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CORE JAVA

FUNDAMENTALS

Prentice Hall Core Java has long been recognised as the leading no-nonsense tutorial and reliable reference. It carefully explains the most important language and library features and shows how to build real-world applications with thoroughly tested examples. The example programs have been carefully crafted to be easy to understand as well as useful in practice, so you can rely on them as the starting point for your own code. All of the code examples have been rewritten to reflect modern Java best practices and code style. The critical new features introduced with Java SE 9 are all thoroughly explored with the depth and completeness that readers expect from this title. Core Java Volume I walks readers through the all details and takes a deep dive into the most critical features of the language and core libraries. This guide will help you Leverage your existing programming knowledge to quickly master core Java syntax Understand how encapsulation, classes, and inheritance work in Java Master interfaces, inner classes, and lambda expressions for functional programming Improve program robustness with exception handling and effective debugging Write safer, more readable programs with generics and strong typing Use pre-built collections to collect multiple objects for later retrieval Master concurrent programming techniques from the ground up Build modern cross-platform GUIs with standard Swing components Deploy configurable applications and applets, and deliver them across the Internet

Simplify concurrency and enhance performance with new functional techniques

CORE JAVA VOLUME I--FUNDAMENTALS

Prentice Hall The #1 Guide for Serious Programmers: Fully Updated for Java SE 9, 10 & 11 Cay Horstmann's Core Java, Volume I—Fundamentals, Eleventh Edition, is the definitive guide to writing robust, maintainable code with the Java SE 9, 10, and 11 language and libraries. Horstmann writes for serious programmers who use Java in production projects, and need a deep, practical understanding of the language and API. Throughout, he delivers what you need most: hundreds of real (non-toy) examples revealing the most powerful, effective ways to get the job done. Updated examples reflect the new var keyword and take advantage of improvements in the Java API. You'll learn how to use JShell's new Read-Eval-Print Loop (REPL) for more rapid and exploratory development, and apply new features of the APIs for streams, input/output, processes, and concurrency. In this first of two volumes, Horstmann offers in-depth coverage of fundamental Java and UI programming, including object-oriented programming, generics, collections, lambda expressions, Swing design, concurrency, and functional programming. If you're an experienced programmer moving to Java SE 9, 10, or 11, there's no better source for expert insight, solutions, and code. Master foundational techniques, idioms, and best practices for writing superior Java code Efficiently implement encapsulation and inheritance Use sound principles of object-oriented design Leverage the full power of objects with interfaces, lambda expressions, and inner classes Harden programs through effective exception handling and debugging Write safer, more reusable code with generic programming Improve performance and efficiency with Java's standard collections Build cross-platform GUIs with the Swing toolkit Fully utilize multicore processors with Java's improved concurrency See Core Java, Volume II—Advanced Features, Eleventh Edition (ISBN-13: 978-0-13-516631-4), for expert coverage of Java 9, 10, and 11 enterprise features, the module system, annotations, networking, security, and advanced UI 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

Prentice Hall The #1 Guide to Advanced Java Programming, Fully Updated for Java 11 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, Eleventh Edition, has been

updated for Java 11, with up-to-date coverage of advanced UI and enterprise programming, networking, security, and Java's powerful new module system. Cay S. Horstmann explores sophisticated new language and library features with the depth and completeness that readers expect from Core Java. He demonstrates how to use these features to build professional-quality applications, using thoroughly tested examples that reflect modern Java style and best practices, including modularization. Horstmann's examples are carefully crafted for easy understanding and maximum practical value, so you can consistently use them to jump-start your own code. Master advanced techniques, idioms, and best practices for writing superior Java code Take full advantage of modern Java I/O APIs, object serialization, and regular expressions Efficiently connect to network services, implement network clients and servers, and harvest web data Query databases and manage database connections with the latest version of JDBC Simplify all aspects of date and time programming with the Java Date and Time API Write internationalized programs that localize dates, times, numbers, text, and GUIs Process code in three powerful ways: the scripting API, compiler API, and annotation processing Learn how to migrate legacy code to the Java Platform Module System Leverage the modern Java security features most valuable to application programmers Program advanced client-side user interfaces, and generate images on the server Use JNI to interoperate with native C code See Core Java, Volume I—Fundamentals, Eleventh Edition (ISBN-13: 978-0-13-516630-7), for expert coverage of fundamental Java and UI programming, including objects, generics, collections, lambda expressions, Swing design, 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 SE 9 FOR THE IMPATIENT

