

Java Complete Reference 6th Edition Free

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Java: The Complete Reference, Eleventh Edition
- Herbert Schildt 2018-12-14

The definitive guide to Java programming—thoroughly revised for long-term support release Java SE 11 Fully updated for the current version of Java, Java SE 11, this practical guide from Oracle Press shows, step by step, how to design, write, troubleshoot, run, and maintain high-performance Java programs. Inside, bestselling author Herbert Schildt covers the entire Java language, including its syntax, keywords, and libraries. The book lays out cutting-edge programming techniques and best practices. Java: The Complete Reference, Eleventh Edition features clear explanations, detailed code samples, and real-world examples that demonstrate how Java can be put to work in the real world. JavaBeans, servlets, applets, Swing, lambda expressions, multithreading, and the default interface method are thoroughly discussed. You will get full details on all of the new features and functions available in Java SE 11. •Designed for novice, intermediate, and professional programmers alike•Source code for all examples and projects are available for download•Written in the clear, uncompromising style Herb Schildt is famous for

Linux All-in-One For Dummies - Emmett Dulaney 2010-08-20

A complete guide and reference to five major Linux distributions Linux continues to grow in popularity worldwide as a low-cost, reliable operating system for enterprise use. Nine minibooks in this guide cover everything administrators need to know about the five

leading versions: Ubuntu, Fedora Core, OpenSUSE, Mint, and Mandriva. The companion DVD includes full Ubuntu installations and ISO images for the other four, saving hours of downloading time. The open source Linux operating system is gaining market share around the world for both desktop and server use; this soup-to-nuts guide covers installation and everything else administrators need to know about Ubuntu, Fedora Core, OpenSUSE, Mint, and Mandriva Nine self-contained minibooks cover Linux basics, desktops, networking, Internet, administration, security, Linux servers, programming, and scripting Updated to cover the newest versions of the five top distributions, with complete installation instructions and a DVD including the full Ubuntu installations and ISO images for the others Linux users and administrators will be able to install and sample five popular Linux flavors with the information in Linux All-in-One For Dummies. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Java: The Complete Reference, Eleventh Edition
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The Definitive Java Programming Guide Fully updated for Java SE 11, Java: The Complete Reference, Eleventh Edition explains how to develop, compile, debug, and run Java programs. Best-selling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework,

the stream library, and the concurrency utilities. Swing, JavaBeans, and servlets are examined and numerous examples demonstrate Java in action. Of course, the very important module system is discussed in detail. This Oracle Press resource also offers an introduction to JShell, Java's interactive programming tool. Best of all, the book is written in the clear, crisp, uncompromising style that has made Schildt the choice of millions worldwide. Coverage includes:

- Data types, variables, arrays, and operators
- Control statements
- Classes, objects, and methods
- Method overloading and overriding
- Inheritance
- Local variable type inference
- Interfaces and packages
- Exception handling
- Multithreaded programming
- Enumerations, autoboxing, and annotations
- The I/O classes
- Generics
- Lambda expressions
- Modules
- String handling
- The Collections Framework
- Networking
- Event handling
- AWT
- Swing
- The Concurrent API
- The Stream API
- Regular expressions
- JavaBeans
- Servlets

Much, much more Code examples in the book are available for download at www.OraclePressBooks.com.

A Complete Guide to Programming in C++ - Ulla Kirch-Prinz 2002

This guide was written for readers interested in learning the C++ programming language from scratch, and for both novice and advanced C++ programmers wishing to enhance their knowledge of C++. The text is organized to guide the reader from elementary language concepts to professional software development, with in depth coverage of all the C++ language elements en route.

Spark: The Definitive Guide - Bill Chambers 2018-02-08

Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. You'll explore the basic operations and common functions of Spark's structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end streaming applications. Developers and system administrators will learn the

fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Spark's scalable machine-learning library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasets—Spark's core APIs—through worked examples Dive into Spark's low-level APIs, RDDs, and execution of SQL and DataFrames Understand how Spark runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Spark's stream-processing engine Learn how you can apply MLlib to a variety of problems, including classification or recommendation

Volleyball - George Bulman 1994

JavaScript - David Flanagan 2011-04-25

A revised and updated edition offers comprehensive coverage of ECMAScript 5 (the new JavaScript language standard) and also the new APIs introduced in HTML5, with chapters on functions and classes completely rewritten and updated to match current best practices and a new chapter on language extensions and subsets. Original.

