Java Robert Lafore

DATA STRUCTURES AND ALGORITHMS IN JAVA, 2ND ED
Data Structures & Algorithms in Python
Data Structures and the Java Collections Framework
Object Oriented Programming In C++, 4/E
Data Structures, Algorithms, and Applications in Java
Practical C++ Programming
Data Structures and the Java Collections Framework
Data Structures Using Java
Hands-On Data Structures and Algorithms with Kotlin
Data Structures and Algorithm Analysis in C+
Data Structures & Algorithms in Java
The Algorithm Design Manual
Learn Java in One Day and Learn It Well
Data Structures and Algorithms
Professional Java Development with the Spring Framework
Data Structures and Algorithms in Java
How to Think About Algorithms

Data Structures and Algorithms in Python
Data Structures and Algorithm Analysis in Java
Lafore's Windows Programming Made Easy
The Waite Group's Microsoft C Programming for the PC
Object-oriented Design in Java
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Object-Oriented Programming in C++, 3rd Edition
Data Structure and Algorithmic Thinking with Python
Data Structures and Problem Solving Using Java
Soul of CP/M
OOP - Learn Object Oriented Thinking & Programming
The Waite Group's Master C++
Data Structures and Algorithms Using C#
Think Data Structures
The ANSI/ISO C++ Professional Programmer's Handbook
Introduction to Recursive Programming
Applied Evolutionary Algorithms in Java
Object-Oriented Programming In Microsoft C + +
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Data Structures and Algorithms Using Java

Data Structures and Algorithms in C++
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Data Structures Using Java

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DATA STRUCTURES AND ALGORITHMS IN JAVA, 2ND ED

Galgotia Publications

Strengthen your understanding of data structures and their algorithms for the foundation you need to successfully design, implement and maintain virtually any software system. Theoretical, yet practical, DATA STRUCUTRES AND ALGORITHMS IN C++, 4E by experienced author Adam Drosdek highlights the fundamental connection between data structures and their algorithms, giving equal weight to the practical implementation of data structures and the theoretical analysis of algorithms and their efficiency. This edition provides critical new coverage of treaps, k-d trees and k-d B-trees, generational garbage collection, and other advanced topics such as sorting methods and a new hashing technique. Abundant C++ code examples and a variety of case studies provide valuable insights into data structures implementation. DATA STRUCTURES AND ALGORITHMS IN C++ provides the balance of theory and practice to prepare readers for a variety

of applications in a modern, object-oriented paradigm. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Data Structures & Algorithms in Python

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LEARN HOW TO USE DATA STRUCTURES IN WRITING HIGH PERFORMANCE PYTHON PROGRAMS AND ALGORITHMS This practical introduction to data structures and algorithms can help every programmer who wants to write more efficient software. Building on Robert Lafore's legendary Java-based guide, this book helps you understand exactly how data structures and algorithms operate. You'll learn how to efficiently apply them with the enormously popular Python language and scale your code to handle today's big data challenges. Throughout, the authors focus on real-world examples, communicate key ideas with intuitive, interactive visualizations, and limit complexity and math to what you need to improve performance. Step-by-step, they introduce arrays, sorting, stacks, queues, linked lists, recursion, binary trees, 2-3-4 trees, hash tables, spatial data structures, graphs, and more. Their code examples and illustrations are so clear, you can understand them even if you're a near-beginner, or your experience is with other procedural or object-oriented languages. Build core computer science skills that take you beyond merely “writing code” Learn how data structures

make programs (and programmers) more efficient See how data organization and algorithms affect how much you can do with today's, and tomorrow's, computing resources Develop data structure implementation skills you can use in any language Choose the best data structure(s) and algorithms for each programming problem—and recognize which ones to avoid Data Structures & Algorithms in Python is packed with examples, review questions, individual and team exercises, thought experiments, and longer programming projects. It's ideal for both self-study and classroom settings, and either as a primary text or as a complement to a more formal presentation.

Data Structures and the Java Collections Framework Jones & Bartlett Learning

Understand and solve complex computational problems and write efficient code with Kotlin Key FeaturesLearn about important data structures such as lists, arrays, queues, and stacksDesign custom algorithms for real-life implementationsIdentify suitable tools for different scenarios and deliver immediate resultsBook Description Data structures and algorithms are more than just theoretical concepts. They help you become familiar with computational methods for solving problems and writing logical code. Equipped with this knowledge, you can write efficient programs that run faster and use less memory. Hands-On Data Structures and Algorithms with Kotlin book starts with the basics of algorithms and data structures, helping you get to grips with

the fundamentals and measure complexity. You'll then move on to exploring the basics of functional programming while getting used to thinking recursively. Packed with plenty of examples along the way, this book will help you grasp each concept easily. In addition to this, you'll get a clear understanding of how the data structures in Kotlin's collection framework work internally. By the end of this book, you will be able to apply the theory of data structures and algorithms to work out real-world problems. What you will learnUnderstand the basic principles of algorithms and data structuresExplore general-purpose data structures with arrays and linked listsGet to grips with the basics of stacks, queues, and double-ended queuesUnderstand functional programming and related data structuresUse performant searching and efficient sortingUncover how Kotlin's collection framework functionsBecome adept at implementing different types of mapsWho this book is for If you're a Kotlin developer who wants to learn the intricacies of implementing data structures and algorithms for scalable application development, this book is for you.

