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Schaum's Outline of UML - Simon Bennett 2005

UML has established itself as the industry standard for modeling software systems. Schaum's Outline of UML, Second Edition, provides you with a step-by-step guide to the notation and use of UML, with a focus on the new UML 2.0 software. The book features: Complete explanations of UML modeling technique An exploration of the new UML 2.0 infrastructure Examples and exercises Two extended cases studies New review questions And more

Data Structures Through C In Depth - Suresh Kumar Srivastava 2004-05-01

This book is written in very simple manner and is very easy to understand. It describes the theory with examples step by step. It contains the description of writing these steps in programs in very easy and understandable manner. The book gives full understanding of each therotical topic and easy implementaion in programming. This book will help the students in Self-Learning of Data structures and in understanding how these concepts are implemented in programs. This book is useful for any level of students. It covers the syllabus of B.E. ,B.Tech, DOEACC Society, IGNOU.

Schaum's Outline of Discrete Mathematics, Fourth Edition - Seymour Lipschutz 2021-11-30

Study smarter and stay on top of your discrete mathematics course with the bestselling Schaum's Outline—now with the NEW Schaum's app and website! Schaum's Outline of Discrete Mathematics, Fourth Edition is the go-to study guide for more than 115,000 math majors and first- and second-year university students taking basic computer science courses. With an outline format that facilitates quick and easy review, Schaum's Outline of Discrete Mathematics, Fourth Edition helps you understand basic concepts and get the extra practice you need to excel in these courses. Coverage includes set theory; relations; functions and algorithms; logic and propositional calculus; techniques of counting; advanced counting techniques, recursion; probability; graph theory; directed graphs; binary trees; properties of the integers; languages, automata, machines; finite state machines and Turning machines; ordered sets and lattices, and Boolean algebra. Features • NEW to this edition: the new Schaum's app and website! • NEW to this edition: 20 NEW problem-solving videos online • 467 solved problems, and hundreds of additional practice problems • Outline format to provide a concise guide to the standard college course in discrete mathematics • Clear, concise explanations of discrete mathematics concepts • Expanded coverage of logic, the rules of inference and basic types of proofs in mathematical reasoning • Increased emphasis on discrete probability and aspects of probability theory, and greater accessibility to counting techniques. • Logic chapter emphasizes the IF-THEN and IF-THEN-ELSE sequencing that occurs in computer programming • Computer arithmetic chapter covers binary and hexagon addition and multiplication • Cryptology chapter includes substitution and RSA method • Supports these major texts: Discrete Mathematics and Its Applications (Rosen), and Discrete Mathematics (Epp) • Appropriate for the following courses: Introductory Discrete Mathematics and Discrete Mathematics

Schaum's Outline of Data Structures with Java, 2ed - John Hubbard 2009-06-10

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the

essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Schaum's Outline of Principles of Computer Science - Paul Tymann 2008-03-19

Learn the essentials of computer science Schaum's Outline of Principles of Computer Science provides a concise overview of the theoretical foundation of computer science. It also includes focused review of object-oriented programming using Java.

Data Structures Using C++ - D. S. Malik 2009-07-31

Now in its second edition, D.S. Malik brings his proven approach to C++ programming to the CS2 course. Clearly written with the student in mind, this text focuses on Data Structures and includes advanced topics in C++ such as Linked Lists and the Standard Template Library (STL). The text features abundant visual diagrams, examples, and extended Programming Examples, all of which serve to illuminate difficult concepts. Complete programming code and clear display of syntax, explanation, and example are used throughout the text, and each chapter concludes with a robust exercise set. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Schaum's Outline of Theory and Problems of Data Structures - Seymour Lipschutz 2014

Fundamentals of Data Structures in C++ - Ellis Horowitz 1995-02-15

Introduction to Computer Science - Jean-Paul Tremblay 1989

Programming in C: A Practical Approach - Mittal, Ajay 2010

Programming in C: A Practical Approach has a perfect blend of theory as well as practical knowledge. The presentation has been done in such a way that it helps the readers to learn the concepts through practice and programming.