Java 2: The Complete Reference, Fifth Edition - Herbert Schildt 2002-09-03

This book is the most complete and up-to-date resource on Java from programming guru, Herb Schildt -- a must-have desk reference for every Java programmer.

Java: The Complete Reference, Ninth Edition (INKLING CH) - Herbert Schildt 2014-04-08

The Definitive Java Programming Guide Fully updated for Java SE 8, Java: The Complete Reference, Ninth Edition explains how to develop, compile, debug, and run Java programs. Bestselling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles, as well as significant portions of the Java API library. JavaBeans, servlets, applets, and Swing are examined and real-world examples demonstrate Java in action. New Java SE 8 features such as lambda expressions, the stream library, and the default interface method are discussed in detail. This Oracle Press resource also offers a solid introduction to JavaFX. Coverage includes: Data types, variables, arrays, and operators Control

statements
Classes, objects, and methods
Method overloading and overriding
Inheritance
Interfaces and packages
Exception handling
Multithreaded programming
Enumerations, autoboxing, and annotations
The I/O classes
Generics
Lambda expressions
String handling
The Collections Framework
Networking
Event handling
AWT and Swing
The Concurrent API
The Stream API
Regular expressions
JavaFX
JavaBeans
Applets and servlets
Much, much more

Java: The Complete Reference, Tenth Edition - Herbert Schildt 2017-10-06

The Definitive Java Programming Guide Supplement for key JDK 10 new features available from book's Downloads & Resources page at OraclePressBooks.com. Fully updated for Java SE 9, *Java: The Complete Reference, Tenth Edition* explains how to develop, compile, debug, and run Java programs. Bestselling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework, the stream library, and the concurrency utilities. Swing, JavaFX, JavaBeans, and servlets are examined and numerous examples demonstrate Java in action. Of course, the new module system added by Java SE 9 is discussed in detail. This Oracle Press resource also offers an introduction to JShell, Java's new interactive programming tool. Coverage includes:

- Data types, variables, arrays, and operators
- Control statements
- Classes, objects, and methods
- Method overloading and overriding
- Inheritance
- Interfaces and packages
- Exception handling
- Multithreaded programming
- Enumerations, autoboxing, and annotations
- The I/O classes
- Generics
- Lambda expressions
- Modules
- String handling
- The Collections Framework
- Networking
- Event handling
- AWT
- Swing and JavaFX
- The Concurrent API
- The Stream API
- Regular expressions
- JavaBeans
- Servlets
- Much, much more

Code examples in the book are available for download at www.OraclePressBooks.com. TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com.

[Java The Complete Reference, 8th Edition](#) -

Herbert Schildt 2011-06-22

The Definitive Java Programming Guide In *Java: The Complete Reference, Eighth Edition*, bestselling programming author Herb Schildt shows you everything you need to develop, compile, debug, and run Java programs. Updated for Java Platform, Standard Edition 7 (Java SE 7), this comprehensive volume covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key elements of the Java API library. JavaBeans, servlets, applets, and Swing are examined and real-world examples demonstrate Java in action. In addition, new Java SE 7 features such as try-with-resources, strings in switch, type inference with the diamond operator, NIO.2, and the Fork/Join Framework are discussed in detail. Coverage includes: Data types and operators
Control statements
Classes and objects
Constructors and methods
Method overloading and overriding
Interfaces and packages
Inheritance
Exception handling
Generics
Autoboxing
Enumerations
Annotations
The try-with-resources statement
Varargs
Multithreading
The I/O classes
Networking
The Collections Framework
Applets and servlets
JavaBeans
AWT and Swing
The Concurrent API
Much, much more

Linux: The Complete Reference, Sixth Edition - Richard Petersen 2007-12-10

Your one-stop guide to Linux--fully revised and expanded Get in-depth coverage of all Linux features, tools, and utilities from this thoroughly updated and comprehensive resource, designed for all Linux distributions. Written by Linux expert Richard Petersen, this book explains how to get up-and-running on Linux, use the desktops and shells, manage applications, deploy servers, implement security measures, and handle system and network administration tasks. With full coverage of the latest platform, *Linux: The Complete Reference, Sixth Edition* includes details on the very different and popular Debian (Ubuntu) and Red Hat/Fedora software installation and service management tools used by most distributions. This is a must-have guide for all Linux users. Install, configure, and administer any Linux distribution Work with files and folders from the BASH, TCSH, and Z shells Use the GNOME and KDE desktops, X Windows, and display managers Set up office, database,

