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Core Java 2 Volume 2 Advanced Features

Cay S. Horstmann



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Core Java, Volume 2-Advanced Features, 8/E Horstmann, 2008-09 **Core Java** Cay S. Horstmann, 2022-04-19 The Classic Guide to Advanced Java Programming Fully Updated for Java 17 This is the definitive reference and instructional work for Java and the Java ecosystem Andrew Binstock Java Magazine Core Java is the leading no nonsense tutorial and reference for experienced programmers who want to write robust Java code for real world applications Now Core Java Volume II Advanced Features Twelfth Edition has been revised to cover the new features and enhancements in the Java 17 long term support release As always all chapters have been completely updated outdated material has been removed and the new APIs are covered in detail This volume focuses on the advanced topics that a programmer needs to know for professional software development and includes authoritative coverage of enterprise programming networking databases security modularization internationalization code processing and native methods as well as complete chapters on the Streams XML and Date and Time APIs In addition the chapter on Advanced Swing and Graphics covers techniques that are applicable to both client side user interfaces and server side generation of graphics and images Cay S Horstmann clearly explains sophisticated new features with depth and completeness and demonstrates how to use them to build professional quality applications Horstmann s thoroughly tested sample code reflects modern Java style and best practices The examples are carefully crafted for easy understanding and maximum practical value so you can rely on them to jump start your own programs Master advanced techniques idioms and best practices for writing reliable Java code Make the most of enhanced Java I O APIs object serialization and regular expressions Efficiently connect to network services implement servers and the new HTTP 2 client and harvest web data Process code via the Scripting and Compiler APIs and use annotations to generate code and files Deepen your understanding of the Java Platform Module System including recent refinements Leverage the Java security model user authentication and the security librarys cryptographic functions Preview powerful new APIs for accessing foreign functions and memory See Core Java Volume I Fundamentals Twelfth Edition for expert coverage of Java programming fundamentals including objects generics collections lambda expressions concurrency and functional programming Register your book for convenient access to downloads updates and or corrections as they become available See inside book for details **Core Java, Volume II--Advanced Features** Cay S. Horstmann, Gary Cornell, 2008-04-08 The revised edition of the classic Core Java Volume II Advanced Features covers advanced user interface programming and the enterprise features of the Java SE 6 platform Like Volume I which covers the core language and library features this volume has been updated for Java SE 6 and new coverage is highlighted throughout All sample programs have been carefully crafted to illustrate the latest programming techniques displaying best practices solutions to the types of real world problems professional developers encounter Volume II includes new sections on the StAX API JDBC 4 compiler API scripting framework splash screen and tray APIs and many other Java SE 6 enhancements In this book the authors focus on the more

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heavyweight components **Core Java, Volume II-Advanced Features, 8/e** Horstmann,1900 This is the eBook version of the printed book If the print book includes a CD ROM this content is not included within the eBook version The revised edition of the classic Core Java Volume II Advanced Features covers advanced user interface programming and the enterprise features of the Java SE 6 platform Like Volume I which covers the core language and library features this volume has been updated for Java SE 6 and new coverage is highlighted throughout All sample programs have been carefully crafted to illustrate the latest programming techniques displaying best practices solution **Core Java, Volume II--Advanced Features** Cay S. Horstmann,2016-12-06 Core Java has long been recognized as the leading no nonsense tutorial and reference for experienced programmers who want to write robust Java code for real world applications Now Core Java Volume II Advanced Features Tenth Edition has been extensively updated to reflect the most eagerly awaited and innovative version of Java in years Java SE 8 Rewritten and reorganized to illuminate powerful new Java features idioms and best practices for enterprise and desktop development it contains hundreds of up to date example programs all carefully crafted for easy understanding and practical applicability Writing for serious programmers solving real world problems Cay Horstmann deepens your understanding of today s Java language and library In this second of two updated volumes he offers in depth coverage of advanced topics including the new Streams API and date time calendar library advanced Swing security code processing and more This guide will help you Use the new Streams library to process collections more flexibly and efficiently Efficiently access files and directories read write binary or text data and serialize objects Work with Java SE 8 s regular expression package Make the most of XML in Java parsing validation XPath document generation XSL and more Efficiently connect Java programs to network services Program databases with JDBC 4 2 Elegantly overcome date time programming complexities with the new java time API Write internationalized programs with localized dates times numbers text and GUIs Process code with the scripting API compiler API and annotation processors Enforce security via class loaders bytecode verification security managers permissions user authentication digital signatures code signing and encryption Master advanced Swing components for lists tables trees text and progress indicators Produce high quality drawings with the Java 2D API Use JNI native methods to leverage code in other languages If you re an experienced programmer moving to Java SE 8 Core Java Tenth Edition is the reliable practical and complete guide to the Java platform that has been trusted by developers for over twenty years Look for the companion volume Core Java Volume I Fundamentals Tenth Edition ISBN 13 978 0 13 417730 4 for foundational coverage of Java 8 language concepts UI programming objects generics collections lambda expressions concurrency functional programming and more [XML and Java](#) Hiroshi Maruyama,2002 CD ROM contains Ready to run sample programs along with trial versions of WebSphere and DB2 *Core Java 2: Advanced features* Cay S. Horstmann,Gary Cornell,2002 CD ROM contains Vol 1 Complete source code examples J2SE Version 1 3 Forte for Java Community edition Trial versions of other tools [Communicating Process Architectures 2005](#) Jan F. Broenink,2005 Modern