Addison-Wesley Professional An Accessible Guide to the Java Language and Libraries Modern Java introduces major enhancements that impact the core Java technologies and APIs at the heart of the Java platform. Many old Java idioms are no longer needed and new features such as modularization make you far more effective. However, navigating these changes can be challenging. Core Java® SE 9 for the Impatient, Second Edition, is a complete yet concise guide that includes all the latest changes up to Java SE 9. Written by Cay S. Horstmann–author of the classic two-volume Core Java–this indispensable tutorial offers a faster, easier pathway for learning modern Java. Given Java SE 9's size and the scope of its enhancements, there's plenty to cover, but it's presented in small chunks organized for quick access and easy understanding. Horstmann's practical insights and sample code help you quickly take advantage of all that's new, from Java SE 9's long-awaited "Project Jigsaw" module system to the improvements first introduced in Java SE 8, including lambda expressions and streams. Use modules to simplify the development of well-performing complex

systems Migrate applications to work with the modularized Java API and third-party modules Test code as you create it with the new JShell Read-Eval-Print Loop (REPL) Use lambda expressions to express actions more concisely Streamline and optimize data management with today's Streams API Leverage modern concurrent programming based on cooperating tasks Take advantage of a multitude of API improvements for working with collections, input/output, regular expressions, and processes Whether you're just getting started with modern Java or you're an experienced developer, this guide will help you write tomorrow's most robust, efficient, and secure Java code. Register your product at informit.com/register for convenient access to downloads, updates, and/or corrections as they become available.

CORE JAVA FOR THE IMPATIENT

Pearson Education The release of Java SE 8 introduced significant enhancements that impact the Core Java technologies and APIs at the heart of the Java platform. Many old Java idioms are no longer required and new features like lambda expressions will increase programmer productivity, but navigating these changes can be challenging. Core Java® for the Impatient is a complete but concise guide to Java SE 8. Written by Cay Horstmann--the author of Java SE 8 for the Really Impatient and Core Java(tm), the classic, two-volume introduction to the Java language--this indispensable new tutorial offers a faster, easier pathway for learning the language and libraries. Given the size of the language and the scope of the new features introduced in Java SE 8, there's plenty of material to cover, but it's presented in small chunks organized for quick access and easy understanding. If you're an experienced programmer, Horstmann's practical insights and sample code will help you quickly take advantage of lambda expressions (closures), streams, and other Java language and platform improvements. Horstmann covers everything developers need to know about modern Java, including Crisp and effective coverage of lambda expressions, enabling you to express actions with a concise syntax A thorough introduction to the new streams API, which makes working with data far more flexible and efficient A treatment of concurrent programming that encourages you to design your programs in terms of cooperating tasks instead of low-level threads and locks Up-to-date coverage of new libraries like Date and Time Other new features that will be especially valuable for server-side or mobile programmers Whether you are just getting started with modern Java or are an experienced developer, this guide will be invaluable for anyone who wants to write tomorrow's most robust, efficient, and secure Java code.

CORE JAVA FOR THE IMPATIENT

Addison-Wesley Professional Clear, Concise Guide to the Core Language and Libraries--Updated through Java 17 Modern Java introduces major enhancements that impact the core Java technologies and APIs at the heart of the Java platform. Many old Java idioms are no longer needed, and new features and programming paradigms can make you far more effective. However, navigating these changes can be challenging. Core Java for the Impatient, Third Edition, is a complete yet concise guide that reflects all changes through Java SE 17, Oracle's latest Long-Term Support (LTS) release. Written by Cay S. Horstmann--author of the classic two-volume Core Java--this indispensable tutorial offers a faster, easier pathway for learning modern Java. Horstmann covers everything working developers need to know, including the powerful concepts of lambda expressions and streams, modern constructs such as records and sealed classes, and sophisticated concurrent programming techniques. Given Java SE 17's size and scope, there's plenty to cover, but it's presented in small chunks organized for quick access and easy understanding, with plenty of practical insights and sample code to help you quickly apply all that's new. Use modules to simplify the development of well-performing complex systems Work with the modularized Java API and third-party modules Test code as you create it with JShell Read-Eval-Print Loop (REPL) Improve your control over inheritance with sealed classes Use lambda expressions to express actions more concisely Streamline and optimize data management with the Streams API Use new library features and threadsafe data structures to implement concurrency more reliably Take advantage of API improvements for working with collections, input/output, regular expressions, and processes Whether you're an experienced developer just getting started with modern Java, or have been programming with Java for years, this guide will help you write more robust, efficient, and secure Java code.