Internet, and multimedia applications Secure data using SELinux, netfilter, SSH, and Kerberos Encrypt network transmissions with GPG, LUKS, and IPsec Deploy FTP, Web, mail, proxy, print, news, and database servers Administer system resources using HAL, udev, and virtualization (KVM and Xen) Configure and maintain IPv6, DHCPv6, NIS, networking, and remote access Access remote files and devices using NFSv4, GFS, PVFS, NIS, and SAMBA

Java: A Beginner's Guide, Sixth Edition -

Herbert Schildt 2014-05-06

Essential Java Programming Skills--Made Easy! Fully updated for Java Platform, Standard Edition 8 (Java SE 8), *Java: A Beginner's Guide, Sixth Edition* gets you started programming in Java right away. Bestselling programming author Herb Schildt begins with the basics, such as how to create, compile, and run a Java program. He then moves on to the keywords, syntax, and constructs that form the core of the Java language. This Oracle Press resource also covers some of Java's more advanced features, including multithreaded programming, generics, and Swing. Of course, new Java SE 8 features such as lambda expressions and default interface methods are described. An introduction to JavaFX, Java's newest GUI, concludes this step-by-step tutorial. Designed for Easy Learning: Key Skills & Concepts -- Chapter-opening lists of specific skills covered in the chapter Ask the Expert -- Q&A sections filled with bonus information and helpful tips Try This -- Hands-on exercises that show you how to apply your skills Self Tests -- End-of-chapter quizzes to reinforce your skills Annotated Syntax -- Example code with commentary that describes the programming techniques being illustrated The book's code examples are available FREE for download.

C# 4.0 The Complete Reference - Herbert Schildt 2010-04-23

The Definitive Guide to C# "From using LINQ to covariance and from string formatting to optional arguments, Herb's update covers all you need to know about using real-world C# 4.0." —Michael Howard, Microsoft Corporation Bestselling author Herb Schildt has updated and expanded his classic programming reference to cover C# 4.0--the latest release of this powerful, feature-rich language. Using carefully crafted

explanations, insider tips, and hundreds of examples, *C# 4.0: The Complete Reference* offers in-depth details on all aspects of C#, including keywords, syntax, and core libraries. New C# 4.0 features, such as named and optional arguments, the dynamic type, expanded covariance and contravariance capabilities, and support for parallel programming with the Task Parallel Library (TPL) and PLINQ are also discussed. Perfect for beginners and professional C# programmers alike, this expert resource is written in the clear, crisp, uncompromising style that has made Herb the choice of millions worldwide. Begin mastering C# 4.0 today with help from this authoritative volume! Coverage includes: Data types and operators Control statements Classes and objects Constructors, destructors, and methods Interfaces, arrays, enumerations, and structures Method and operator overloading Inheritance and virtual methods Reflection and runtime type ID Exception handling Delegates, properties, events, and indexers Attributes Multithreading and the Task Parallel Library Generics LINQ and PLINQ Lambda expressions Anonymous types Extension methods Named and optional arguments Implicitly typed variables I/O, networking, and collections The preprocessor and much, much more

Java The Complete Reference, Seventh Edition - Herbert Schildt 2006-12-22

Two new chapters on Swing, Java's web application framework Previous editions have sold more than 130,000 copies in the U.S. and hundreds of thousands internationally Three books in one: a rich tutorial, a language reference, and an advanced programming guide **C#** - Herbert Schildt 2002

Learn everything you need to know about Microsoft's new programming language for the .NET platform. Programming guru and best-selling author Herb Schildt presents not only code but valuable insight into best programming practices, so you can implement C# effectively.