Data Structures Using C - Reema Thareja 2014-07-11

This second edition of Data Structures Using C has been developed to provide a comprehensive and consistent coverage of both the abstract concepts of data structures as well as the implementation of these concepts using C language. It begins with a thorough overview of the concepts of C programming followed by introduction of different data structures and methods to analyse the complexity of different algorithms. It then connects these concepts and applies them to the study of various data structures such as arrays, strings, linked lists, stacks, queues, trees, heaps, and graphs. The book utilizes a systematic approach wherein the design of each of the data structures is followed by algorithms of different operations that can be performed on them, and the analysis of these algorithms in terms of their running times. Each chapter

includes a variety of end-chapter exercises in the form of MCQs with answers, review questions, and programming exercises to help readers test their knowledge.

Data Structures and Algorithms - G. A. V. Pai 2008

OVERVIEWS :Intended for a course on Data Structures at the UG level, this title details concepts, techniques, and applications pertaining to the subject in a lucid style. Independent of any programming language, the text discusses several illustrative pr.

DATA STRUCTURE USING C. - ANIL K. AHLAWAT 2019

Data Structures and Algorithms with JavaScript - Michael McMillan 2014-03-10

As an experienced JavaScript developer moving to server-side programming, you need to implement classic data structures and algorithms associated with conventional object-oriented languages like C# and Java. This practical guide shows you how to work hands-on with a variety of storage mechanisms—including linked lists, stacks, queues, and graphs—within the constraints of the JavaScript environment. Determine which data structures and algorithms are most appropriate for the problems you're trying to solve, and understand the tradeoffs when using them in a JavaScript program. An overview of the JavaScript features used throughout the book is also included. This book covers: Arrays and lists: the most common data structures Stacks and queues: more complex list-like data structures Linked lists: how they overcome the shortcomings of arrays Dictionaries: storing data as key-value pairs Hashing: good for quick insertion and retrieval Sets: useful for storing unique elements that appear only once Binary Trees: storing data in a hierarchical manner Graphs and graph algorithms: ideal for modeling networks Algorithms: including those that help you sort or search data Advanced algorithms: dynamic programming and greedy algorithms

Schaum's Outline of Theory and Problems of General Topology - Seymour Lipschutz 1965

CLASSIC DATA STRUCTURES, 2nd ed. - Samanta 2008-12-01

Schaum's Outline of Astronomy - Stacey Palen 2001-12-21

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Schaum's Outline of Theory and Problems of Data Structures with C++ - John Hubbard 2000

Over 119,000 computer science majors and advanced placement students enroll yearly in required Data Structures/Computer Science II classes, and C++ is the language they use. Adhering to the new ISO standard for C++ (which has rendered previous C++ guides obsolete) Schaum's presents the most up-to-date study guide on Data Structures, simplifying and demonstrating difficult concepts through solved problems and examples.

Schaum's Outline of Introduction to Computer Science - Ramon A. Mata-Toledo 1999

Illustrates key computing concepts using examples in the most popular programming languages. This is an essential guide for the hundreds of thousands of students studying Introduction to Computer Science or Introduction to Programming, presenting the basic concepts of computerscience and illustrating them with examples in C/C++, and Java. More than 285,000 college majors and 11,000 high school Advanced Placement candidates are enrolled in required Computing Science courses. Explains algorithm development and data abstraction. Supplements leading computer science textbooks.

Data Structures: A Pseudocode Approach with C - Richard F. Gilbert 2004-10-11

This second edition expands upon the solid, practical foundation established in the first edition of the text. Important Notice: Media content referenced within the product description or the product text may not be

available in the ebook version.

