



Java Generics And Collections

Yan Bai



Java Generics And Collections:

Java Generics and Collections Maurice Naftalin, Philip Wadler, 2007 This book written by one of the designers of generics is a thorough explanation of how to use generics and particularly the effect this facility has on the way developers use collections

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Introduction to Java Programming Y. Daniel Liang,2009 Groundbreaking fundamentals first approach enables readers to understand the basics before being introduced to more challenging topics Liang offers one of the broadest ranges of carefully chosen examples reinforcing key concepts with objectives lists introduction and chapter overviews easy to follow examples chapter summaries review questions programming exercises and interactive self test Now uses standard classes only Offers new chapters on data structures JSF for visual Web development and Web services includes a new standalone chapter on the full GUI library Uses UML diagrams in every example starting chapter 8 Includes additional notes with diagrams

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Core Java, Volume I--Fundamentals Cay S. Horstmann, Gary Cornell, 2007-09-11 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

Data Abstraction and Problem Solving with Java Frank M. Carrano, Janet J. Prichard, 2006 The second edition in Java of the classic Walls and Mirrors approach to programming designs solutions to problems using both data abstraction the walls and recursion the Mirrors Data Abstraction and Problem Solving with Java Walls and Mirrors 2 provides a focus on the important concepts of data abstraction and data structures in a way that beginning programmers find accessible The first part of the book covers problem solving techniques including a review of Java fundamentals principles of programming and software engineering recursion and data abstraction and linked lists Later chapters focus on problem solving with abstract data types including stacks queues algorithm efficiency and sorting trees and graphs This edition contains enhanced material on OO implementation MARKET Readers searching for problem solving solutions through abstraction algorithmic refinement data structures and recursion

[ARCHIVED: Pooled JVM in CICS Transaction Server V3](#) Chris Rayns, George Burgess, Scott Clee, Tom Grieve, John Taylor, Yun Peng Ge, Guo Qiang Li, Qian Zhang, Derek Wen, IBM Redbooks, 2015-06-17 NOTE This book contains information about technologies that have been superseded and it is retained for historical purposes only IBM CICS Transaction Server CICS TS has supported the deployment of Java applications since the 1990s In CICS TS V1.3 1999 IBM introduced the Pooled JVM style of JVM infrastructure within CICS TS This infrastructure was designed to be similar in nature to that which a CICS application developer for a language such as COBOL would be used to It brought the benefits of the new Java language to CICS TS without a dramatic change to the way CICS users thought of core concepts such as re-entrancy and isolation As enterprise usage of Java evolved it began to make more and more use of multi-threaded environments where isolation was not a desired

characteristic Additionally technologies such as OSGi Open Service Gateway Initiative evolved to overcome some of the original disadvantages of applying Java to an enterprise environment As such the limitations of the Pooled JVM approach began to outweigh the benefits In CICS TS V4 1 2009 IBM introduced the new JVM server infrastructure in CICS TS as a replacement to the Pooled JVM approach This JVM server infrastructure provides a much more standard Java environment that makes the writing and porting of Java applications for CICS TS much simpler In CICS TS V5 1 2012 support for the old Pooled JVM infrastructure was removed While there is a relatively simple migration path from Pooled JVM to JVM server applications should no longer be written to the Pooled JVM infrastructure There are a number of more recent IBM Redbooks publications covering the replacement JVM server technology including IBM CICS and the JVM server Developing and Deploying Java Applications SG24 8038 A Software Architect s guide to New Java Workloads in IBM CICS Transaction Server SG24 8225

Core Java Cay S. Horstmann, 2020-09-28 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

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language and ecosystem right away You'll learn why Scala is ideal for building today's highly scalable data-centric applications while maximizing developer productivity While Java remains popular and Kotlin has become popular Scala hasn't been sitting still This third edition covers the new features in Scala 3.0 with updates throughout the book Programming Scala is ideal for beginning to advanced developers who want a complete understanding of Scala's design philosophy and features with a thoroughly practical focus Program faster with Scala's succinct and flexible syntax Dive into basic and advanced functional programming techniques Build killer big data and distributed apps using Scala's functional combinators and tools like Spark and Akka Create concise solutions to challenging design problems with the sophisticated type system mixin composition with traits pattern matching and more

JAVA Developer's Journal, 1996

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

Java Collections John Zukowski, 2001 The Collections Framework is supplied with all versions of the Java 2 platform and provides programmers with incredibly efficient ways to manipulate data However given the large number of methods and classes in this library using them correctly is hardly a cakewalk Well known columnist and bestselling author John Zukowski gives the Java professional exactly what he or she needs to know about this vital library in order to maximize productivity This practical book contains comprehensive coverage of the important Collections Framework from the working programmer's point of view while staying away from academic abstractions Java Collections leads you through the standard Java support for maintaining abstract groups of data from the historical collection classes available since the inception of Java time through the Collections Framework introduced with the Java 2 platform and on to third party alternative libraries for times when the standard support isn't enough If you're working with data in Java programs you need to understand the Collections

Framework Let Zukowski s Java Collections be your guide Table of Contents Java Collections Framework An Overview Arrays The Vector and Stack Classes The Enumeration Interface The Dictionary Hashtable and Properties Classes The BitSet Class Collections Introduction Sets Lists Maps Sorting Special Collections Support Array Algorithm Support Custom Implementations Compatibility Issues Advanced Usages JGL Libraries util concurrent Colt *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

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