JAVA SE 8 FOR THE REALLY IMPATIENT

Pearson Education This book concisely introduces Java 8's most valuable new features, including lambda expressions (closures) and streams. If you're an experienced Java programmer, the author's practical insights and sample code will help you quickly take advantage of these and other Java language and platform improvements.

CORE JAVA 2

FUNDAMENTALS

Prentice Hall Ptr Java 2.0 makes major improvements in areas that are critical to sophisticated developers. This book includes expert guidance on the basics of Java 2 multithreading, networking, database connectivity, remote objects, JavaBeans, and security.

SCALA FOR THE IMPATIENT

Pearson Education Scala is a modern programming language for the Java Virtual Machine (JVM) that combines the best features of object-oriented and functional programming languages. Using Scala, you can write programs more concisely than in Java, as well as leverage the full power of concurrency. Since Scala runs on the JVM, it can access any Java library and is interoperable with Java frameworks. Scala for the Impatient concisely shows developers what Scala can do and how to do it. In this book, Cay Horstmann, the principal author of the international best-selling Core Java™, offers a rapid, code-based introduction that's completely practical. Horstmann introduces Scala concepts and techniques in "blog-sized" chunks that you can quickly master and apply. Hands-on activities guide you through well-defined stages of competency, from basic to expert. Coverage includes Getting started quickly with Scala's interpreter, syntax, tools, and unique idioms Mastering core language features: functions, arrays, maps, tuples, packages, imports, exception handling, and more Becoming familiar with object-oriented programming in Scala: classes, inheritance, and traits Using Scala for real-world programming tasks: working with files, regular expressions, and XML Working with higher-order functions and the powerful Scala collections library Leveraging Scala's powerful pattern matching and case classes Creating concurrent programs with Scala actors Implementing domain-specific languages Understanding the Scala type system Applying advanced "power tools" such as annotations, implicits, and delimited continuations Scala is rapidly reaching a tipping point that will reshape the experience of programming. This book will help object-oriented programmers build on their existing skills, allowing them to immediately construct useful applications as they gradually master advanced programming techniques.

BIG JAVA

EARLY OBJECTS

Wiley Global Education Big Java: Early Objects, 7th Edition focuses on the essentials of effective learning and is

suitable for a two-semester introduction to programming sequence. This text requires no prior programming experience and only a modest amount of high school algebra. Objects and classes from the standard library are used where appropriate in early sections with coverage on object-oriented design starting in Chapter 8. This gradual approach allows students to use objects throughout their study of the core algorithmic topics, without teaching bad habits that must be un-learned later. The second half covers algorithms and data structures at a level suitable for beginning students. Choosing the enhanced eText format allows students to develop their coding skills using targeted, progressive interactivities designed to integrate with the eText. All sections include built-in activities, open-ended review exercises, programming exercises, and projects to help students practice programming and build confidence. These activities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs. The perpetual access VitalSource Enhanced eText, when integrated with your school's learning management system, provides the capability to monitor student progress in VitalSource SCORECenter and track grades for homework or participation. *Enhanced eText and interactive functionality available through select vendors and may require LMS integration approval for SCORECenter.

CORE JAVA

Prentice Hall With this book/CD package, experienced programmers will get to the heart of Java quickly and easily--from the fundamentals to advanced tips and tricks of the experts. The book is perfect for C/C++ programmers who want to add Java to their skill set, Visual Basic programmers who want to learn Java to broaden their marketability, and COBOL programmers who want to "retool" by learning Java.

JAVA CONCEPTS

EARLY OBJECTS

Wiley In Java Concepts, Cay Horstmann provides a comprehensive introduction to fundamental programming techniques and design skills helping the student master basic concepts. Realistic programming examples, homework assignments, and lab exercises build student problem-solving abilities.

CORE JAVA, VOLUME II--ADVANCED FEATURES

Prentice Hall 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.

BIG JAVA

COMPATIBLE WITH JAVA 5, 6 AND 7

John Wiley & Sons This book introduces programmers to objects at a gradual pace. The syntax boxes are revised to

show typical code examples rather than abstract notation. This includes optional example modules using Alice and Greenfoot. The examples feature annotations with dos and don'ts along with cross references to more detailed explanations in the text. New tables show a large number of typical and cautionary examples. New programming and review problems are also presented that ensure a broad coverage of topics. In addition, Java 7 features are included to provide programmers with the most up-to-date information.