Java: A Beginner's Guide, Ninth Edition - Herbert Schildt 2022-01-07

A practical introduction to Java programming—fully revised for the latest version, Java SE 17 Thoroughly updated for Java Platform Standard Edition 17, this hands-on resource shows, step by step, how to get started

programming in Java from the very first chapter. Written by Java guru Herbert Schildt, the book starts with the basics, such as how to create, compile, and run a Java program. From there, you will learn essential Java keywords, syntax, and commands. Java: A Beginner's Guide, Ninth Edition covers the basics and touches on advanced features, including multithreaded programming, generics, Lambda expressions, and Swing. Enumeration, modules, and interface methods are also clearly explained. This guide delivers the appropriate mix of theory and practical coding necessary to get you up and running developing Java applications in no time! Clearly explains all of the new Java SE 17 features Features self-tests, exercises, and downloadable code samples Written by bestselling author and leading Java authority Herbert Schildt

Learning Java - Marc Loy 2020-03-30

If you're new to Java—or new to programming—this best-selling book will guide you through the language features and APIs of Java 11. With fun, compelling, and realistic examples, authors Marc Loy, Patrick Niemeyer, and Daniel Leuck introduce you to Java fundamentals—including its class libraries, programming techniques, and idioms—with an eye toward building real applications. You'll learn powerful new ways to manage resources and exceptions in your applications—along with core language features included in recent Java versions. Develop with Java, using the compiler, interpreter, and other tools Explore Java's built-in thread facilities and concurrency package Learn text processing and the powerful regular expressions API Write advanced networked or web-based applications and services

Swing: A Beginner's Guide - Herbert Schildt 2006-09-29

From the world's bestselling programming author Using the practical pedagogy that has made his other Beginner's Guides so successful, Herb Schildt provides new Swing programmers with a completely integrated learning package. Perfect for the classroom or self-study, Swing: A Beginner's Guide delivers the appropriate mix of theory and practical coding. You will be programming as early as Chapter 1.

Java: A Beginner's Guide, Eighth Edition - Herbert Schildt 2018-11-09

A practical introduction to Java programming—fully revised for long-term support release Java SE 11 Thoroughly updated for Java Platform Standard Edition 11, this hands-on resource shows, step by step, how to get started programming in Java from the very first chapter. Written by Java guru Herbert Schildt, the book starts with the basics, such as how to create, compile, and run a Java program. From there, you will learn essential Java keywords, syntax, and commands. Java: A Beginner's Guide, Eighth Edition covers the basics and touches on advanced features, including multithreaded programming, generics, Lambda expressions, and Swing. Enumeration, modules, and interface methods are also clearly explained. This Oracle Press guide delivers the appropriate mix of theory and practical coding necessary to get you up and running developing Java applications in no time. •Clearly explains all of the new Java SE 11 features•Features self-tests, exercises, and downloadable code samples•Written by bestselling author and leading Java authority Herbert Schildt

Java: A Beginner's Guide, Eighth Edition - Herbert Schildt 2018-11-09

Up-to-Date, Essential Java Programming Skills—Made Easy! Fully updated for Java Platform, Standard Edition 11 (Java SE 11), Java: A Beginner's Guide, Eighth Edition gets you started programming in Java right away. Best-selling programming author Herb Schildt begins with the basics, such as how to create, compile, and run a Java program. He then moves on to the keywords, syntax, and constructs that form the core of the Java language. The book also covers some of Java's more advanced features, including multithreaded programming, generics, lambda expressions, modules, and Swing. As an added bonus, an introduction to JShell, Java's interactive programming tool, is included. Best of all, it's written in the clear, crisp, uncompromising style that has made Schildt the choice of millions worldwide. Designed for Easy Learning: •Key Skills and Concepts—Chapter-opening lists of specific skills covered in the chapter•Ask the Expert—Q&A sections filled with bonus information and helpful tips•Try This—Hands-on exercises that show you how to apply your skills•Self Tests—End-of-chapter quizzes to reinforce your skills•Annotated

Syntax—Example code with commentary that describes the programming techniques being illustrated

Java - Herbert Schildt 2018

With Q&A sections; helpful tips; hands-on exercises; self-tests; and example code; this practical book provides up-to-date; essential Java programming skills; and gets you started programming in Java right away. --

