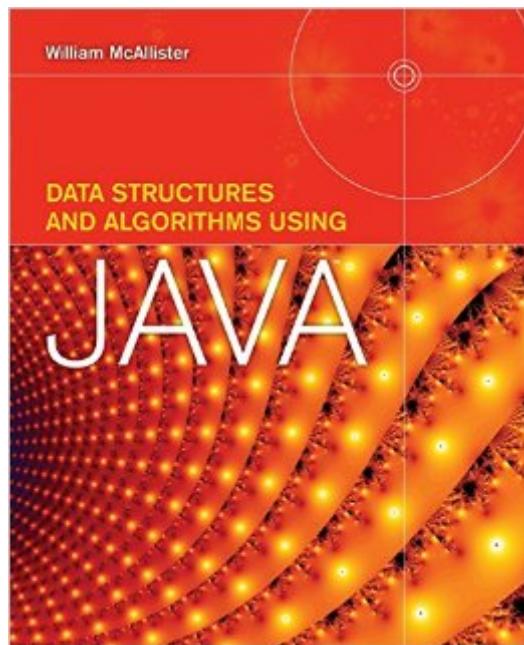


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Data Structures And Algorithms Using Java



Synopsis

With an accessible writing style and manageable amount of content, Data Structures and Algorithms Using Java is the ideal text for your course. This outstanding text correlates to the recommended syllabus put forth by the Association of Computing Machinery standard curriculum guidelines. The author has produced a resource that is more readable and instructional than any other, without compromising the scope of the ACM CS103, Data Structures and Algorithms, course material. The text's unique, student-friendly pedagogical approach and organizational structure will keep students engaged in the process of self-directed investigative discovery both inside and outside the classroom. The pedagogical features of the text, based on the author's 30 years of teaching experience, include succinct code examples, a unique common template used as the organizational basis of each chapter, the use of pseudocode to present the major algorithms developed in the text, nearly 300 carefully designed figures, and a concise review of Java.

Book Information

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Customer Reviews

I am quite new to the Java environment. After learning c# switching to Java was not difficult at all. In order to review the fundamental concepts of Java programming, I thought it would be a good idea to implement data structures using Java so that I would be able to get a hold on my learning. Definitely I found out that it is a great way to get started. I used this book extensively and also went ahead and downloaded the source code to correlate it with the contents of the textbook. I must say the overall organization of the contents is simply great. I observe that a lot of effort is taken by the author to put

across the concepts. Helped me improvise my concepts of Algorithms too. I would say every programmer should use this book to get an understanding of several data structures, to get a thorough understanding of basic Java concepts and also get some great tips on organizing your code.

As noted, this book needed a more thorough editing process. There are errors in the code, and I personally have found easier explanations for many of the concepts. The layout could have been more easy, in that the example tables would be immediately before or following the technical explanation. It's not a bad book, but were it not required for a class I would have elected for an easier-to-read alternative for a lesser price.

I've been boning up on algorithms lately and was interesting in Java based texts since I'm mainly a Java developer. Safari Books Online has this text, but after reading about 150 pages, I had to stop. There are many typos, especially in the code examples. Don't get your brain bent out of whack trying to understand why your implementation does not match theirs as their example is likely wrong in many cases. More importantly, be careful of the advice given in the book as it will burn you in the real world. For example, I was shocked in the Stack and Queue sections when they advised NOT to null out the internal references to an entry when removing a value from the data structure. The authors assert that you can just save time by assuming the entry will be overwritten in the future `put()` operations. If someone at an interview asked "how do you create a memory leak in Java?" this would literally be a textbook example. I switched to *Algorithms* by Sedgewick (cheaper!), also available on Safari Books and also with complete Java examples that actually run. I'd suggest the same to anyone as the examples in that text are much better and it jumps straight to the point unlike this slow moving text where you'll (1) generalize the problem (2) make some pseudo code (3) refine some more pesudo code (4) jump to a Java example. If you're going to work in Java, learn in Java.

This book is okay for a general/introduction to data structures. Most of the examples are pretty well written and the topics are explained well. I found its coverage of speed, big(O) notation and other topics lacking. The book does not go into the dept of coverage you can find in other texts, and often assumes previous knowledge of data structures and algorithms. I think this book is best suited as a reference or supplementary text (think study guide). It does not work well as a primary or sole resource for a data structures course. As such, the price is a bit high. I gave it 3 stars because I received it quickly, and in great condition. (I bought it used, but it looked almost brand new). Would

definitely recommend bookbytl and . Get it used, or use a different text if you are looking for a primary resource.

I really like this book but beware that it is plagued with typos. It's very distracting but you can figure things out if you have the time and patience. This could've been a great book otherwise.

Good product. No markings or highlighters and no bents. Id recommend this product to any and everybody. Just what my class was asking for

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