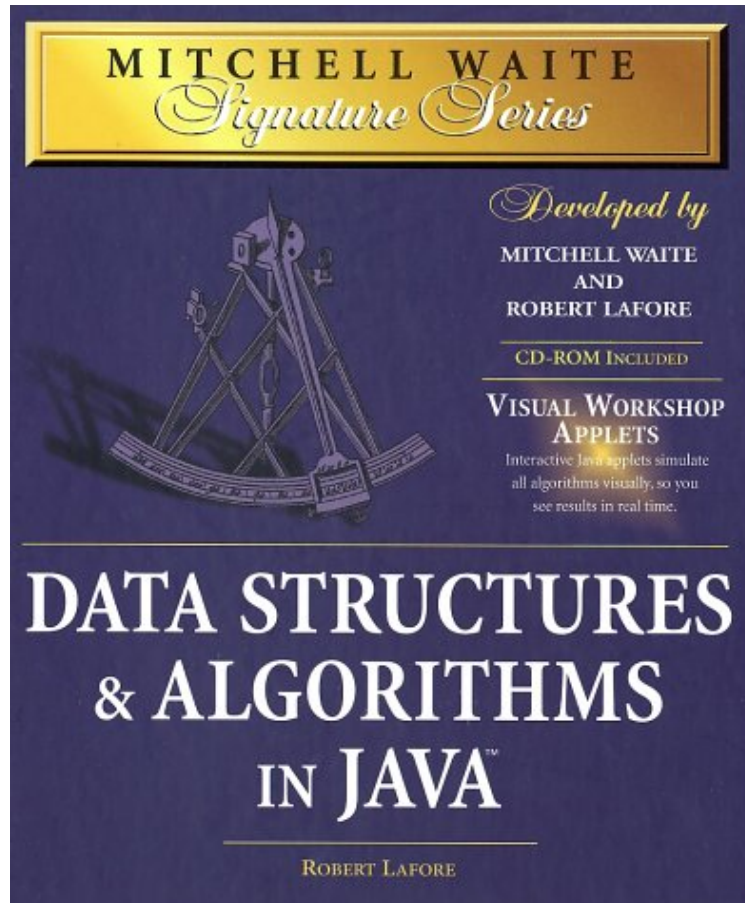


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## Data Structures and Algorithms in Java (MCP-Imprint Waite Group Press)

Von Robert Lafore

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Von Robert Lafore : Data Structures and Algorithms in Java (MCP-Imprint Waite Group Press) before purchasing it in order to gage whether or not it would be worth my time, and all praised Data Structures and Algorithms in Java (MCP-Imprint Waite Group Press):

KundenrezensionenHilfreichste Kundenrezensionen2 von 2 Kunden fanden die folgende Rezension hilfreich. Good, but incompleteVon Ein KundeI HATE books that tell you they cover certain subjects and then leave things "as an exercise for the reader." I think it's a cop out. Either cover the subject or not; but don't do a [poor] job. This book, although good, does that "exercise" thing. It devotes a whole chapter to describing Red-Black Trees, and then doesn't even provide an algorithm, but leaves it up to the reader to look in the references for a book that covers the algorithm or code. It does the same for B-Trees.As I said, the book is good, but that "exercise" thing is a big hot button for me. I would rather have the author just say that there are other data structures called such-and-such that may be better for certain use but they're outside the scope of the book.If you're an absolute beginner (as I am), and don't mind a \$50

book teasing you and then telling you to buy another \$50 for the complete answer, go ahead and buy this one. 1 von 1 Kunden fanden die folgende Rezension hilfreich. A great intro to Data Structures and Algorithms Von Ein Kunde This book provides a great introduction to Data Structures and Algorithms using the Java programming languages. I picked this book up before taking a course on the subject and found it very easy to follow along. My text for the course in contrast was very dry and full of dry mathematical concepts and proofs which the average software developer need not bother with. The workshop applets provide an excellent method of viewing the algorithms in action. I highly recommend this book to anyone interested in DSA who may be intimidated by some of the concepts involved. 0 von 0 Kunden fanden die folgende Rezension hilfreich. One of the best Data Structures books around Von wonderrat I am surprised that most instructors haven't banned this book! It is absolutely one of the best data structures references on the market and with answers provided with the enclosed CD, one perfect "cheat book." Virtually all the standard data structures for an introductory DSA course are included here with a good explanation behind the rationale used in the implementation of the code. Lafore is a good writer and explains things well, unlike certain authors. The book isn't heavy on the mathematics, which is good for programmers who don't want to get involved with theory. The applets which implement the data structures are particularly nice. As mentioned in a previous review, trees are not covered well in this book, but most introductory books don't cover them well either. I don't expect to see an analysis of AVL or red-black trees in an introductory book (Cormen's text, which is the standard for grad school, doesn't explain trees well either). In fact, only Schaffer's book does a creditable job of explaining AVL trees but the implementation of the code isn't the greatest. But for linked lists, stacks, queues, and the like, there are few books that are the equal of this one. Buy the book and you'll pass your DSA class with flying colors!

.de While most books on algorithms and data structures use C or C++ for their examples, Data Structures and Algorithms in Java introduces data structures, sorting, and related algorithms using the Java programming language. This worthy reference helps working programmers get the most out of using Java to store and manipulate data efficiently. The book starts out with simple data structures, such as Java arrays, and looks at a variety of traditional sorting algorithms, such as the quick sort and the bubble sort. Along the way, the author uses clear-cut examples in Java that show the ordering of elements visually in applets. (All source code is included in the accompanying CD-ROM.) The book then looks at linked lists (which can be efficient in Java because references point to objects in memory the way C++ pointers do). The chapters on working with trees are especially clear. The author introduces and explains all the mathematical concepts needed to understand working with data structures. For example, he explains logarithms from the beginning so the reader will understand how various algorithms will perform with different numbers of elements. The author also includes advanced data structures, such as graphs and weighted graphs, along with sample applets that actually demonstrate what these containers look like and how they store and retrieve data. The book concludes with a discussion of when to choose particular data structures over others--a topic that is less critical as CPU speed increases. In all, Data Structures and Algorithms in Java is a concise and readable excursion into the world of data structures. The book does an admirable job of showing how a traditional topic in computer science is handled in one of today's most popular programming languages. --Richard V. Dragan Synopsis Not filled with with obtuse mathematics and difficult proofs, MWSS: Data Structures and Algorithms in Java removes the mystique from DSA. It does this in two ways. First, the text is written in a straightforward style, making it accessible to anyone. Second, unique new Java demonstration programs, called "Workshop Applets," are provided with the book. These Workshop Applets provide interactive "moving pictures" which the user can control and modify by pressing buttons. The book's text describes specific operations the user can carry out with these Workshop Applets, and the applets then reveal the inner workings of an algorithm or data structure.