Object Oriented Programming In C++, 4/E Cambridge University Press

Based on the authors' market leading data structures books in Java and C++, this textbook offers a comprehensive, definitive introduction to data structures in Python by respected authors. Data Structures and Algorithms in Python is

the first mainstream object-oriented book available for the Python data structures course. Designed to provide a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation, the text will maintain the same general structure as Data Structures and Algorithms in Java and Data Structures and Algorithms in C++.
Data Structures, Algorithms, and Applications in Java Course Technology
Designed to be easy to read and understand although the topic itself is complicated, this book explains that algorithms are the procedures that software programs use to manipulate data structures. Besides clear and simple example programs, Lafore includes a workshop as a small demonstration program executable on a Web browser.
Practical C++ Programming Wait Groupe Press
A concise professional C++ reference tool that presents all of the changes and addenda to the language specification. The book contains tips and guidelines for exerting the full potential of C++ as a multi-purpose object-oriented programming language.
Data Structures and the Java Collections Framework Careermonk Publications
You can find a whole range of programming textbooks intended for complete beginners. However, this one is exceptional to certain extent. The whole textbook is designed as a record of the dialogue of the author with his daughter who wants to learn programming. The author endeavors not

to explain the Java programming language to the readers, but to teach them real programming. To teach them how to think and design the program as the experienced programmers do. Entire matter is explained in a very illustrative way which means even a current secondary school student can understand it quite simply.

Data Structures Using Java "O'Reilly Media, Inc."

This highly-anticipated CS2 text from Dr. D.S. Malik is ideal for a one-semester course focused on data structures. Clearly written with the student in mind, this text focuses on Data Structures and includes advanced topics in Java such as Linked Lists and the Standard Template Library (STL). This student-friendly text features abundant Programming Examples and extensive use of visual diagrams to reinforce difficult topics. Students will find Dr. Malik's use of complete programming code and clear display of syntax, explanation, and example easy to read and conducive to learning.

Hands-On Data Structures and Algorithms with Kotlin CRC Press

Complete with a disk of programs and templates, this guide is based on the fact that one doesn't need to know everything about Windows programming to write programs in Windows. The trick is in knowing what is and isn't important. Lafore explains the essentials and leaves out the extras. Features short, pithy, to-the-point chapters that explain the simplest and fastest ways to perform Windows programming--and a disk that

speeds the learning process.
Data Structures and Algorithm Analysis in C+ McGraw-Hill Science, Engineering & Mathematics
Market_Desc: · Computer Programmers· Software Engineers· Scientists Special Features: · Focused coverage of the most-used data structures and algorithms· Expanded discussion of object-oriented design and the Java programming language, including the Collections Framework and Design Patterns· Expanded coverage of Internet-related topics, including hashing and text processing About The Book: In this book, the authors incorporate the object-oriented design paradigm using java as the implementation language, while also providing intuition and analysis of fundamental data structures and algorithms. All this is done in a clear, friendly writing style that uses pictures and simplified mathematical analyses to justify important analytic concepts.
Data Structures & Algorithms in Java Packt Publishing Ltd
No background in C is required to learn to program in C++ with this innovative computer-based training system. -- Covers everything needed for writing OOP programs -- Goes over the fundamentals of C that are common to C++ -- Monitors progress like a patient teacher -- Teaches object-oriented programming and the C++ language syntax quickly and efficiently
The Algorithm Design Manual Prentice Hall
Have you ever wanted to learn computer programming but were afraid it would be

too difficult for you? Or perhaps you already know other programming languages, and are now interested in learning Java. Java can be used to develop applications for desktop, web, and even mobile devices. Java is platform independent, which means a program written in Java can be executed on any operating system, including Windows, Mac and Linux.

Learn Java in One Day and Learn It Well Springer Science & Business Media

Data Structures & Theory of Computation

Data Structures and Algorithms Pearson Education India

C++ is a powerful, highly flexible, and adaptable programming language that allows software engineers to organize and process information quickly and effectively. But this high-level language is relatively difficult to master, even if you already know the C programming language.The 2nd edition of Practical C++ Programming is a complete introduction to the C++ language for programmers who are learning C++. Reflecting the latest changes to the C++ standard, this 2nd edition takes a useful down-to-earth approach, placing a strong emphasis on how to design clean, elegant code.In short, to-the-point chapters, all aspects of programming are covered including style, software engineering, programming design, object-oriented design, and debugging. It also covers common mistakes and how to find (and avoid) them. End of chapter exercises help you ensure you've mastered the material.Practical C++

Programming thoroughly covers: C++ Syntax Coding standards and style Creation and use of object classes Templates Debugging and optimization Use of the C++ preprocessor File input/output Steve Oualline's clear, easy-going writing style and hands-on approach to learning make Practical C++ Programming a nearly painless way to master this complex but powerful programming language.

