
Classic Data Structures Debasis Samanta

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Algorithms For Dummies
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Coding Interview Questions
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OBJECT-ORIENTED PROGRAMMING WITH C++ AND JAVA

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POPE LOPEZ

Computer Concepts and C Programming : Wolters

kluwer india Pvt Ltd

Provides a comprehensive account of the various methods and techniques of representing data structures. This text presents all the important data structures used in system programming and application programming, along with their definitions, operations, implementation and applications.

Data Structures and Algorithms Made Easy

Addison-Wesley Professional

It is the Python version of "Data Structures and Algorithms Made Easy."

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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

Algorithms For Dummies

Delmar Thomson Learning

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...

CLASSIC DATA

STRUCTURES, 2nd ed.

PHI Learning Pvt. Ltd.

MATLAB is a very

powerful, high-level

technical computing

language used by

mathematicians,

scientists and engineers

to solve problems in a

wide range of application

areas. It also comes with

several toolboxes to solve

most common problems.

The book introduces

MATLAB programming in

simple language with

numerous examples that

help clarify the concepts.

It is designed to enable

readers develop a strong

working knowledge of

MATLAB and acquire

programming skills to

write efficient programs.

The book is suitable for

undergraduate and

postgraduate engineering

students, researchers and

professionals who wish to learn this language quickly and more conveniently. The readers after going through this book will be able to write their own programs to solve scientific and engineering problems of varying complexity. **KEY FEATURES :** Use of system commands and problem-solving techniques in command windows is explained in simple and clear language. Handling of arrays and matrices, which are the main entities in MATLAB environment, is discussed extensively in separate chapters. Handling of cell arrays and structures is described clearly with examples. Techniques of developing new MATLAB programs using scripts and functions are explained in a systematic way. File-handling techniques are also demonstrated. Topics of two-dimensional graphics are discussed with illustrative plots. GUI programming is introduced in an easily understandable way. **CHILDHOOD AND GROWING UP** Addison-Wesley Professional

The common use of the Internet and cloud services in transmission of large amounts of data over open networks and

insecure channels, exposes that private and secret data to serious situations. Ensuring the information transmission over the Internet is safe and secure has become crucial, consequently information security has become one of the most important issues of human communities because of increased data transmission over social networks. **Digital Media Steganography: Principles, Algorithms, and Advances** covers fundamental theories and algorithms for practical design, while providing a comprehensive overview of the most advanced methodologies and modern techniques in the field of steganography. The topics covered present a collection of high-quality research works written in a simple manner by world-renowned leaders in the field dealing with specific research problems. It presents the state-of-the-art as well as the most recent trends in digital media steganography. - Covers fundamental theories and algorithms for practical design which form the basis of modern digital media steganography - Provides new theoretical breakthroughs and a

number of modern techniques in steganography - Presents the latest advances in digital media steganography such as using deep learning and artificial neural network as well as Quantum Steganography

Python Programming John Wiley & Sons

This work is on biometric data indexing for large-scale identification systems with a focus on different biometrics data indexing methods. It provides state-of-the-art coverage including different biometric traits, together with the pros and cons for each. Discussion of different multimodal fusion strategies are also included.

Java PHI Learning Pvt. Ltd.

Written by the founder of the field, this is a comprehensive and accessible introduction to structural DNA nanotechnology.

Algorithms Academic Press

This is a great book for Python Beginner and Advanced Learner which covers Basics to Advanced Python Programming where each topic is explained with the help of Illustrations and Examples. More than 450

solved programs of this book are tested in Python 3.4.3 for windows. The range of Python Topics covered makes this book unique which can be used as a self study material or for instructor assisted teaching. This books covers Python Syllabus of all major national and international universities. Also it includes frequently asked questions for interviews and examination which are provided at the end of each chapter.

Unimodal and Multimodal Biometric Data Indexing
OUP India

Formal Languages and Automata Theory deals with the mathematical abstraction model of computation and its relation to formal languages. This book is intended to expose students to the theoretical development of computer science. It also provides conceptual tools that practitioners use in computer engineering. An assortment of problems illustrative of each method is solved in all possible ways for the benefit of students. The book also presents challenging exercises designed to hone the analytical skills of students.

