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The Definitive Reference



Joseph Albahari

C In A Nutshell

Joseph Albahari, Ben Albahari



C In A Nutshell:

C in a Nutshell Peter Prinz, Tony Crawford, 2005-12-16 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; 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.

C in a Nutshell Peter Prinz, Tony Crawford, 2015 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 to use them with the Eclipse IDE.

C# in a Nutshell Peter Drayton, Ben Albahari, Ted Neward, 2003 Updated for .NET Framework Version 1.1 *C in a Nutshell* 2nd Edition is a succinct but detailed reference to the essential C language and the .NET types. Each chapter begins with an overview of a .NET namespace and a diagram of its types, including a quick reference entry for each type with name, assembly, category, description, member availability, class hierarchy, and other relevant information, such as whether the type is part of the ECMA CLI specification.

C# 12 in a Nutshell Joseph Albahari, 2023-11-13 When you have questions about C# 12 or .NET 8, this best-selling guide has the answers you need. C# is a language of unusual flexibility and breadth, and with its continual growth, there's always 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. Aimed at intermediate and advanced programmers, this is a book whose explanations get straight to the point, covering C# the CLR and the core .NET libraries in depth without long intros or bloated samples. 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, assemblies, spans, cryptography, and reflection.

C# 8.0 in a Nutshell Joseph Albahari, Eric Johansson, 2020-04-21

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 Joseph Albahari, Ben Albahari, 2012-06-19

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

C# 7.0 in a Nutshell Joseph Albahari, Ben Albahari, 2017-10-11

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# 10 in a Nutshell** Joseph Albahari,2022 C# 6.0 in a Nutshell Joseph Albahari,Ben Albahari,2015-11-04 When you have a question about C 6 0 or the NET CLR this bestselling guide has precisely the answers you need Uniquely organized around concepts and use cases this updated sixth edition includes completely revised and updated information on all the new C 6 0 language features Shaped by expert reviewers this book has all you need to stay on track with C 6 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# 4.0 in a Nutshell** Joseph Albahari,Ben Albahari,2010-01-20 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 **Programming Visual Basic .NET** Dave Grundgeiger,2002 This is a programmer s complete guide to Visual Basic NET Starting with a sample application and a high level map the book jumps right into showing how the parts of NET fit with VB NET Topics include the common language runtime Windows Forms ASP NET Web Forms Web Services ADO NET transactional applications internationalization

security and debugging **Roget's Thesaurus of English Words and Phrases** Christopher Orlando Sylvester
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