Program Development In Java By Barbara Liskov

Program Development in JavaJavaProgram Development in Java: Abstraction, Specification, and Object–Oriented DesignJava SE8 for ProgrammersThe HarvestBalunganOptimization of Java Programs for Embedded SystemsThe Publishers WeeklyInternational Books in PrintLittle wide–awake (magazine, ed.) by mrs. S. BarkerScottish Notes and QueriesScottish Notes and QueriesThe American practical navigatorThe Country GentlemanAncestors and siblings of Peder and BergitheShipping DigestScientific AmericanSoftware DevelopmentGayellow PagesMonthly Bulletin of Agricultural Intelligence and of Plant Diseases Barbara Liskov Harvey M. Deitel B. Liskov Paul J. Deitel Matilde Serao Gregory Zaraysky Lucy D Sale Barker John Bulloch

Program Development in Java Java Program Development in Java: Abstraction, Specification, and Object–Oriented Design Java SE8 for Programmers The Harvest Balungan Optimization of Java Programs for Embedded Systems The Publishers Weekly International Books in Print Little wide–awake (magazine, ed.) by mrs. S. Barker Scottish Notes and Queries Scottish Notes and Queries The American practical navigator The Country Gentleman Ancestors and siblings of Peder and Bergithe Shipping Digest Scientific American Software Development Gayellow Pages Monthly Bulletin of Agricultural Intelligence and of Plant Diseases *Barbara Liskov Harvey M. Deitel B. Liskov Paul J. Deitel Matilde Serao Gregory Zaraysky Lucy D Sale Barker John Bulloch*

written by a world renowned expert on programming methodology and the winner of the 2008 turing award this book shows how to build production quality programs programs that are reliable easy to maintain and quick to modify its emphasis is on modular program construction how to get the modules right and how to organize a program as a collection

of modules the book presents a methodology effective for either an individual programmer who may be writing a small program or a single module in a larger one or a software engineer who may be part of a team developing a complex program comprised of many modules both audiences will acquire a solid foundation for object oriented program design and component based software development from this methodology because each module in a program corresponds to an abstraction such as a collection of documents or a routine to search the collection for documents of interest the book first explains the kinds of abstractions most useful to programmers procedures iteration abstractions and most critically data abstractions indeed the author treats data abstraction as the central paradigm in object oriented program design and implementation the author also shows with numerous examples how to develop informal specifications that define these abstractions specifications that describe what the modules do and then discusses how to implement the modules so that they do what they are supposed to do with acceptable performance other topics discussed include encapsulation and the need for an implementation to provide the behavior defined by the specification tradeoffs between simplicity and performance techniques to help readers of code understand and reason about it focusing on such properties as rep invariants and abstraction functions type hierarchy and its use in defining families of related data abstractions debugging testing and requirements analysis program design as a top down iterative process and design patterns the java programming language is used for the book s examples however the techniques presented are language independent and an introduction to key java concepts is included for programmers who may not be familiar with the language

completely revised and updated to cover the new features in the 1 2 release of java this book is a comprehensive look at learning how to program in java the book covers all facets of the java language including object orientation multithreading exception handling the new event model the graphics capabilities of the new abstract windows toolkit and the new apis

the professional programmer s deitel guide to java se 7 and se 8 java 8 development with the powerful java platform written for programmers with a background in high level language programming this book applies the deitel signature live code approach to teaching programming and explores the java language and java apis in depth the book presents concepts in the context of fully tested programs complete with syntax shading code highlighting line by line code walkthroughs and program outputs the book features hundreds of complete java programs with thousands of lines of proven java code and hundreds of 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 gui graphics exception handling lambdas streams functional interfaces object serialization concurrency generics generic collections jdbc 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 se 7 and se 8 java 8 applications practical example rich coverage of java se 7 and se 8 java 8 lambdas streams functional interfaces with default and static methods classes objects encapsulation inheritance polymorphism interfaces swing and javafx guis graphics integrated exception handling files streams object serialization multithreading and concurrency for optimal multi core performance generics and generic collections database jdbc sql and javadb using the debugger and the api docs industrial strength object oriented design atm case study and more visit deitel com download code examples for information on deitel s dive into series programming training courses delivered at organizations worldwide visit deitel com training or write to deitel deitel com join the deitel social networking communities on facebook at facebook com deitelfan twitter deitel google at google com deitelfan linkedin at bit ly deitellinkedin youtube at youtube com user deiteltv subscribe to the deitel buzz online e mail newsletter at deitel com newsletter subscribe html

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