

FOURTH EDITION

DATA STRUCTURES & Other Objects Using

JAVA



MICHAEL MAIN

Data Structures And Other Objects Using Java 4th Edition

Michael Main



Data Structures And Other Objects Using Java 4th Edition:

Data Structures and Other Objects Using Java Michael Main,2011 *Data Structures & Other Objects Using Java* Michael Main,1999 In this book author Michael Main takes a gentle approach to the data structures course in Java The text offers an early self contained review of object oriented programming and Java to give students a firm grasp of key concepts and allows students with a variety of backgrounds to adjust easily to the course This book offers a flexibility that gives professors such options as emphasizing object oriented programming covering recursion and sorting early or accelerating the pace of the course Main s book meets the needs of professors searching for a text that balances object oriented programming and data structures with Java *Data Structures and Other Objects Using Java* Addison-Wesley Longman, Incorporated,1998-11-01 *Essentials of Software Engineering* Frank F. Tsui,Orlando Karam,Barbara Bernal,2016-12-05 Written for the undergraduate one term course *Essentials of Software Engineering* Fourth Edition provides students with a systematic engineering approach to software engineering principles and methodologies Comprehensive yet concise the Fourth Edition includes new information on areas of high interest to computer scientists including Big Data and developing in the cloud **Essentials of Software Engineering** Frank Tsui,Orlando Karam,Barbara Bernal,2022-01-24 Written for the undergraduate 1 term course *Essentials of Software Engineering* provides students with a systematic engineering approach to software engineering principles and methodologies Comprehensive yet concise the new edition covers some of the latest improvements in technology and tools while reducing areas that are becoming less relevant In depth coverage of key issues combined with a strong focus on software quality makes *Essentials of Software Engineering* the perfect text for students entering the fast growing and lucrative field of software development The text includes thorough overviews of programming concepts system analysis and design principles of software engineering development and support processes methodologies software testing quality assurance and product management while incorporating real world examples throughout Presents a broad coverage of the software engineering field that lends itself well to an introductory course Clearly differentiates and explains software engineering from the subtopics of software processes software development and software management Expanded coverage of continuous integration and Agile methodologies New coverage of contemporary design and development ideas including SOA microservices virtualization and containerization 2023 332 pages [Database Systems](#) Elvis Foster,Shripad Godbole,2022-09-26 This book provides a concise but comprehensive guide to the disciplines of database design construction implementation and management Based on the authors professional experience in the software engineering and IT industries before making a career switch to academia the text stresses sound database design as a necessary precursor to successful development and administration of database systems The discipline of database systems design and management is discussed within the context of the bigger picture of software engineering Students are led to understand from the outset of the text that a database is a critical component of a software infrastructure and that proper

database design and management is integral to the success of a software system. Additionally, students are led to appreciate the huge value of a properly designed database to the success of a business enterprise. The text was written for three target audiences: It is suited for undergraduate students of computer science and related disciplines who are pursuing a course in database systems; graduate students who are pursuing an introductory course to database and practicing software engineers and information technology (IT) professionals who need a quick reference on database design. *Database Systems: A Pragmatic Approach*, 3rd Edition, discusses concepts, principles, design, implementation, and management issues related to database systems. Each chapter is organized into brief, reader-friendly, conversational sections with itemization of salient points to be remembered. This pragmatic approach includes adequate treatment of database theory and practice based on strategies that have been tested, proven, and refined over several years. Features of the third edition include short paragraphs that express the salient aspects of each subject; bullet points itemizing important points for easy memorization; fully revised and updated diagrams and figures to illustrate concepts to enhance the student's understanding; real-world examples; original methodologies applicable to database design; step-by-step, student-friendly guidelines for solving generic database systems problems; opening chapter overviews and concluding chapter summaries; discussion of DBMS alternatives such as the Entity-Attributes-Value model, NoSQL databases, database supporting frameworks, and other burgeoning database technologies. A chapter with sample assignment questions and case studies. This textbook may be used as a one-semester or two-semester course in database systems, augmented by a DBMS, preferably Oracle. After its usage, students will come away with a firm grasp of the design, development, implementation, and management of a database system.

Database Systems, Elvis C. Foster, Shripad Godbole, 2016-11-07. Learn the concepts, principles, design, implementation, and management issues of databases. You will adopt a methodical and pragmatic approach to solving database systems problems. *Database Systems: A Pragmatic Approach* provides a comprehensive yet concise introduction to database systems with special emphasis on the relational database model. This book discusses the database as an essential component of a software system as well as a valuable mission-critical corporate resource. New in this second edition is updated SQL content covering the latest release of the Oracle Database Management System, along with a reorganized sequence of the topics which is more useful for learning. Also included are revised and additional illustrations as well as a new chapter on using relational databases to anchor large, complex management support systems. There is also added reference content in the appendixes. This book is based on lecture notes that have been tested and proven over several years with outstanding results. It combines a balance of theory with practice to give you your best chance at success. Each chapter is organized systematically into brief sections with itemization of the important points to be remembered. Additionally, the book includes a number of author Elvis Foster's original methodologies that add clarity and creativity to the database modeling and design experience. What You'll Learn: Understand the relational model and the advantages it brings to software systems; Design database schemas with integrity rules that

ensure correctness of corporate data Query data using SQL in order to generate reports charts graphs and other business results Understand what it means to be a database administrator and why the profession is highly paid Build and manage web accessible databases in support of applications delivered via a browser Become familiar with the common database brands their similarities and differences Explore special topics such as tree based data hashing for fast access distributed and object databases and more Who This Book Is For Students who are studying database technology who aspire to a career as a database administrator or designer and practicing database administrators and developers desiring to strengthen their knowledge of database theory

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