JAVA FOR EVERYONE

John Wiley & Sons This book gives an introduction to Java and computer programming that focuses on the essentials and on effective learning.

CORE JAVA SE 9 FOR THE IMPATIENT

Addison-Wesley Professional Readers familiar with Horstmann's original, two-volume "Core Java" books who are looking for a comprehensive but condensed guide to all of the new features and functions of Java SE 9 will learn how these new features impact the language and core libraries.

CORE JAVA, VOLUME II--ADVANCED FEATURES

Prentice Hall Core Java® has long been recognised 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, 11th Edition, has been updated to reflect Java SE 9. Core Java, Vol. II covers advanced user-interface programming and the enterprise features of the Java SE 9 platform. It carefully explains the most important language and library features and shows how to build real-world applications with thoroughly tested examples. The example programs have been carefully crafted to be easy to understand as well as useful in practice, so you can rely on them as the starting point for your own code. All of the code examples have been rewritten to reflect modern Java best practices and code style. The critical new features introduced with Java SE 9 are all thoroughly explored with the depth and completeness that readers expect from this title.

CORE JAVA

CORE JAVA 9

"The first two lessons of Core Java LiveLessons, Second Edition, quickly review the history of Java and show you, step by step, how to install the software development environment. In lesson 3, you will learn how to do in Java what you already know in another programming language: write branches and loops, and work with numbers, strings, and arrays. Lesson 4 covers object-oriented programming. Java is thoroughly object-oriented, and the lesson shows you how to use built-in classes and how to build your own. Lessons 5 and 6 cover inheritance and interfaces as well as the lambda expressions, a powerful new feature of Java SE 8. Lesson 7 shows you what to do when your programs do the wrong thing. The lesson covers exception handling, logging, and debugging. In lesson 8, you will learn how to write generic code that works for many different data types. Lesson 9 puts those skills to work, when we examine the multitude of Java collections that allow you to organize your data in many ways. The final three lessons introduce the fundamentals of user interface programming in Java."--Resource description page.

OBJECT-ORIENTED DESIGN AND PATTERNS

John Wiley & Sons Cay Horstmann offers readers an effective means for mastering computing concepts and developing strong design skills. This book introduces object-oriented fundamentals critical to designing software and shows how to implement design techniques. The author's clear, hands-on presentation and outstanding writing style help readers to better understand the material.· A Crash Course in Java· The Object-Oriented Design Process· Guidelines for Class Design· Interface Types and Polymorphism· Patterns and GUI Programming· Inheritance and Abstract Classes· The Java Object Model· Frameworks· Multithreading· More Design Patterns

C++ FOR EVERYONE

John Wiley & Sons Thorough and updated coverage on all the essential C++ concepts Aimed at providing you with a solid foundation in programming with C++, this new edition incorporates programming exercises with helpful self-check questions that reinforce the concepts discussed throughout the book. You'll benefit from the how-to sections that show you how concepts are applied and advanced materials are featured on the accompanying Web site when you're ready to take your programming skills to the next level. Shows you how to use C++ to your benefit Includes advice for avoiding pitfalls Incorporates self-check questions and programming exercises to reinforce what you learn Encourages you to take your C++ programming skills to the next level with the advanced material featured on the

accompanying Web site C++ for Everyone, Second Edition, is the go-to guide for getting started with C++!

