop effective functions that are encapsulated in well-organized package structures with support for error handling and panic recovery. Implement goroutine, channels, and other concurrency primitives to write highly-concurrent and safe Go code Write tested and benchmarked code using Go's built test tools Access OS resources by calling C libraries and interact with program environment at runtime In detail The Go programming language has firmly established itself as a favorite for building complex and scalable system applications. Go offers a direct and practical approach to programming that lets programmers write correct and predictable code using concurrency idioms and a full-featured standard library. This is a step-by-step, practical guide full of real world examples to help you get started with Go in no time at all. We start off by understanding the fundamentals of Go, followed by a detailed description of the Go data types, program structures and Maps. After this, you learn how to use Go concurrency idioms to avoid pitfalls and create programs that are exact in expected behavior. Next, you will be familiarized with the tools and libraries that are available in Go for writing and exercising tests, benchmarking, and code coverage. Finally, you will be able to utilize some of the most important features of Go such as, Network Programming and OS integration to build efficient applications. All the concepts are explained in a crisp and concise manner and by the end of this book; you would be able to create highly efficient programs that you can deploy over cloud. Style and approach The book is written to serve as a reader-friendly step-by-step guide to learning the Go programming language. Each topic is sequentially introduced to build on previous materials covered. Every concept is introduced with easy-to-follow code examples that focus on maximizing the understanding of the topic at hand.

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

Learn 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 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.

Practical C++ Programming thoroughly covers: C++ syntax · Coding standards and style · Creation and use of object classes · Templates · Debugging and optimization · Use of the C++ preprocessor · File input/output.

C# 6.0 in a Nutshell

C# 9.0 in a Nutshell

C in a Nutshell A Desktop Quick Reference

Python in a Nutshell

From the Mixed-Up Files of Mrs. Basil E. Frankweiler

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

This complete guide to the Perl programming language ranges widely through the Perl programmer's universe, gathering together in a convenient form a wealth of information about Perl itself and its application to CGI scripts, XML processing, network programming, database interaction, and graphical user interfaces. The book is an ideal reference for experienced Perl programmers and beginners alike.With more than a million dedicated programmers, Perl is proving to be the best language for the latest trends in computing and business, including network programming and the ability to create and manage web sites. It's a language that every Unix system administrator and serious web developer needs to know. In the past few years, Perl has found its way into complex web applications of multinational banks, the U.S. Federal Reserve, and hundreds of large corporations.In this second edition, Perl in a Nutshell has been expanded to include coverage of Perl 5.8, with information on Unicode processing in Perl, new functions and modules that have been added to the core language, and up-to-date details on running Perl on the Win32 platform. The book also covers Perl modules for recent technologies such as XML and SOAP.Here are just some of the topics contained in this book: Basic Perl reference Quick reference to built-in functions and standard modules CGI.pm and mod_perl XML:: modules DBI, the database-independent API for Perl Sockets programming LWP, the library for Web programming in Perl Network programming with the Net modules Perl/Tk, the Tk extension to Perl for graphical interfaces Modules for interfacing with Win32 systems As part of the successful "in a Nutshell" book series from O'Reilly & Associates, Perl in a Nutshell is for readers who want a single reference for all their needs."In a nutshell, Perl is designed to make the easy jobs easy, without making the hard jobs impossible."-- Larry Wall, creator of Perl

When you have questions about C# 8.0 or the .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# 3.0 in a Nutshell

Effective C

From Simple to Complex Systems

A Desktop Quick Reference

A Novel

C in a NutshellThe Definitive ReferenceO'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 book’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.

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 won’t 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

Now available in a deluxe keepsake edition! A Time Best YA Book of All Time (2021) Run away to the Metropolitan Museum of Art with E. L. Konigsbrog’s beloved classic and Newbery Medal–winning novel From the Mixed-Up Files of Mrs. Basil E. Frankweiler. When Claudia decided to run away, she planned very carefully. She would be gone just long enough to teach her parents a lesson in Claudia cooperation. And she would go in comfort—she would live at the Metropolitan Museum of Art. She saved her money, and she invited her brother Jamie to go, mostly because he was a miser and would have money.