Data Structures

Through C in Depth

Cambridge University Press
The Deitels' groundbreaking How to Program series offers unparalleled breadth and depth of object-oriented programming concepts and intermediate-level topics for further study. The Seventh Edition has been extensively fine-tuned and is completely up-to-date with Sun Microsystems, Inc.'s latest Java release Java Standard Edition 6 ("Mustang") and several Java Enterprise Edition 5 topics. Contains an extensive OOD/UML 2 case study on developing an automated teller machine. Takes a new tools-based approach to Web application development that uses Netbeans 5.5 and Java Studio Creator 2 to create and consume Web Services. Features new AJAX-enabled, Web applications built with JavaServer Faces (JSF), Java Studio Creator 2 and the Java Blueprints AJAX Components. Includes new topics throughout, such as JDBC 4, SwingWorker for multithreaded GUIs, GroupLayout, Java Desktop Integration Components (JDIC), and much more. A valuable

reference for programmers and anyone interested in learning the Java programming language.

DATA STRUCTURES A PROGRAMMING APPROACH WITH C
Pearson UK

This updated text, now in its Third Edition, continues to provide the basic concepts of discrete mathematics and its applications at an appropriate level of rigour. The text teaches mathematical logic, discusses how to work with discrete structures, analyzes combinatorial approach to problem-solving and develops an ability to create and understand mathematical models and algorithms essentials for writing computer programs. Every concept introduced in the text is first explained from the point of view of mathematics, followed by its relation to Computer Science. In addition, it offers excellent coverage of graph theory, mathematical reasoning, foundational material on set theory, relations and their computer representation, supported by a number of worked-out examples and exercises to reinforce the students' skill. Primarily

intended for undergraduate students of Computer Science and Engineering, and Information Technology, this text will also be useful for undergraduate and postgraduate students of Computer Applications. New to this Edition Incorporates many new sections and subsections such as recurrence relations with constant coefficients, linear recurrence relations with and without constant coefficients, rules for counting and shorting, Peano axioms, graph connecting, graph scanning algorithm, lexicographic shorting, chains, antichains and order-isomorphism, complemented lattices, isomorphic order sets, cyclic groups, automorphism groups, Abelian groups, group homomorphism, subgroups, permutation groups, cosets, and quotient subgroups. Includes many new worked-out examples, definitions, theorems, exercises, and GATE level MCQs with answers.

The Indian National Bibliography KHANNA PUBLISHING HOUSE

This book is about the usage of Data Structures and Algorithms in computer programming.

Designing an efficient algorithm to solve a computer science problem is a skill of Computer programmer. This is the skill which tech companies like Google, Amazon, Microsoft, Adobe and many others are looking for in an interview. This book assumes that you are a JAVA language developer. You are not an expert in JAVA language, but you are well familiar with concepts of references, functions, lists and recursion. In the start of this book, we will be revising the JAVA language fundamentals. We will be looking into some of the problems in arrays and recursion too. Then in the coming chapter, we will be looking into complexity analysis. Then will look into the various data structures and their algorithms. We will be looking into a Linked List, Stack, Queue, Trees, Heap, Hash Table and Graphs. We will be looking into Sorting & Searching techniques. Then we will be looking into algorithm analysis, we will be looking into Brute Force algorithms, Greedy algorithms, Divide & Conquer algorithms, Dynamic Programming, Reduction, and

Backtracking. In the end, we will be looking into System Design, which will give a systematic approach for solving the design problems in an Interview.

Data Structures In C Oxford University Press, USA

Mr. Satya Sundar Samanta is an Honours in english literature studied at Ramnagar College under Vidyasagar University, W.B, India. He did M.A, & M.Phil in English literature from C.S.J.M University, U.P, India. Presently he is a Ph.D scholar in the Department of English, North Orissa University, Odisha, India. His research articles on Tennyson, J.M. Synge, Kamala Das, Aravind Adiga have already been published in various international journals. His book "Autobiographical Elements of John Keats" has been published by KY Publications, Guntur, A.P, India. His poems have been published in different magazines and in various groups in facebook. His first poetry book "Border Poems" has been published by INSC Publishers, Bangalore in 2021. He has presented research papers in different seminars. Formerly, he worked at

Maharaja Nandakumar College, Nandakumar, WB, India. Now the son of a too poor family is a faculty member of the Department of English, Ramnagar college, WB, India. His past life was filled with intense crisis, poverty and struggles. His boyhood was spent at a clay-built cottage at the village Sadi, WB, near Odisha border. From the early age this determined boy was forced to work to run the family and to continue his long-lasting education.

Programming Interviews Exposed PHI Learning Pvt. Ltd.