Java: The Complete Reference, Ninth Edition - Herbert Schildt 2014-04-01

The Definitive Java Programming Guide Fully updated for Java SE 8, *Java: The Complete Reference, Ninth Edition* explains how to develop, compile, debug, and run Java programs. Bestselling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles, as well as significant portions of the Java API library. JavaBeans, servlets, applets, and Swing are examined and real-world examples demonstrate Java in action. New Java SE 8 features such as lambda expressions, the stream library, and the default interface method are discussed in detail. This Oracle Press resource also offers a solid introduction to JavaFX. Coverage includes: Data types, variables, arrays, and operators Control statements Classes, objects, and methods Method overloading and overriding Inheritance Interfaces and packages Exception handling Multithreaded programming Enumerations, autoboxing, and annotations The I/O classes Generics Lambda expressions String handling The Collections Framework Networking Event handling AWT and Swing The Concurrent API The Stream API Regular expressions JavaFX JavaBeans Applets and servlets Much, much more

Effective Java - Joshua Bloch 2008-05-08

Are you looking for a deeper understanding of the Java™ programming language so that you can write code that is clearer, more correct, more robust, and more reusable? Look no further! *Effective Java™, Second Edition*, brings together seventy-eight indispensable programmer's rules of thumb: working, best-practice solutions for the programming challenges you encounter every day. This highly anticipated new edition of the classic, Jolt Award-winning work has been thoroughly

updated to cover Java SE 5 and Java SE 6 features introduced since the first edition. Bloch explores new design patterns and language idioms, showing you how to make the most of features ranging from generics to enums, annotations to autoboxing. Each chapter in the book consists of several "items" presented in the form of a short, standalone essay that provides specific advice, insight into Java platform subtleties, and outstanding code examples. The comprehensive descriptions and explanations for each item illuminate what to do, what not to do, and why. Highlights include: New coverage of generics, enums, annotations, autoboxing, the for-each loop, varargs, concurrency utilities, and much more Updated techniques and best practices on classic topics, including objects, classes, libraries, methods, and serialization How to avoid the traps and pitfalls of commonly misunderstood subtleties of the language Focus on the language and its most fundamental libraries: java.lang, java.util, and, to a lesser extent, java.util.concurrent and java.io Simply put, *Effective Java™, Second Edition*, presents the most practical, authoritative guidelines available for writing efficient, well-designed programs.

Effective JavaScript - David Herman 2012

Provides information on how to write better JavaScript programs, covering such topics as functions, arrays, library and API design, and concurrency.

Data Structures and Algorithms in Java -

Michael T. Goodrich 2014-01-28

The design and analysis of efficient data structures has long been recognized as a key component of the Computer Science curriculum. Goodrich, Tomassia and Goldwasser's approach to this classic topic is based on the object-oriented paradigm as the framework of choice for the design of data structures. For each ADT presented in the text, the authors provide an associated Java interface. Concrete data structures realizing the ADTs are provided as Java classes implementing the interfaces. The Java code implementing fundamental data structures in this book is organized in a single Java package, net.datastructures. This package forms a coherent library of data structures and algorithms in Java specifically designed for educational purposes in a way that is

complimentary with the Java Collections Framework.

Teach Yourself Java for Macintosh in 21 Days - Laura Lemay 1996-01-01

Takes a tutorial approach towards developing and serving Java applets, offering step-by-step instruction on such areas as motion pictures, animation, applet interactivity, file transfers, sound, and type. Original. (Intermediate).

Java: A Beginner's Guide, Sixth Edition - Herbert Schildt 2014-05-09

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Starting Out with Java: Early Objects PDF eBook, Global Edition - Tony Gaddis 2015-04-17

This text is intended for use in the Java programming course Tony Gaddis's accessible, step-by-step presentation helps beginning students understand the important details necessary to become skilled programmers at an introductory level. Gaddis motivates the study of both programming skills and the Java programming language by presenting all the details needed to understand the "how" and the "why"—but never losing sight of the fact that

most beginners struggle with this material. His approach is both gradual and highly accessible, ensuring that students understand the logic behind developing high-quality programs. In Starting Out with Java: Early Objects, Gaddis looks at objects—the fundamentals of classes and methods—before covering procedural programming. As with all Gaddis texts, clear and easy-to-read code listings, concise and practical real-world examples, and an abundance of exercises appear in every chapter. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. Enhance Learning with the Gaddis Approach: Gaddis's accessible approach features clear and easy-to-read code listings, concise real-world examples, and exercises in every chapter. Keep Your Course Current: Content is refreshed to provide the most up-to-date information on new technologies for your course. Support Instructors and Students: Student and instructor resources are available to expand on the topics presented in the text. Head First Java - Kathy Sierra 2005-02-09 Learning a complex new language is no easy task especially when it s an object-oriented computer programming language like Java. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? It's like the creators of the Head First approach say, suppose you're out for a hike and a tiger jumps in front of you, what happens in your brain? Neurons fire. Emotions crank up. Chemicals surge. That's how your brain knows. And that's how your brain will learn Java. Head First Java combines puzzles, strong visuals, mysteries, and soul-searching interviews with famous Java objects to engage you in many different ways. It's fast, it's fun, and it's effective. And, despite its playful appearance, Head First Java is serious stuff: a complete introduction to object-oriented