JAVA 9 FOR PROGRAMMERS

Prentice Hall The professional programmer's Deitel® guide to Java® 9 and the powerful Java platform Written for programmers with a background in another high-level language, this book applies the Deitel signature live-code approach to teaching programming and explores the Java® 9 language and APIs in depth. The book presents concepts in fully tested programs, complete with code walkthroughs, syntax shading, code highlighting and program outputs. It features hundreds of complete Java 9 programs with thousands of lines of proven code, and hundreds of software-development tips that will help you build robust applications. Start with an introduction to Java using an early classes and objects approach, then rapidly move on to more advanced topics, including JavaFX GUI, graphics, animation and video, exception handling, lambdas, streams, functional interfaces, object serialization, concurrency, generics, generic collections, database with JDBC™ and JPA, and compelling new Java 9 features, such as the Java Platform Module System, interactive Java with JShell (for discovery, experimentation and rapid prototyping) and more. You'll enjoy the Deitels' classic treatment of object-oriented programming and the object-oriented design ATM case study, including a complete Java implementation. When you're finished, you'll have everything you need to build industrial-strength, object-oriented Java 9 applications. New Java® 9 Features Java® 9's Platform Module System Interactive Java via JShell—Java 9's REPL Collection Factory Methods, Matcher Methods, Stream Methods, JavaFX Updates, Using Modules in JShell, Completable Future Updates, Security Enhancements, Private Interface Methods and many other language and API updates. Core Java Features Classes, Objects, Encapsulation, Inheritance, Polymorphism, Interfaces Composition vs. Inheritance, "Programming to an Interface not an Implementation" Lambdas, Sequential and Parallel Streams, Functional Interfaces with Default and Static Methods, Immutability JavaFX GUI, 2D and 3D Graphics, Animation, Video, CSS, Scene Builder Files, I/O Streams, XML Serialization Concurrency for Optimal Multi-Core Performance, JavaFX Concurrency APIs Generics and Generic Collections Recursion, Database (JDBC™ and JPA) Keep in Touch Contact the authors at: deitel@deitel.com Join the Deitel social media communities LinkedIn® at bit.ly/DeitelLinkedIn Facebook® at facebook.com/DeitelFan Twitter® at twitter.com/deitel YouTube™ at youtube.com/DeitelTV Subscribe to the Deitel ® Buzz e-mail newsletter at www.deitel.com/newsletter/subscribe.html For source code and updates, visit: www.deitel.com/books/Java9FP

COMPUTING CONCEPTS WITH JAVA ESSENTIALS

John Wiley & Sons Incorporated Rather than exhaustively cover the entire language, the author focuses on a subset of Java--a lean and practical core that is manageable, yet detailed enough to create powerful Java applets. As readers master the basics of Java, they'll be developing solid programming skills that will increase effectiveness no matter which language they work with.

CORE JAVA

Prentice Hall Software -- Programming Languages.

JAVA CONCEPTS

LATE OBJECTS

John Wiley & Sons Java Concepts: Late Objects, 3rd Edition focuses on the essentials of effective learning and is suitable for a two-semester introduction to programming sequence. This text requires no prior programming experience and only a modest amount of high school algebra. It provides an approachable introduction to fundamental programming techniques and design skills, helping students master basic concepts and become competent coders. Each important concept is introduced in easy-to understand terms before more complicated examples are discussed. Choosing the enhanced eText format allows students to develop their coding skills using targeted, progressive interactivities designed to integrate with the eText. All sections include built-in activities, open-ended review exercises, programming exercises, and projects to help students practice programming and build confidence. These activities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs. The perpetual access VitalSource Enhanced eText, when integrated with your school's learning management system, provides the capability to monitor student progress in VitalSource SCORECenter and track grades for homework or participation. *Enhanced eText and interactive functionality available through select vendors and may require LMS integration approval for SCORECenter.

MODERN JAVASCRIPT FOR THE IMPATIENT

Addison-Wesley Professional 8+ Hours of Video Instruction It can be difficult for developers familiar with Java and other languages to make the transition to modern JavaScript. If you simply want to be productive with JavaScript as it exists today, then you don't want to relive history with books or courses that teach older JavaScript versions, or that assume familiarity with those older versions and focus on recently introduced features. This course assumes that you are a competent programmer who understands branches and loops, functions, data structures, and the basics of object-oriented programming. You will get up to speed with modern JavaScript in the shortest possible time. Description Modern JavaScript for the Impatient LiveLessons focuses on how to be productive with JavaScript as it exists today. After reviewing the fundamentals of values, variables, and control flow, the video thoroughly covers functions, objects, and classes. The standard library and the most commonly used tools are also covered, as well as key topics related to asynchronous programming, internationalization, and modules. Related Content This training pairs with Cay Horstmann's book Modern JavaScript for the Impatient (9780136502142) About the Instructor Cay S. Horstmann is a professor of computer science at San Jose State University and a Java Champion. He is also the author of Core Java, Volume II,ÄîFundamentals, Eleventh Edition (2019); Core Java, Volume I,ÄîFundamentals, Eleventh Edition (2018); Core Java SE 9 for the Impatient, Second Edition (2018); Java SE 8 for the Really Impatient (2014); and Scala for the Impatie nt (2012). He has written more than a dozen other books for professional programmers and computer science students. What You Will Learn After starting with the basics-JavaScript values, variables, and types, and a quick overview of expressions and the various type of flow control statements-Horstmann shows viewers how to implement functions that consume and produce other functions and how to use closures to implement a form of classes before moving on to more advanced topics including: Object-oriented programming with modern JavaScript (classes and inheritance and how these are implemented with prototypes) The standard library (numbers and dates, strings and regular expressions, as well as arrays and collections.) Metaprogramming, iterators, and generators (a powerful mechanism to bridge between linear and event-driven control flow) How to use proxies to inter...