This well-organized book, now in its second edition, discusses the fundamentals of various data structures using C as the programming language. Beginning with the basics of C, the discussion moves on to describe Pointers, Arrays, Linked lists, Stacks, Queues, Trees, Heaps, Graphs, Files, Hashing, and so on that form the base of data structure. It builds up the concept of Pointers in a lucid manner with suitable examples, which forms the crux of Data Structures. Besides updated text and additional multiple choice questions, the new edition deals with various

classical problems such as 8-queens problem, towers of Hanoi, minesweeper, lift problem, tic-tac-toe and Knapsack problem, which will help students understand how the real-life problems can be solved by using data structures. The book exhaustively covers all important topics prescribed in the syllabi of Indian universities/institutes, including all the Technical Universities and NITs. Primarily intended as a text for the undergraduate students of Engineering (Computer Science/Information Technology) and postgraduate students of Computer Application (MCA) and Computer Science (M.Sc.), the book will also be of immense use to professionals engaged in the field of computer science and information technology.

Key Features

- Provides more than 160 complete programs for better understanding.
- Includes over 470 MCQs to cater to the syllabus needs of GATE and other competitive exams.
- Contains over 500 figures to explain various algorithms and concepts.
- Contains solved examples and programs for practice.
- Provides

companion CD containing additional programs for students' use.

MATLAB

PROGRAMMING South Western Educational Publishing Data Structures Using C++ is designed to serve as a textbook for undergraduate engineering students of Computer Science and Information Technology as well as postgraduate students of Computer Applications. The book aims to provide a comprehensive coverage of the concepts of Data Structures using C++.

C & Data Structures PHI Learning Pvt. Ltd.

Learn the fundamentals of Data Structures through C++

DESCRIPTION There are two major hurdles faced by anybody trying to learn Data Structures : Most books attempt to teach it using algorithms rather than complete working programs. A lot is left to the imagination of the reader, instead of explaining it in detail. This is a different Data Structures book. It uses C++ language to teach Data Structures. Secondly, it goes far beyond merely explaining how Stacks, Queues and Linked Lists work. The readers can actually experience (rather than

imagine) sorting of an array, traversing of a doubly-linked list, construction of a binary tree, etc. through carefully crafted animations that depict these processes. All these animations are available on the Downloadable DVD. In addition, it contains numerous carefully-crafted figures, working programs and real-world scenarios where different data structures are used. This would help you understand the complicated operations being performed on different data structures easily. Add to that the customary lucid style of Yashavant Kanetkar and you have a perfect Data Structures book in your hands.

KEY FEATURES

- Strengthens the foundations, as a detailed explanation of concepts are given
- Focuses on how to think logically to solve a problem
- Algorithms used in the book are well explained and illustrated step by step
- Help students in understanding how data structures are implemented in programs

WHAT WILL YOU LEARN

- Analysis of Algorithms, Arrays, Linked Lists, Sparse Matrices
- Stacks, Queues, Trees,

Graphs, Searching and Sorting

WHO THIS BOOK IS FOR Students, Programmers, researchers, and software developers who wish to learn the basics of Data structures.

Table of Contents

1. Analysis of Algorithms
2. Arrays
3. Linked Lists
4. Sparse Matrices
5. Stacks
6. Queues
7. Trees
8. Graphs
9. Searching and Sorting

Data Structures using C++ John Wiley & Sons

"Coding Interview Questions" is a book that presents interview questions in simple and straightforward manner with a clear-cut explanation. This book will provide an introduction to the basics. It comes handy as an interview and exam guide for computer scientists. Programming puzzles for interviews

Campus Preparation

Degree/Masters Course Preparation

Big job hunters: Apple, Microsoft, Google, Amazon, Yahoo, Flip Kart, Adobe, IBM Labs, Citrix, Mentor Graphics, NetApp, Oracle, Webaroo, De-Shaw, Success Factors, Face book, McAfee and many more

Reference Manual for working people

Topics Covered: Programming Basics

Introduction

Recursion and Backtracking

Linked Lists

Stacks

Queues

Trees

Priority Queue and Heaps

Graph Algorithms

Searching

Selection Algorithms [Medians]

Symbol Tables

Hashing

String Algorithms

Design Techniques

Greedy Algorithms

Divide and Conquer Algorithms

Dynamic Programming

Complexity

Classes

Design Interview Questions

Operating System Concepts

Computer Networking Basics

Database Concepts

Brain Teasers

NonTechnical Help

Miscellaneous Concepts

Note: If you already have "Data Structures and Algorithms Made Easy" no need to buy this.

