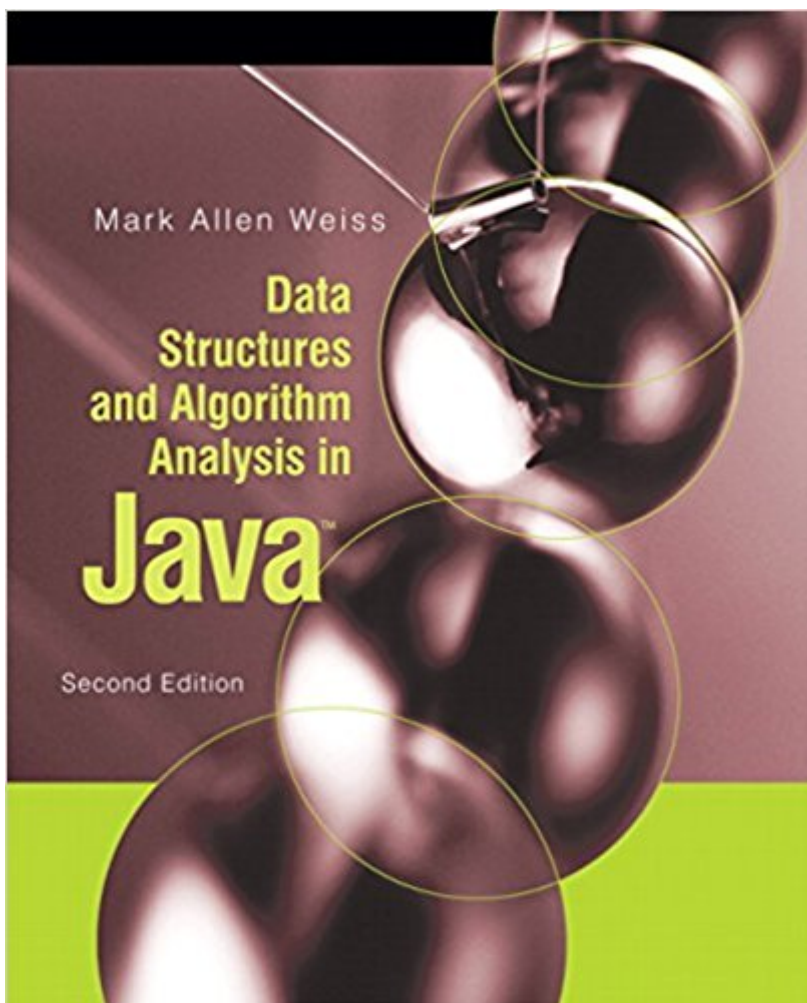The book was found

Data Structures And Algorithm Analysis In Java (2nd Edition)

Synopsis

In this text, readers are able to look at specific problems and see how careful implementations can reduce the time constraint for large amounts of data from several years to less than a second. This new edition contains all the enhancements of the new Java 5.0 code including detailed examples and an implementation of a large subset of the Java 5.0 Collections API. This text is for readers who want to learn good programming and algorithm analysis skills simultaneously so that they can develop such programs with the maximum amount of efficiency. Readers should have some knowledge of intermediate programming, including topics as object-based programming and recursion, and some background in discrete math.

Book Information

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Customer Reviews

Advanced Data Structures/Algorithms Java Ã Â Data Analysis and Algorithm Analysis in Java, 2/e Mark Allen Weiss, Florida International University ISBN : 0-321-37013-9 Ã Â As the speed and power of computers increase, so does the need for effective programming and algorithm analysis. Mark Allen Weiss approaches these skills jointly to teach the development of well-constructed, maximally efficient programs in Java. Ã Â Readers benefit from the full language update to Java 5.0, including generics, and the integrated coverage of the Java Collections Library in this advanced study of data structures and algorithms. Weiss clearly explains his careful, rigorous and in-depth analysis of each type of algorithm. Ã Â This Second Edition features: Ã Â Ã¢â ¬Â¢ Full integration of the new Java 5.0 programming language and the Java Collections Library Ã Â

Ã¢â ¬Â¢ Enhanced interior design, with figures and examples illustrating successive stages of algorithms Ã Â Ã¢â ¬Â¢ Completely revised coverage of lists, stacks, and queues in Chapter 3 Ã Â Ã¢â ¬Â¢ Full chapter dedicated to the implementation of amortized analysis and advanced data structures Ã Â Ã¢â ¬Â¢ End-of-chapter exercises, ranked by difficulty, reinforce key chapter concepts Ã Â Ã Â Ã Â Visit aw.com/computing for more information about Addison-Wesley computing books.