Data Structures Through C - Yashavant P. Kanetkar 2003-02-01

Data Structures Using C - Aaron M.. Tenenbaum 2003

Practical Discrete Mathematics - Ryan T. White 2021-02-22

A practical guide simplifying discrete math for curious minds and demonstrating its application in solving problems related to software development, computer algorithms, and data science Key FeaturesApply the math of countable objects to practical problems in computer scienceExplore modern Python libraries such as scikit-learn, NumPy, and SciPy for performing mathematicsLearn complex statistical and mathematical concepts with the help of hands-on examples and expert guidanceBook Description Discrete mathematics deals with studying countable, distinct elements, and its principles are widely used in building algorithms for computer science and data science. The knowledge of discrete math concepts will help you understand the algorithms, binary, and general mathematics that sit at the core of data-driven tasks. Practical Discrete Mathematics is a comprehensive introduction for those who are new to the mathematics of countable objects. This book will help you get up to speed with using discrete math principles to take your computer science skills to a more advanced level. As you learn the language of discrete mathematics, you'll also cover methods crucial to studying and describing computer science and machine learning objects and algorithms. The chapters that follow will guide you through how memory and CPUs work. In addition to this, you'll understand how to analyze data for useful patterns, before finally exploring how to apply math concepts in network routing, web searching, and data science. By the end of this book, you'll have a deeper understanding of discrete math and its applications in computer science, and be ready to work on real-world algorithm development and machine learning. What you will learnUnderstand the terminology and methods in discrete math and their usage in algorithms and data problemsUse Boolean algebra in formal logic and elementary control structuresImplement combinatorics to measure computational complexity and manage memory allocationUse random variables, calculate descriptive statistics, and find average-case computational complexitySolve graph problems involved in routing, pathfinding, and graph searches, such as depth-first searchPerform ML tasks such as data visualization, regression, and dimensionality reductionWho this book is for This book is for computer scientists looking to expand their knowledge of discrete math, the core topic of their field. University students looking to get hands-on with computer science, mathematics, statistics, engineering, or related disciplines will also find this book useful. Basic Python programming skills and knowledge of elementary real-number algebra are required to get started with this book.

Set Theory and Related Topics - Seymour Lipschutz 1998

Data Structures Using C - E. Balagurusamy 2013

Data Structures & Algorithms Using C++ - R.S. Salaria 2015

Provides a comprehensive coverage of the subject, Includes numerous illustrative example, Demonstrate the development of algorithms in a lucid manner, Demonstrate the implementation of algorithms in a good programming style, provides challenging programming exercise to test you knowledge gained about the subject, Glossary of terms for ready reference

Data Structures and Algorithms Made Easy - CareerMonk Publications 2008-05-05

Data Structures And Algorithms Made Easy: Data Structure And Algorithmic Puzzles is a book that offers solutions to complex data structures and algorithms. There are multiple solutions for each problem and the book is coded in C/C++, it comes handy as an interview and exam guide for computer...

Schaum's Outline of Theory and Problems of Data Structures - Seymour Lipschutz 1986

An introduction to data organization includes discussions of algorithms, arrays, string processing, linked lists, and binary trees

Schaum's Outline of Linear Algebra Fourth Edition - Seymour Lipschutz 2008-08-31

Schaum's has Satisfied Students for 50 Years. Now Schaum's Biggest Sellers are in New Editions! For half

a century, more than 40 million students have trusted Schaum's to help them study faster, learn better, and get top grades. Now Schaum's celebrates its 50th birthday with a brand-new look, a new format with hundreds of practice problems, and completely updated information to conform to the latest developments in every field of study. Schaum's Outlines-Problem Solved More than 500,000 sold! Linear algebra is a foundation course for students entering mathematics, engineering, and computer science, and the fourth edition includes more problems connected directly with applications to these majors. It is also updated throughout to include new essential appendices in algebraic systems, polynomials, and matrix applications. **Schaum's Outline of Discrete Mathematics, Revised Third Edition** - Seymour Lipschutz 2009-05-01 Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you: Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Data Structure, Algorithms and Design Techniques - Jitendra Patel