Claudia was a good organizer and Jamie had some ideas, too; so the two took up residence at the museum right on schedule. But once the fun of settling in was over, Claudia had two unexpected problems: She felt just the same, and she wanted to feel different; and she found a statue at the Museum so beautiful she could not go home until she had discovered its maker, a question that baffled the experts, too. The former owner of the statue was Mrs. Basil E. Frankweiler. Without her—well, without her, Claudia might never have found a way to go home.

C# 4.0 in a Nutshell

C# 8.0 in a Nutshell

Algorithms in a Nutshell

C in a Nutshell

“Covers .NET 4.6 & the Roslyn compiler”–Cover. Understanding windows; Terminal independence; The curses library; Sample program; Quick reference. “The bulk of the book is a complete ordered reference to the Delphi language set. Each reference item includes: the syntax, using standard code conventions; a description; a list of arguments, if any, accepted by the function or procedure; tips and tricks of usage - practical information on using the language feature in real programs; a brief example; and a cross-reference to related keywords.”–Jacket.

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, reflection, application domains, and security Delve into Roslyn, the modular C# compiler-as-a-service

A Desktop Quick Reference · Covers GNU/Linux, Mac OS X, and Solaris

The Core Language

PHP in a Nutshell

Practical C++ Programming

An Introduction to Professional C Programming

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: PHP Networking, string manipulation, Working with files Database String 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.

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.

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.

“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 bestselling guide 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 dynamic programming, secure, 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

Title from resource description page. - Includes index
Linux in a Nutshell
R in a Nutshell
UML 2.0 in a Nutshell
Linux Kernel in a Nutshell

A guide to router configuration and the IOS operating system explores the Cisco user interface, configuring lines, access lists, routing protocols, dial-on-demand routing, and security issues. When you have questions about C# 10.0 or .NET 6, this bestselling 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, this comprehensive and complete reference provides intermediate and advanced programmers with a concise map of C# and .NET that also plumbs significant depths.

New from the bestselling author of Atonement and The Children Act Trudy has betrayed her husband, John. She’s still in the marital home—a dilapidated, priceless London townhouse—but John’s not there. Instead, she’s with his brother, the profoundly banal Claude, and the two of them have a plan. But there is a witness to their plot: the inquisitive, nine-month-old resident of Trudy’s womb. Told from a perspective unlike any other, Nutshell is a classic tale of murder and deceit from one of the world’s master storytellers.

Presents an overview of kernel configuration and building for version 2.6 of the Linux kernel.

C# 10 in a Nutshell

C# 7.0 in a Nutshell

C# 10 in a Nutshell

C Syntax and Fundamentals

C++ in a Nutshell

A detailed introduction to the C programming language for experienced programmers. The world runs on code written in the C programming language, yet most schools begin the curriculum with Python or Java. Effective C bridges this gap and brings C into the modern era—covering the modern C17 Standard as well as potential C2x features. With the aid of this instant classic, you'll soon be writing professional, portable, and secure C programs to power robust systems and solve real-world problems. Robert C. Seacord debates in the C community. Developed together with other C Standards committee experts, Effective C will teach you how to debug, test, and analyze C programs. You'll benefit from Seacord's concise explanations of C language constructs and behaviors, and from his 40 years of coding experience. You'll learn · How to identify and handle undefined behavior in a C program · The range and representations of integers and floating-point values · How dynamic memory allocation works and how to use nonstandard functions using C Standard streams and POSIX file descriptors · How to understand the C compiler's translation phases and the role of the preprocessor · How to test, debug, and analyze C programs Effective C will teach you how to write professional, secure, and portable C code that will stand the test of time and help strengthen the foundation of the computing world.

C++

Nuclear Physics in a Nutshell

The Definitive Reference