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Core J A V A 2

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CAY S. HORSTMANN - GARY CORNELL

Core Java™ 2 Volume I Fundamentals 7th Edition

Cay S. Horstmann



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Core Java 2 Volume I - Fundamentals, Seventh Edition Cay Horstmann, Gary Cornell, 2004 Completely revised and up to date coverage of Generic programming restrictions and limitations type bounds wildcard types and generic reflection Swing GUI development including input validation and other enhancements Exception handling and debugging including chained exceptions stack frames assertions and logging Streams and files the new I/O API memory mapped files file locking and character set encoders decoders Regular expressions using the powerful java.util.regex package Inner classes reflection and dynamic proxies Application packaging and the Preferences API The seventh edition of Core Java 2 Volume I covers the fundamentals of the Java 2 Platform Standard Edition J2SE A no nonsense tutorial and reliable reference this book features thoroughly tested real world examples The most important language and library features are demonstrated with deliberately simple sample programs but they aren't fake and they don't cut corners More importantly all of the programs have been updated for J2SE 5.0 and should make good starting points for your own code You won't find any toy examples here This is a book for programmers who want to write real code to solve real problems Volume I concentrates on the fundamental concepts of the Java language along with the basics of user interface programming and provides detailed coverage of Object oriented programming Reflection and proxies Interfaces and inner classes The event listener model Graphical user interface design with the Swing UI toolkit Exception handling Stream input output and object serialization Generic programming For the same real world treatment of enterprise features and advanced user interface programming look for the forthcoming new edition of Core Java 2 Volume II Advanced Features It includes new sections on metadata and other J2SE 5.0 enhancements along with complete coverage of Multithreading Distributed objects Databases Advanced GUI components Native methods XML Processing Network programming Collection classes Advanced graphics Internationalization JavaBeans

The CERT Oracle Secure Coding Standard for Java Fred Long, 2012 In the Java world security is not viewed as an add on a feature It is a pervasive way of thinking Those who forget to think in a secure mindset end up in trouble But just because the facilities are there doesn't mean that security is assured automatically A set of standard practices has evolved over the years The Secure Coding Standard for Java™ is a compendium of these practices These are not theoretical research papers or product marketing blurbs This is all serious mission critical battle tested enterprise scale stuff James A Gosling Father of the Java Programming Language An essential element of secure coding in the Java programming language is a well documented and enforceable coding standard Coding standards encourage programmers to follow a uniform set of rules determined by the requirements of the project and organization rather than by the programmer's familiarity or preference Once established these standards can be used as a metric to evaluate source code using manual or automated processes The CERT Oracle Secure Coding Standard for Java™ provides rules designed to eliminate insecure coding practices that can lead to exploitable vulnerabilities Application of the standard's guidelines will lead to higher quality systems robust systems that are

more resistant to attack Such guidelines are required for the wide range of products coded in Java for devices such as PCs game players mobile phones home appliances and automotive electronics After a high level introduction to Java application security seventeen consistently organized chapters detail specific rules for key areas of Java development For each area the authors present noncompliant examples and corresponding compliant solutions show how to assess risk and offer references for further information Each rule is prioritized based on the severity of consequences likelihood of introducing exploitable vulnerabilities and cost of remediation The standard provides secure coding rules for the Java SE 6 Platform including the Java programming language and libraries and also addresses new features of the Java SE 7 Platform It describes language behaviors left to the discretion of JVM and compiler implementers guides developers in the proper use of Java s APIs and security architecture and considers security concerns pertaining to standard extension APIs from the javax package hierarchy The standard covers security issues applicable to these libraries lang util Collections Concurrency Utilities Logging Management Reflection Regular Expressions Zip I O JMX JNI Math Serialization and JAXP

Java Coding Guidelines Fred Long,Dhruv Mohindra,Robert C. Seacord,Dean F. Sutherland,David Svoboda,2014 Organizations worldwide rely on Java code to perform mission critical tasks and therefore that code must be reliable robust fast maintainable and secure Java™ Coding Guidelines brings together expert guidelines recommendations and code examples to help you meet these demands Publisher description

Design Patterns for e-Science Henry Gardner,Gabriele Manduchi,2007-05-03 This is a book about a code and about coding The code is a case study which has been used to teach courses in e Science at the Australian National University since 2001 Students learn advanced programming skills and techniques in the Java language Above all they learn to apply useful object oriented design patterns as they progressively refactor and enhance the software We think our case study EScope is as close to real life as you can get It is a smaller version of a networked graphical waveform browser which is used in the control rooms of fusion energy experiments around the world It is quintessential e Science in the sense of e Science being computer science and information technology in the service of science It is not specifically Grid enabled but we develop it in a way that will facilitate its deployment onto the Grid The standard version of EScope interfaces with a specialised database for waveforms and related data known as MDSplus On the accompanying CD we have provided you with software which will enable you to install MDSplus EScope and sample data files onto Windows or Linux computers There is much additional software including many versions of the case study as it gets built up and progressively refactored using design patterns There will be a home web site for this book which will contain up to date information about the software and other aspects of the case study

Medical Informatics in a United and Healthy Europe K.-P. Adlassnig,B. Blobel,J. Mantas,2009-08-14 Contains the proceedings of the 22nd International Conference on Medical Informatics Europe 2009 This work presents the scientific topics that range from national and transnational e health roadmaps health information and electronic health record systems and social networks to web 2.0 and semantic web solutions for researchers

Medical

Informatics in a United and Healthy Europe European Federation for Medical Informatics. International Congress, 2009 This volume contains the proceedings of the twenty second International Conference on Medical Informatics Europe MIE 2009 that was held in Sarajevo Bosnia and Herzegovina from 30 August to 2 September 2009 The scientific topics present in this proceedings range from national and trans national eHealth roadmaps health information and electronic health record systems systems interoperability and communication standards medical terminology and ontology approaches and social networks to Web Web 2 0 nd Semantic Web solutions for patients health personnel and researchers Furthermore they include quality assurance and usability of medical informatics systems specific disease management and telemedicine systems including a section on devices and sensors drug safety clinical decision support and medical expert systems clinical practice guidelines and protocols as well as issues on privacy and security Moreover bioinformatics biomedical modeling and simulation medical imaging and visualization and last but not least learning and education through medical informatics systems are parts of the included topics

Core Java Cay S. Horstmann, 2021-12-17 The 1 Java Guide for Serious Programmers Fully Updated through Java 17 This is the definitive reference and instructional work for Java and the Java ecosystem Andrew Binstock Java Magazine 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 ISBN 978 0 13 787107 0 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 **Mobile Computing** Kumkum Garg,2010-09 The book covers all basic concepts of mobile computing and communication and also deals with latest concepts like Bluetooth Security and Nokia Handhelds Resource description page

Big Java Cay S. Horstmann,2008 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 **American Book Publishing Record** ,2003

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