Professional Java Development with the Spring Framework Packt Publishing Ltd

Data Structures and Algorithm Analysis in Java is an advanced algorithms book that fits between traditional CS2 and Algorithms Analysis courses. In the old ACM Curriculum Guidelines, this course was known as CS7. It is also suitable for a first-year graduate course in algorithm analysis As the speed and power of computers increases, so does the need for effective programming and algorithm analysis. By approaching these skills in tandem, Mark Allen Weiss teaches readers to develop well-constructed, maximally efficient programs in Java. Weiss clearly explains topics from binary heaps to sorting to NP-completeness, and dedicates a full chapter to amortized analysis and advanced data structures and their implementation. Figures and examples illustrating successive stages of algorithms contribute to Weiss' careful, rigorous and in-depth analysis of each type of algorithm. A logical organization of topics and full access to source code complement the text's coverage.

Data Structures and Algorithms in Java

Pearson Education
This book is intended for students, researchers, and professionals interested in evolutionary algorithms at graduate and postgraduate level. No mathematics beyond basic algebra and Cartesian graphs methods is required, as the aim is to encourage applying the JAVA toolkit to develop an appreciation of the power of these techniques.
How to Think About Algorithms Jones & Bartlett Publishers
In this second edition of his successful book, experienced teacher and author Mark Allen Weiss continues to refine and enhance his innovative approach to algorithms and data structures. Written for the advanced data structures course, this text highlights theoretical topics such as abstract data types and the efficiency of algorithms, as well as performance and running time. Before covering algorithms and data structures, the author provides a brief introduction to C++ for programmers unfamiliar with the language. Dr Weiss's clear writing style, logical organization of topics, and extensive use of figures and examples to demonstrate the successive stages of an algorithm make this an accessible, valuable text. New to this Edition *An appendix on the Standard Template Library (STL) *C++ code, tested on multiple platforms, that conforms to the ANSI ISO final draft standard 0201361221B04062001
Data Structures and Algorithms in Python Prentice Hall
This student-friendly book is designed for a course in data structures where the

implementation language is Java. The focus is on teaching students how to apply the concepts presented, therefore many applications and examples are included, as well as programming projects, which get students thinking more deeply. The author shows students how to use the data structures provided in the Java Collections Framework, as well as teaching them how to build the code themselves. Using the Java Collections Framework gives the students the opportunity to work with fully tested code. Also, since this is a standard library of classes, students will be able to continue to use it for other courses and as they move into industry. Another feature of this text is that labs are provided with the book. They can be used as open-labs, closed labs, or homework assignments and are designed to give students hands-on experiences in programming. These optional labs provide excellent practice and additional material.

Data Structures and Algorithm Analysis in Java Prentice Hall

It is the Python version of "Data Structures and Algorithms Made Easy." Table of Contents: goo.gl/VLEUca Sample Chapter: goo.gl/8AEcYk Source Code: goo.gl/L8Xxdt The sample chapter should give you a very good idea of the quality and style of our book. In particular, be sure you are comfortable with the level and with our Python coding style. This book focuses on giving solutions for complex problems in data structures and algorithm. It even provides multiple solutions for a single

problem, thus familiarizing readers with different possible approaches to the same problem. "Data Structure and Algorithmic Thinking with Python" is designed to give a jump-start to programmers, job hunters and those who are appearing for exams. All the code in this book are written in Python. It contains many programming puzzles that not only encourage analytical thinking, but also prepares readers for interviews. This book, with its focused and practical approach, can help readers quickly pick up the concepts and techniques for developing efficient and effective solutions to problems. Topics covered include: Organization of Chapters Introduction Recursion and Backtracking Linked Lists Stacks Queues Trees Priority Queues and Heaps Disjoint Sets ADT Graph Algorithms Sorting Searching Selection Algorithms [Medians] Symbol Tables Hashing String Algorithms Algorithms Design Techniques Greedy Algorithms Divide and Conquer Algorithms Dynamic Programming Complexity Classes Hacks on Bit-wise Programming Other Programming Questions

Lafore's Windows Programming Made Easy John Wiley & Sons

If you’re a student studying computer science or a software developer preparing for technical interviews, this practical book will help you learn and review some of the most important ideas in software engineering—data structures and algorithms—in a way that’s clearer, more concise, and more engaging than other materials. By emphasizing

practical knowledge and skills over theory, author Allen Downey shows you how to use data structures to implement efficient algorithms, and then analyze and measure their performance. You'll explore the important classes in the Java collections framework (JCF), how they're implemented, and how they're expected to perform. Each chapter presents hands-on exercises supported by test code online. Use data structures such as lists and maps, and understand how they work Build an application that reads Wikipedia pages, parses the contents, and navigates the resulting data tree Analyze code to predict how fast it will run and how much memory it will require Write classes that implement the Map interface, using a hash table and binary search tree Build a simple web search engine with a crawler, an indexer that stores web page contents, and a retriever that returns user query results Other books by Allen Downey include Think Java, Think Python, Think Stats, and Think Bayes.