BIG C++

LATE OBJECTS

John Wiley & Sons Big C++: Late Objects, 3rd Edition focuses on the essentials of effective learning and is suitable for

a two-semester introduction to programming sequence. This text requires no prior programming experience and only a modest amount of high school algebra. It provides an approachable introduction to fundamental programming techniques and design skills, helping students master basic concepts and become competent coders. The second half covers algorithms and data structures at a level suitable for beginning students. Horstmann and Budd combine their professional and academic experience to guide the student from the basics to more advanced topics and contemporary applications such as GUIs and XML programming. More than a reference, Big C++ provides well-developed exercises, examples, and case studies that engage students in the details of useful C++ applications. Choosing the enhanced eText format allows students to develop their coding skills using targeted, progressive interactivities designed to integrate with the eText. All sections include built-in activities, open-ended review exercises, programming exercises, and projects to help students practice programming and build confidence. These activities go far beyond simplistic multiple-choice questions and animations. They have been designed to guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs. The perpetual access VitalSource Enhanced eText, when integrated with your school's learning management system, provides the capability to monitor student progress in VitalSource SCORECenter and track grades for homework or participation. *Enhanced eText and interactive functionality available through select vendors and may require LMS integration approval for SCORECenter.

BIG JAVA

John Wiley & Sons Incorporated This edition of Horstmann's bestselling text helps you absorb computing concepts and programming principles, develop strong problem-solving skills, and become a better programmer, all while exploring the elements of Java that are needed to write real-life programs.

SERIOUSLY GOOD SOFTWARE

CODE THAT WORKS, SURVIVES, AND WINS

Manning Publications Summary Serious developers know that code can always be improved. With each iteration, you make optimizations—small and large—that can have a huge impact on your application's speed, size, resilience, and maintainability. In Seriously Good Software: Code that Works, Survives, and Wins, author, teacher, and Java expert

Marco Faella teaches you techniques for writing better code. You'll start with a simple application and follow it through seven careful refactorings, each designed to explore another dimension of quality. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Great code blends the skill of a programmer with the time-tested techniques and best practices embraced by the entire development community. Although each application has its own context and character, some dimensions of quality are always important. This book concentrates on eight pillars of seriously good software: speed, memory usage, reliability, readability, thread safety, generality, and elegance. The Java-based examples demonstrate techniques that apply to any OO language. About the book Seriously Good Software is a handbook for any professional developer serious about improving application quality. It explores fundamental dimensions of code quality by enhancing a simple implementation into a robust, professional-quality application. Questions, exercises, and Java-based examples ensure you'll get a firm grasp of the concepts as you go. When you finish the last version of the book's central project, you'll be able to confidently choose the right optimizations for your code. What's inside Evaluating software qualities Assessing trade-offs and interactions Fulfilling different objectives in a single task Java-based exercises you can apply in any OO language About the reader For web developers comfortable with JavaScript and HTML. About the author Marco Faella teaches advanced programming at a major Italian university. His published work includes peer-reviewed research articles, a Java certification manual, and a video course. Table of Contents *Part 1: Preliminaries * 1 Software qualities and a problem to solve 2 Reference implementation *Part 2: Software Qualities* 3 Need for speed: Time efficiency 4 Precious memory: Space efficiency 5 Self-conscious code: Reliability through monitoring 6 Lie to me: Reliability through testing 7 Coding aloud: Readability 8 Many cooks in the kitchen: Thread safety 9 Please recycle: Reusability

