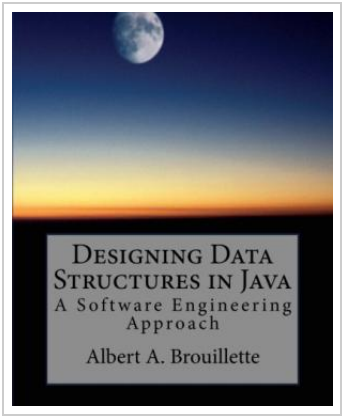

Designing Data Structures in Java: A Software Engineering Approach (Paperback)

By Albert a Brouillette

Createspace, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Designing Data Structures in Java provides a solid foundation for anyone seeking to understand the how and the why of programming data structures. Intended for the reader with an introductory Java background, this book aims to meet the needs of students enrolled in a typical Data Structures and Algorithms with Java (CS2) course. Starting with a description of the software development process, the book takes a problem-solving approach to programming, and shows how data structures form the building blocks of well-designed and cleanly-implemented programs. Topics include: Problem solving, Abstraction, Java objects and references, Arrays, Abstract Data Types, Ordered lists, Sorting, Algorithm evaluation, Binary searches, Stacks, Queues, Linked Lists, Double-ended lists, Recursion, Doubly-linked lists, Binary Search Trees, Traversals, Heaps, and more. Mr. Brouillette s 25+ years of experience as a software engineer and educator allow him to bring a unique and refreshing perspective to the topic of data structures which is rigorous, accessible and practical. Material is presented in a top down approach, beginning with explanations of why different data structures are used, continuing with clearly illustrated concepts of how the structures work,...

Reviews

A brand new e book with a new perspective. Better then never, though i am quite late in start reading this one. I found out this ebook from my dad and i advised this publication to find out.

-- ***Hailee Hahn IV***

Definitely one of the better book We have possibly read. We have read through and i also am certain that i am going to gonna study once again yet again in the foreseeable future. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- ***Enrique Labadie***