programming and Java. You'll learn everything from the fundamentals to advanced topics, including threads, network sockets, and distributed programming with RMI. And the new, second edition focuses on Java 5.0, the latest version of the Java language and development platform. Because Java 5.0 is a major update to the platform, with deep, code-level changes, even more careful study and implementation is required. So learning the Head First way is more important than ever. If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other Java book you've ever read. By exploiting how your brain works, Head First Java compresses the time it takes to learn and retain--complex information. Its unique approach not only shows you what you need to know about Java syntax, it teaches you to think like a Java programmer. If you want to be bored, buy some other book. But if you want to understand Java, this book's for you.

Modern Java in Action - Raoul-Gabriel Urma
2018-09-26

Summary Manning's bestselling Java 8 book has been revised for Java 9! In *Modern Java in Action*, you'll build on your existing Java language skills with the newest features and techniques. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Modern applications take advantage of innovative designs, including microservices, reactive architectures, and streaming data. Modern Java features like lambdas, streams, and the long-awaited Java Module System make implementing these designs significantly easier. It's time to upgrade your skills and meet these challenges head on! About the Book *Modern Java in Action* connects new features of the Java language with their practical applications. Using crystal-clear examples and careful attention to detail, this book respects your time. It will help you expand your existing knowledge of core Java as you master modern additions like the Streams API and the Java Module System, explore new approaches to concurrency, and learn how functional concepts can help you write code that's easier to read and maintain. What's inside

Thoroughly revised edition of Manning's bestselling Java 8 in Action New features in Java 8, Java 9, and beyond Streaming data and reactive programming The Java Module System About the Reader Written for developers familiar with core Java features. About the Author Raoul-Gabriel Urma is CEO of Cambridge Spark. Mario Fusco is a senior software engineer at Red Hat. Alan Mycroft is a University of Cambridge computer science professor; he cofounded the Raspberry Pi Foundation. Table of Contents PART 1 - FUNDAMENTALS Java 8, 9, 10, and 11: what's happening? Passing code with behavior parameterization Lambda expressions PART 2 - FUNCTIONAL-STYLE DATA PROCESSING WITH STREAMS Introducing streams Working with streams Collecting data with streams Parallel data processing and performance PART 3 - EFFECTIVE PROGRAMMING WITH STREAMS AND LAMBDA Collection API enhancements Refactoring, testing, and debugging Domain-specific languages using lambdas PART 4 - EVERYDAY JAVA Using Optional as a better alternative to null New Date and Time API Default methods The Java Module System PART 5 - ENHANCED JAVA CONCURRENCY Concepts behind CompletableFuture and reactive programming CompletableFuture: composable asynchronous programming Reactive programming PART 6 - FUNCTIONAL PROGRAMMING AND FUTURE JAVA EVOLUTION Thinking functionally Functional programming techniques Blending OOP and FP: Comparing Java and Scala Conclusions and where next for Java

Java: The Complete Reference, Twelfth Edition - Herbert Schildt 2021-11-12

The Definitive Java Programming Guide Fully updated for Java SE 17, *Java™: The Complete Reference, Twelfth Edition* explains how to develop, compile, debug, and run Java programs. Best-selling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework, the stream library, and the concurrency utilities. Swing, JavaBeans, and servlets are examined, and numerous examples demonstrate Java in

action. Of course, recent additions to the Java language, such as records, sealed classes, and switch expressions are discussed in detail. Best of all, the book is written in the clear, crisp, uncompromising style that has made Schildt the choice of millions worldwide. Coverage includes: Data types, variables, arrays, and operators Control statements Classes, objects, and methods Method overloading and overriding Inheritance Interfaces and packages Exception handling Multithreaded programming Enumerations, autoboxing, and annotations The I/O classes Generics Lambda expressions Modules Records Sealed classes Text blocks switch expressions Pattern matching with instanceof String handling The Collections Framework Networking Event handling AWT Swing The Concurrent API The Stream API Regular expressions JavaBeans Servlets Much, much more