Digital Design BPB Publications

Discover how algorithms shape and impact our digital world

All data, big or small, starts with algorithms. Algorithms are mathematical equations that determine what we see—based on our likes, dislikes, queries, views, interests, relationships, and more—online. They are, in a sense, the electronic gatekeepers to our digital, as well as our physical, world. This book demystifies the subject of algorithms so you can understand how important they are business and

scientific decision making. Algorithms for Dummies is a clear and concise primer for everyday people who are interested in algorithms and how they impact our digital lives. Based on the fact that we already live in a world where algorithms are behind most of the technology we use, this book offers eye-opening information on the pervasiveness and importance of this mathematical science—how it plays out in our everyday digestion of news and entertainment, as well as in its influence on our social interactions and consumerism. Readers even learn how to program an algorithm using Python! Become well-versed in the major areas comprising algorithms. Examine the incredible history behind algorithms. Get familiar with real-world applications of problem-solving procedures. Experience hands-on development of an algorithm from start to finish with Python. If you have a nagging curiosity about why an ad for that hammock you checked out on Amazon is appearing on your Facebook page, you'll find Algorithm for Dummies to

be an enlightening introduction to this integral realm of math, science, and business.

High Performance Computing and Networking Walter de Gruyter GmbH & Co KG This self-readable and student-friendly text provides a strong programming foundation to solve problems with C language through its well-supported structured programming methodology, rich set of operators and data types. It is designed to help students build efficient and compact programs. The book, now in its second edition, is an extended version of Dr. M.T. Somashekara's previous book titled as Programming in C. In addition to two newly introduced chapters on 'Graphics using C' and 'Searching and Sorting', all other chapters of the previous edition have been thoroughly revised and updated. The usage of pseudocodes as a problem-solving tool has been explored throughout the book before providing C programming solutions for the problems, wherever necessary. This book comes with an increased number of examples, programs, review questions,

programming exercises and interview questions in each chapter. Appendices, glossary, MCQs with answers and solutions to interview questions are given at the end of the book. The book is eminently suitable for students of Computer Science, Computer Applications, and Information Technology at both undergraduate and postgraduate levels. Assuming no previous knowledge of programming techniques, this book is appropriate for all those students who wish to master the C language as a problem-solving tool for application in their respective disciplines. It even caters to the needs of beginners in computer programming.

KEY FEATURES

- Introduction to problem-solving tools like algorithms, flow charts and pseudocodes
- Systematic approach to teaching C with simple explanation of each concept
- Expanded coverage of arrays, structures, pointers and files
- Complete explanation of working of each program with emphasis on the core segment of the program, supported by a large number of solved programs and

programming exercises in each chapter NEW TO THE SECOND EDITION • Points-wise summary at the end of each chapter • MCQs with Answers • Interview Questions with Solutions • Pseudocodes for all the problems solved using programs • Two new chapters on 'Graphics using C' and 'Searching and Sorting' • Additional review questions and programming exercises

FUNDAMENTALS OF DISCRETE MATHEMATICAL STRUCTURES PHI Learning Pvt. Ltd.
Divided into three separate sections, C &

Data Structures covers C programming, as well as the implementation of data structures and an analysis of advanced data structure problems. Beginning with the basic concepts of the C language (including the operators, control structures, and functions), the book progresses to show these concepts through practical application with data structures such as linked lists and trees, and concludes with the integration of C programs and advanced data structure problem-solving.

The book covers a vast range of data structures and programming issues, such as syntactic and semantic aspects of C, all control statements in C, concepts of function, macro, files and pointers with examples, graphs, arrays, searching and sorting techniques, stacks and queues, files, and preprocessing. C & Data Structures provides a comprehensive guide to all the data types in C with internal implementation, while providing examples to demonstrate their behavior.

Best Sellers - Books :

- [It Starts With Us: A Novel \(2\) \(it Ends With Us\)](#)
- [America's Cultural Revolution: How The Radical Left Conquered Everything](#)
- [Our Class Is A Family \(our Class Is A Family & Our School Is A Family\)](#)
- [8 Rules Of Love: How To Find It, Keep It, And Let It Go](#)
- [A Soul Of Ash And Blood: A Blood And Ash Novel \(blood And Ash Series\) By Jennifer L. Armentrout](#)
- [Twisted Games \(twisted, 2\)](#)
- [The Summer I Turned Pretty \(summer I Turned Pretty, The\) By Jenny Han](#)
- [The Five-star Weekend](#)
- [Fahrenheit 451 By Ray Bradbury](#)
- [The Psychology Of Money: Timeless Lessons On Wealth, Greed, And Happiness By Morgan Housel](#)