Principles of Data Structures Using C and C++ - Vinu V. Das 2006

About the Book: Principles of DATA STRUCTURES using C and C++ covers all the fundamental topics to give a better understanding about the subject. The study of data structures is essential to every one who comes across with computer science. This book is written in accordance with the revised syllabus for B. Tech./B.E. (both Computer Science and Electronics branches) and MCA. students of Kerala University, MG University, Calicut University, CUSAT Cochin (deemed) University. NIT Calicut (deemed) University, Anna University, UP Technical University, Amritha Viswa (deemed) Vidyapeeth, Karunya (deed).

A Practical Approach To Data Structures And Algorithms - Sanjay Pahuja 2007

Schaum's Outline of Computer Graphics 2/E - Zhigang Xiang 2000-09-29

Scores of examples and problems allow students to hone their skills. Clear explanations of fundamental tasks facilitate students' understanding of important concepts. New! Chapters on shading models, shadow, and texture—including the Phong illumination model—explain the latest techniques and tools for achieving photorealism in computer graphics.

Fundamentals Of Data Structures In C(Pul) - Horowitz Ellis Sahni Sartaj & Anderson-Freed Susan 2008

The classic data structure textbook provides a comprehensive and technically rigorous introduction to data structures such as arrays, stacks, queues, linked lists, trees and graphs, and techniques such as sorting hashing that form the basis of all software. In addition, it presents advanced of specialized data structures

such as priority queues, efficient binary search trees, multiway search trees and digital search structures. The book now discusses topics such as weight biased leftist trees, pairing heaps, symmetric min-max heaps, interval heaps, top-down splay trees, B+ trees and suffix trees. Red-black trees have been made more accessible. The section on multiway tries has been significantly expanded and several trie variations and their application to Internet packet forwarding have been discussed.

Data Structures using C - Amol M. Jagtap 2021-11-08

The data structure is a set of specially organized data elements and functions, which are defined to store, retrieve, remove and search for individual data elements. Data Structures using C: A Practical Approach for Beginners covers all issues related to the amount of storage needed, the amount of time required to process the data, data representation of the primary memory and operations carried out with such data. Data Structures using C: A Practical Approach for Beginners book will help students learn data structure and algorithms in a focused way. Resolves linear and nonlinear data structures in C language using the algorithm, diagrammatically and its time and space complexity analysis Covers interview questions and MCQs on all topics of campus readiness Identifies possible solutions to each problem Includes real-life and computational applications of linear and nonlinear data structures This book is primarily aimed at undergraduates and graduates of computer science and information technology. Students of all engineering disciplines will also find this book useful.

Data Structures Using C, 2/e - Rath 2007

Data Structures and Program Design in C - Robert Kruse 2007-09

Schaum's Outline of Theory and Problems of Linear Algebra - Seymour Lipschutz 1991

Basic definitions, explorations of principles and theorems, and solved problems provide a theoretical framework and computational tool for understanding linear algebra

Schaum's Outline of Linear Algebra, Sixth Edition - Seymour Lipschutz 2017-10-27

Tough Test Questions? Missed Lectures? Not Enough Time? Textbook too Pricey? Fortunately, there's Schaum's. This all-in-one-package includes more than 600 fully-solved problems, examples, and practice exercises to sharpen your problem-solving skills. Plus, you will have access to 25 detailed videos featuring math instructors who explain how to solve the most commonly tested problems--it's just like having your own virtual tutor! You'll find everything you need to build confidence, skills, and knowledge for the highest score possible. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. Helpful tables and illustrations increase your understanding of the subject at hand. Schaum's Outline of Linear Algebra, Sixth Edition features: • Updated content to match the latest curriculum • Over 600 problems with step-by-step solutions • An accessible outline format for quick and easy review • Clear explanations for all linear algebra concepts • Access to revised Schaums.com website with access to 25 problem-solving videos, and more