Java: The Complete Reference, Tenth Edition - Herbert Schildt 2017-10-11

The Definitive Java Programming Guide Fully updated for Java SE 9, Java: The Complete Reference, Tenth Edition explains how to develop, compile, debug, and run Java programs. Bestselling programming author Herb Schildt covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key portions of the Java API library, such as I/O, the Collections Framework, the stream library, and the concurrency utilities. Swing, JavaFX, JavaBeans, and servlets are examined and numerous examples demonstrate Java in action. Of course, the new module system added by Java SE 9 is discussed in detail. This Oracle Press resource also offers an introduction to JShell, Java's new interactive programming tool. Coverage includes:

- Data types, variables, arrays, and operators
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- Generics
- Lambda expressions
- Modules
- String handling
- The Collections Framework
- Networking
- Event handling
- AWT
- Swing and JavaFX
- The Concurrent API
- The Stream API
- Regular expressions
- JavaBeans
- Servlets

•Much, much more Code examples in the book are available for download at www.OraclePressBooks.com. TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com.

Learning Web Design - Jennifer Robbins 2018-05-11

Do you want to build web pages but have no prior experience? This friendly guide is the perfect place to start. You'll begin at square one, learning how the web and web pages work, and then steadily build from there. By the end of the book, you'll have the skills to create a simple site with multicolumn pages that adapt for mobile devices. Each chapter provides exercises to help you learn various techniques and short quizzes to make sure you understand key concepts. This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels. It is simple and clear enough for beginners, yet thorough enough to be a useful reference for experienced developers keeping their skills up to date. Build HTML pages with text, links, images, tables, and forms Use style sheets (CSS) for colors, backgrounds, formatting text, page layout, and even simple animation effects Learn how JavaScript works and why the language is so important in web design Create and optimize web images so they'll download as quickly as possible NEW! Use CSS Flexbox and Grid for sophisticated and flexible page layout NEW! Learn the ins and outs of Responsive Web Design to make web pages look great on all devices NEW! Become familiar with the command line, Git, and other tools in the modern web developer's toolkit NEW! Get to know the super-powers of SVG graphics

Think Java - Allen B. Downey 2016-05-06

Currently used at many colleges, universities, and high schools, this hands-on introduction to computer science is ideal for people with little or no programming experience. The goal of this concise book is not just to teach you Java, but to help you think like a computer scientist. You'll learn how to program—a useful skill by itself—but you'll also discover how to use programming as a means to an end. Authors Allen Downey and Chris Mayfield start with the most basic concepts and gradually move into topics that are more complex, such as recursion and object-oriented programming. Each brief

chapter covers the material for one week of a college course and includes exercises to help you practice what you've learned. Learn one concept at a time: tackle complex topics in a series of small steps with examples Understand how to formulate problems, think creatively about solutions, and write programs clearly and accurately Determine which development techniques work best for you, and practice the important skill of debugging Learn relationships among input and output, decisions and loops, classes and methods, strings and arrays Work on exercises involving word games, graphics, puzzles, and playing cards

HTML & CSS: The Complete Reference, Fifth Edition - Thomas Powell 2010-01-08

The Definitive Guide to HTML & CSS--Fully Updated Written by a Web development expert, the fifth edition of this trusted resource has been thoroughly revised and reorganized to address HTML5, the revolutionary new Web standard. The book covers all the elements supported in today's Web browsers--from the standard (X)HTML tags to the archaic and proprietary tags that may be encountered. HTML & CSS: The Complete Reference, Fifth Edition contains full details on CSS 2.1 as well as every proprietary and emerging CSS3 property currently supported. Annotated examples of correct markup and style show you how to use all of these technologies to build impressive Web pages. Helpful appendixes cover the syntax of character entities, fonts, colors, and URLs. This comprehensive reference is an essential tool for professional Web developers. Master transitional HTML 4.01 and XHTML 1.0 markup Write emerging standards-based markup with HTML5 Enhance presentation with Cascading Style Sheets (CSS1 and CSS 2.1) Learn proprietary and emerging CSS3 features Learn how to read (X)HTML document type definitions (DTDs) Apply everything in an open standards-focused fashion Thomas A. Powell is president of PINT, Inc. (pint.com), a nationally recognized Web agency. He developed the Web Publishing Certificate program for the University of California, San Diego Extension and is an instructor for the Computer Science Department at UCSD. He is the author of the previous bestselling editions of this book and Ajax: The Complete Reference, and co-author of

JavaScript: The Complete Reference.