Weiss stresses the importance of recursion and shows many good (and a bad) uses of recursion. Chapter 2 illustrates bad and good algorithms with elegant examples - all the algorithms and their computational complexities are explained in detail very well in Sec. 2.4.3. I could not wait to get to the O(N) algorithm, and then there is the surprise - it is so simple, what the heck am I missing? And then you realize you are not dumb and the short program does involve some serious intelligence behind it!

PROs: decent coverage of the materialCONs: mediocre writing style ("Irregardless"?) and coding style; occasional bugs/typos in example code; poor explanation of Java generics

I used this for my college course. And it's pretty straight forward, but I wish there was more concise information.

Thorough.

This book is quite advanced as many others have written in their reviews. Maybe it should have had a "pre-requisites" section, telling what background the author expects from the reader. BUT with that said, I love this book and could not put it down from the time I started reading it.Weiss has driven the points across very well. Right from page 1 the book is quite exciting to read. Weiss stresses the importance of recursion and shows many good (and a bad) uses of recursion. Chapter 2 illustrates bad and good algorithms with elegant examples - all the algorithms and their computational complexities are explained in detail very well in Sec. 2.4.3. I could not wait to get to the O(N) algorithm, and then there is the surprise - it is so simple, what the heck am I missing? And then you realize you are not dumb and the short program does involve some serious intelligence behind it!This book has really flexed my mind very well and I love reading it! I am sure I will learn a lot more as I read more from it. And I feel this book does not deserve a poor 3-point rating and does deserve

more 5-point ratings by advanced readers.

I felt the author has a firm understanding of the concepts and truly what he wanted to convey, but this book lacked a great deal for beginners or newcomers to Java. Far too many of the examples were tough to understand and in many cases simply un-answered. This is not a book for beginners.

Java: 2017 Ultimate Beginners Guide to Learn Java Programming (java for dummies, java apps, java for beginners, java apps, hacking, hacking exposed) ... Programming, Developers, Coding, CSS, PHP) Data Structures and Algorithm Analysis in Java (2nd Edition) Data Structures and Algorithm Analysis in Java (3rd Edition) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Data Structures and Algorithm Analysis in C (2nd Edition) Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data Book 1) Data Analytics: Applicable Data Analysis to Advance Any Business Using the Power of Data Driven Analytics (Big Data Analytics, Data Science, Business Intelligence Book 6) Data Structures and Algorithm Analysis in C++ (3rd Edition) Data Structures & Algorithm Analysis in C++ Java: The Ultimate Guide to Learn Java and Javascript Programming Programming, Java, Database, Java for dummies, how to program, javascript, javascript ... Developers, Coding, CSS, PHP Book 2) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Big Data For Business: Your Comprehensive Guide to Understand Data Science, Data Analytics and Data Mining to Boost More Growth and Improve Business - Data Analytics Book, Series 2 Java Software Structures: Designing and Using Data Structures (4th Edition) Starting Out with Java: From Control Structures through Data Structures (3rd Edition) Data Structures and Algorithms Made Easy in Java: Data Structure and Algorithmic Puzzles Data Structures and Algorithms in Java (2nd Edition) Data Analytics For Beginners: Your Ultimate Guide To Learn and Master Data Analysis. Get Your Business Intelligence Right Ã¢â ¬â œ Accelerate Growth and Close More Sales (Data Analytics Book Series) Introduction to Java Programming and Data Structures, Comprehensive Version (11th Edition) Data Structures and Other Objects Using Java (4th Edition) Data Structures and Abstractions with Java (4th Edition)

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