CORE JAVA, VOLUME I--FUNDAMENTALS

EIGHTH EDITION

Prentice Hall This revised edition of the classic Core Java™, Volume I–Fundamentals , is the definitive guide to Java for serious programmers who want to put Java to work on real projects. Fully updated for the new Java SE 6 platform, this no-nonsense tutorial and reliable reference illuminates the most important language and library features with thoroughly tested real-world examples. The example programs have been carefully crafted to be easy to understand as well as useful in practice, so you can rely on them as an outstanding starting point for your own code. Volume I is

designed to quickly bring you up to speed on what's new in Java SE 6 and to help you make the transition as efficiently as possible, whether you're upgrading from an earlier version of Java or migrating from another language. The authors concentrate on the fundamental concepts of the Java language, along with the basics of user-interface programming. You'll find detailed, insightful coverage of Java fundamentals Object-oriented programming Interfaces and inner classes Reflection and proxies The event listener model GUI programming with Swing Packaging applications Exception handling Logging and debugging Generic programming The collections framework Concurrency For detailed coverage of XML processing, networking, databases, internationalization, security, advanced AWT/Swing, and other advanced features, look for the forthcoming eighth edition of Core Java™, Volume II—Advanced Features (ISBN: 978-0-13-235479-0).

CORE JAVA, VOLUME I: FUNDAMENTALS, 12E

Addison-Wesley Professional The #1 Java Guide for Serious Programmers: Fully Updated through Java 17 Core Java, Volume I: Fundamentals, Twelfth Edition, is the definitive guide to writing robust, maintainable code. Whatever version of Java you are using--up to and including Java 17--this book will help you achieve a deep and practical understanding of the language and APIs. With hundreds of realistic examples, Cay S. Horstmann reveals the most powerful and effective ways to get the job done. This book is written for readers with prior programming experience who are looking for in-depth coverage of the Java language and platform. You'll learn about all language features in detail, including the recent improvements in Java 17. The applied chapters and code examples cover the most up-to-date capabilities of the vast Java library. For 25 years, Core Java has prepared serious programmers for serious Java programming. This first of two volumes offers in-depth coverage of fundamental Java programming, including object-oriented programming, generics, collections, lambda expressions, concurrency, and functional programming. Classic material for Swing UI programming is included for those who need it. This edition's new content covers text blocks, switch enhancements, records, pattern matching for instanceof, sealed classes, and more. Master foundational techniques, idioms, and best practices for writing superior Java code Leverage the power of interfaces, lambda expressions, and inner classes Harden programs through effective exception handling and debugging Write safer, more reusable code with generic programming Improve performance and efficiency with Java's standard collections Explore simple programs with JShell and assemble complex programs with archives and modules Build cross-platform GUIs with the Swing toolkit Fully utilize multicore processors with Java's powerful concurrency model See Core Java, Volume II: Advanced Features, Twelfth Edition (coming in 2022), for expert coverage of Java 17 enterprise features, the module

system, annotations, networking, security, and advanced UI 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 2-ADVANCED FEATURES, 8/E

Pearson Education India

JAVA FUNDAMENTALS

A FAST-PACED AND PRAGMATIC INTRODUCTION TO ONE OF THE WORLD'S MOST POPULAR PROGRAMMING LANGUAGES

Packt Publishing Ltd Enhance your career options with this well-crafted object-oriented programming language that enjoys the support of an enormous ecosystem of tools and libraries Key Features Get introduced to Java, its features, and its ecosystem Understand how Java uses object-oriented programming Become an expert Java exception handler Book Description Since its inception, Java has stormed the programming world. Its features and functionalities provide developers with the tools needed to write robust cross-platform applications. Java Fundamentals introduces you to these tools and functionalities that will enable you to create Java programs. The book begins with an introduction to the language, its philosophy, and evolution over time, until the latest release. You'll learn how the javac/java tools work and what Java packages are - the way a Java program is usually organized. Once you are comfortable with this, you'll be introduced to advanced concepts of the language, such as control flow keywords. You'll explore object-oriented programming and the part it plays in making Java what it is. In the concluding chapters, you'll get to grips with classes, typecasting, and interfaces, and understand the use of data structures, arrays, strings, handling exceptions, and creating generics. By the end of this book, you will have learned to write programs, automate tasks, and follow advanced courses on algorithms and data structures or explore more advanced Java courses. What you will learn Create and run Java programs Use data types, data structures, and control flow in your code Implement best practices while creating objects Work with constructors and inheritance Understand advanced data structures to organize and store data Employ generics for stronger check-types during compilation Learn to handle exceptions in your code Who this book is for Java Fundamentals is designed for tech enthusiasts who are familiar with some programming languages and want a quick introduction to the most important principles of Java.