Spring in Action, Sixth Edition - Craig Walls 2022-04-05

If you need to learn Spring, look no further than this widely beloved and comprehensive guide! Fully revised for Spring 5.3, and packed with interesting real-world examples to get your hands dirty with Spring. In Spring in Action, 6th Edition you will learn: Building reactive applications Relational and NoSQL databases Integrating via HTTP and REST-based services, and sand reactive RSocket services Reactive programming techniques Deploying applications to traditional servers and containers Securing applications with Spring Security Over the years, Spring in Action has helped tens of thousands of developers get a major productivity boost from Spring. This new edition of the classic bestseller covers all of the new features of Spring 5.3 and Spring Boot 2.4 along with examples of reactive programming, Spring Security for REST Services, and bringing reactivity to your databases. You'll also find the latest Spring best practices, including Spring Boot for application setup and configuration. About the technology Spring is required knowledge for Java developers! Why? Th is powerful framework eliminates a lot of the tedious configuration and repetitive coding tasks, making it easy to build enterprise-ready, production-quality software. The latest updates bring huge productivity boosts to microservices, reactive development, and other modern application designs. It's no wonder over half of all Java developers use Spring. About the book Spring in Action, Sixth Edition is a comprehensive guide to Spring's core features, all explained in Craig Walls' famously clear style. You'll put Spring into action as you build a complete database-backed web app step-by-step. This new edition covers both Spring fundamentals and new features such as reactive flows, Kubernetes integration, and RSocket. Whether you're new to Spring or leveling up to Spring 5.3, make this classic bestseller your bible! What's inside Relational and NoSQL databases Integrating via RSocket and REST-based services Reactive programming techniques Deploying applications to traditional servers and containers About the reader For beginning to intermediate Java developers.

About the author Craig Walls is an engineer at VMware, a member of the Spring engineering team, a popular author, and a frequent conference speaker. Table of Contents PART 1 FOUNDATIONAL SPRING 1 Getting started with Spring 2 Developing web applications 3 Working with data 4 Working with nonrelational data 5 Securing Spring 6 Working with configuration properties PART 2 INTEGRATED SPRING 7 Creating REST services 8 Securing REST 9 Sending messages asynchronously 10 Integrating Spring PART 3 REACTIVE SPRING 11 Introducing Reactor 12 Developing reactive APIs 13 Persisting data reactively 14 Working with RSocket PART 4 DEPLOYED SPRING 15 Working with Spring Boot Actuator 16 Administering Spring 17 Monitoring Spring with JMX 18 Deploying Spring

Java in a Nutshell - David Flanagan 2005-03-15
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 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 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.

Guide to Java - James T. Streib 2014-07-08
This book presents a focused and accessible primer on the fundamentals of Java programming, with extensive use of examples and hands-on exercises. Topics and features: provides an introduction to variables, input/output and arithmetic operations; describes objects and contour diagrams, explains selection structures, and demonstrates how iteration structures work; discusses object-oriented concepts such as overloading and classes methods, and introduces string variables and processing; illustrates arrays and array processing and examines recursion; explores inheritance and polymorphism and investigates elementary files; presents a primer on graphical input/output, discusses elementary exception processing, and presents the basics of Javadoc; includes exercises at the end of each chapter, with selected answers in an appendix and a glossary of key terms; provides additional supplementary information at an associated website.

JavaScript for Impatient Programmers - Axel Rauschmayer 2019-08-30

This book makes JavaScript less challenging to learn for newcomers, by offering a modern view that is as consistent as possible. Highlights: Get started quickly, by initially focusing on modern features. Test-driven exercises and quizzes available for most chapters (sold separately). Covers all essential features of JavaScript, up to and including ES2019. Optional advanced sections let you dig deeper. No prior knowledge of JavaScript is required, but you should know how to program.