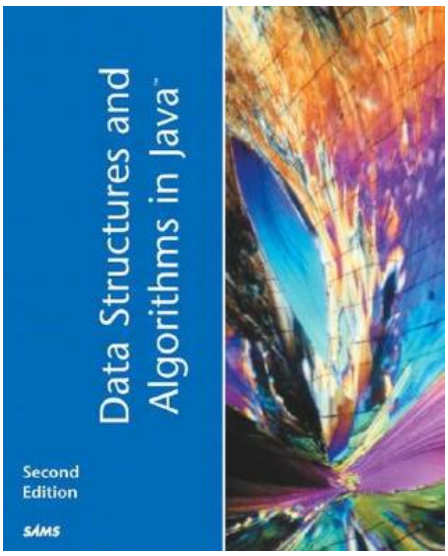

Data Structures and Algorithms in Java

Robert Lafore

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Data Structures and Algorithms in Java, Second Edition is designed to be easy to read and understand although the topic itself is complicated. Algorithms are the procedures that software programs use to manipulate data structures. Besides clear and simple example programs, the author includes a workshop as a small demonstration program executable on a Web browser. The programs demonstrate in graphical form what data structures look like and how they operate. In the second edition, the program is rewritten to improve operation and clarify the algorithms, the example programs are revised to work with the latest version of the Java JDK, and questions and exercises will be added at the end of each chapter making the book even more useful.

Educational Supplement

Suggested solutions to the programming projects found at the end of each chapter are made available to instructors at recognized educational institutions. This educational supplement can be found at www.prenhall.com, in the Instructor Resource Center.

Data Structures and Algorithms in Java Details

Date	:	Published November 16th 2002 by Sams Publishing (first published March 1998)
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Author	:	Robert Lafore
Format	:	Hardcover 800 pages
Genre	:	Computer Science, Programming, Science, Technology, Technical, Nonfiction, Algorithms

From Reader Review Data Structures and Algorithms in Java for online ebook

Valery Lukin says

Amazing and possible to understand book with great examples and good enough explanations.

Nimrod Daniel says

The book covers all the important topics in regard to DS&A – arrays, stacks, queues, link lists, trees, heaps, hashtables, Graphs, recursion, sorting algorithms and few other graph related algorithms. The explanations are great, and the code examples are detailed for every data structure and algorithm, everything is developed from scratch. There’re plenty of workshops applets, though I didn't even check if they’re available because I had no problem to imagine how the algorithms work step by step. The Red-Black tree chapter explains exactly how it works, though there’s no code implementation, and it was nice if it had one. The weighted Graph chapter could have been edited better to my taste, though it’s fine.

All in all it’s a good book on DS&A, and I highly recommend this book to anyone who’s interested in this topic. Sedgewick’s book sounds like a good book to take a step further and dive into algorithms.
4.5-4.75/5

Eric Muyser says

I thought it was very well written and easy to follow. For the most part it's language agnostic. You don't need to "know Java."

Samed Düzçay says

An excellent book **for new learners**. It might be the best book for learning the concepts & general data structures without going into too deep.

Tosy says

A very good tool for anyone interested in mastering data structure and algorithms in java

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Alex says

Solid introduction or review of basic concepts

The name is a bit of a misnomer, it does not through luck explore algorithms, aside from Dijkstra's algorithm most others relate to ADT's, such as red and black or AVL trees. That being said, it's still a good book for introducing the basics for data and abstract data types.

Michael Bond says

Wonderful survey of data structures and algorithms. I probably need another reference on graphs though.

Mahmoud Ilyan says

I recommend to Start Learning Data structures from this Book

Sankalp Suryawanshi says

This is first time ever I read any Data Structures and Algorithms. After almost completing this book I found this book is good for learning concepts. The applet provided are great pictorial presentation.

Nguy?n Kh?i says

Really helpful. Cover a lot of data stuctures may be skipped at university!

Ravish Rawat says

This is the best book you can find on Earth as of now. Perfect explanation of concepts with examples.If you're not someone who come from a computer science background but works as a software engineer even then you can learn D.S from it very easily.

You just need to know Java and this book will take you further.Most gurus lists will tell you that "Introduction to Algorithms" and others is the book to buy in this field. I would strongly disagree with this notion unless the reader is already very savvy in DS&A and good with numbers.

Just DON'T THINK.Buy it.Best book? Yes!

Antriksh Verma Handa says

This book is Bible for people who want to understand every why's and how's of each data structure topic

along with Java code . I have read it to understand the basics prior to get ready for challenging interview questions . In the end of book i can connect the dots as what problem leads to other data structure and ADTs .
All i can say is that I'm a happy programmer after completing this book . (:

Andrew Obrigewitsch says

This is an excellent book on Data Structures and Algorithms, for some reason my teacher chose a book that isn't nearly as good, but this one really helped me to understand what the different algorithms are doing. Especially some of the more abstract ones like Hash Tables and Graphs.

Ivan says

??????, ??????? ???????. ?????????? ?? ???????? (???????? ?? http://cs.brynmawr.edu/Courses/cs206/...). ???????????? ? "???" ? "??????", ???? ???????. ???? ?? ?????.

Evan Snyder says

As an amateur programmer looking to learn what exists beyond arrays, this book was great. I got a very clear overview of the different types of data structures and their attributes, implementation tips, and good code examples.