CORE JAVA VOLUME I--FUNDAMENTALS

Prentice Hall 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 I-Fundamentals, 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 new Java SE 8 features, idioms, and best practices, it contains hundreds of example programs–all carefully crafted for easy understanding and practical applicability. Writing for serious programmers solving real-world problems, Cay Horstmann helps you achieve a deep understanding of the Java language and library. In this first volume of the two-volume work, Horstmann focuses on fundamental language concepts and the foundations of modern user interface programming. You'll find in-depth coverage of topics ranging from Java object-oriented programming to generics, collections, lambda expressions, Swing UI design, and the latest approaches to concurrency and functional programming. This guide will help you Leverage your existing programming knowledge to quickly master core Java syntax Understand how encapsulation, classes, and inheritance work in Java Master interfaces, inner classes, and lambda expressions for functional programming Improve program robustness with exception handling and effective debugging Write safer, more readable programs with generics and strong typing Use pre-built collections to collect multiple objects for later retrieval Master concurrent programming techniques from the ground up Build modern cross-platform GUIs with standard Swing components Deploy configurable applications and applets, and deliver them across the Internet Simplify concurrency and enhance performance with new functional techniques If you're an experienced programmer moving to Java SE 8, Core Java®, Tenth Edition, will be your reliable, practical companion–now and for many years to come. Look for the companion volume, Core Java®, Volume II–Advanced Features, Tenth Edition (ISBN-13: 978-0-13-417729-8), for coverage of Java 8 streams, input and output, XML, databases, annotations, and other advanced topics. Register your product or convenient access to downloads, updates, and corrections as they become available. See inside the book for information.

BIG JAVA

LATE OBJECTS

Wiley Big Java: Late Objects is a comprehensive introduction to Java and computer programming, which focuses on the

principles of programming, software engineering, and effective learning. It is designed for a two-semester first course in programming for computer science students. Using an innovative visual design that leads readers step-by-step through intricacies of Java programming, Big Java: Late Objects instills confidence in beginning programmers and confidence leads to success.

CORE JAVA 1.1

CAY S. HORSTMANN, GARY CORNELL

BIG JAVA: EARLY OBJECTS, 7E ABRIDGED BOUND PRINT COMPANION WITH WILEY E-TEXT REG CARD SET

BIG JAVA LATE OBJECTS, 2ND EDITION

Wiley Global Education Cay Horstmann's Big Java Late Objects, 2nd Edition provides a comprehensive and approachable introduction to fundamental programming techniques and design skills, and helps students master basic concepts and become competent coders. The inclusion of advanced chapters makes the text suitable for a 2 or 3-term sequence, or as a comprehensive reference to programming in Python. Major rewrites and an updated visual design make this student-friendly text even more engaging. Filled with realistic programming examples, a great quantity and variety of homework assignments, and lab exercises that build student problem-solving abilities, it is no surprise Bi Java Late Objects is the number one text for early objects in the Python market.

CORE JAVA

VOLUME I - FUNDAMENTALS, NINTH EDITION

Fully updated to reflect Java SE 7 language changes, Core Java, Volume I - Fundamentals, Ninth Edition, is the definitive guide to the Java platform. Designed for serious programmers, this reliable, unbiased, no-nonsense tutorial illuminates key Java language and library features with thoroughly tested code examples. As in previous editions, all code is easy to understand, reflects modern best practices, and is specifically designed to help jumpstart your projects. Volume I quickly brings you up-to-speed on Java SE 7 core language enhancements, including the diamond operator, improved resource handling, and catching of multiple exceptions. All of the code examples have been updated to

reflect these enhancements, and complete descriptions of new SE 7 features are integrated with insightful explanations of fundamental Java concepts. You'll learn all you need to be productive with The Java programming environment Objects, classes, and inheritance Interfaces and inner classes Reflection and proxies Graphics programming Event handling and the event listener model Swing-based user interface components Application and applet deployment Exceptions, logging, assertions, and debugging Generic programming Collections Concurrency, and more For detailed coverage of advanced features, including the new API for file input/output and enhancements to the concurrency utilities, look for Core Java, Volume II - Advanced Features, Ninth Edition (ISBN-13: 978-0-13-708160-8).

JAVA CONCEPTS

ADVANCED PLACEMENT COMPUTER SCIENCE STUDY GUIDE

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