computing systems work when all components are correct by design and can be combined to achieve scalability This publication offers refereed papers covering various aspects such as system design and implementation tools concurrent programming languages libraries and run time kernels and formal methods and applications

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Software Performance and Scalability Henry H. Liu, 2011-09-20 Praise from the Reviewers The practicality of the subject in a real world situation distinguishes this book from others available on the market Professor Behrouz Far University of Calgary This book could replace the computer organization texts now in use that every CS and CpE student must take It is much needed well written and thoughtful Professor Larry Bernstein Stevens Institute of Technology A distinctive educational text on software performance and scalability This is the first book to take a quantitative approach to the subject of software performance and scalability It brings together three unique perspectives to demonstrate how your products can be optimized and tuned for the best possible performance and scalability The Basics introduces the computer hardware and software architectures that predetermine the performance and scalability of a software product as well as the principles of measuring the performance and scalability of a software product Queuing Theory helps you learn the performance laws and queuing models for interpreting the underlying physics behind software performance and scalability supplemented with ready to apply techniques for improving the performance and scalability of a software system API Profiling shows you how to design more efficient algorithms and achieve optimized performance and scalability aided by adopting an API profiling framework

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Core Java, Volume II Cay Horstmann, 2025 The Classic Guide to Advanced Java Programming Fully Updated for Java 21 Core Java is the leading no nonsense tutorial and reference for experienced programmers who want to write robust Java code for real world applications Now Core Java Volume II Fundamentals Thirteenth Edition has been revised to cover the new features and enhancements in the Java 21 long term support release As always all chapters have been completely updated outdated material has been removed and the new APIs are covered in detail This volume focuses on the advanced topics that a programmer needs to know for professional software development and includes authoritative coverage of enterprise programming networking databases security internationalization and native methods as well as complete chapters on the Streams XML Date and Time Scripting and Compilation APIs In addition the chapters on Swing and Graphics cover techniques that are applicable to both client side user interfaces and server side generation of graphics and images Cay S Horstmann clearly explains sophisticated new features with depth and completeness and demonstrates how to use them to build professional quality applications Horstmann's thoroughly tested sample code reflects modern Java style and best practices The examples are carefully crafted for easy understanding and maximum practical value so you can rely on them to jump start your own programs Master advanced techniques idioms and best practices for writing reliable Java code Make the most of enhanced Java I/O APIs object serialization and regular expressions Connect to network services harvest web data with the HTTP 2 client and serve data with the built in web server or implement your own serverProcess code via the Scripting and Compiler APIs Work with the Date and Time API including recent refinements Leverage the Java security model user authentication and the security library's cryptographic functions Preview powerful new APIs for accessing foreign functions and memory This is the definitive reference and instructional work for Java and the Java ecosystem Andrew Binstock Java Magazine See Core Java Volume I Fundamentals Thirteenth Edition for expert coverage of Java programming fundamentals including objects generics collections lambda expressions concurrency and functional programming Register your book for convenient access to downloads updates and or corrections as they become available See inside book for

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aneuploidy and structural abnormalities a normal human cell contains 23 pairs of chromosomes including 22 pairs of autosomes and a pair of sex chromosomes xx or xy aneuploidy involves having one or more extra
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