



Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition

By Narasimha Karumanchi

Download now

Read Online 

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi

Table of Contents: goo.gl/JFMgiU

Sample Chapter: goo.gl/n2Hk4i

Found Issue? goo.gl/forms/4Gt72YO81I

Videos: goo.gl/BcHq74

"Data Structures And Algorithms Made Easy: Data Structures 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 scientists. It can be used as a reference manual by those readers in the computer science industry. This book serves as guide to prepare for interviews, exams, and campus work. In short, this book offers solutions to various complex data structures and algorithmic problems.

Topics Covered:

1. Introduction
2. Recursion and Backtracking
3. Linked Lists
4. Stacks
5. Queues
6. Trees
7. Priority Queue and Heaps
8. Disjoint Sets ADT
9. Graph Algorithms
10. Sorting
11. Searching
12. Selection Algorithms [Medians]
13. Symbol Tables
14. Hashing
15. String Algorithms

16. Algorithms Design Techniques
17. Greedy Algorithms
18. Divide and Conquer Algorithms
19. Dynamic Programming
20. Complexity Classes
21. Miscellaneous Concepts

 [Download Data Structures and Algorithms Made Easy: Data Str ...pdf](#)

 [Read Online Data Structures and Algorithms Made Easy: Data S ...pdf](#)

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition

By Narasimha Karumanchi

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition

By Narasimha Karumanchi

Table of Contents: goo.gl/JFMgiU

Sample Chapter: goo.gl/n2Hk4i

Found Issue? goo.gl/forms/4Gt72YO81I

Videos: goo.gl/BcHq74

"Data Structures And Algorithms Made Easy: Data Structures 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 scientists. It can be used as a reference manual by those readers in the computer science industry. This book serves as guide to prepare for interviews, exams, and campus work. In short, this book offers solutions to various complex data structures and algorithmic problems.

Topics Covered:

1. Introduction
2. Recursion and Backtracking
3. Linked Lists
4. Stacks
5. Queues
6. Trees
7. Priority Queue and Heaps
8. Disjoint Sets ADT
9. Graph Algorithms
10. Sorting
11. Searching
12. Selection Algorithms [Medians]
13. Symbol Tables
14. Hashing
15. String Algorithms
16. Algorithms Design Techniques
17. Greedy Algorithms
18. Divide and Conquer Algorithms
19. Dynamic Programming
20. Complexity Classes
21. Miscellaneous Concepts

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition
By Narasimha Karumanchi Bibliography

- Rank: #73447 in Books
- Brand: Ingramcontent
- Published on: 2016-08-28
- Format: International Edition
- Original language: English
- Dimensions: 11.00" h x .98" w x 8.50" l,
- Binding: Paperback
- 434 pages

 [Download Data Structures and Algorithms Made Easy: Data Str ...pdf](#)

 [Read Online Data Structures and Algorithms Made Easy: Data S ...pdf](#)

Download and Read Free Online Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi

Editorial Review

Review

Reviews: goo.gl/uxjzrr

I use this book for teaching "data structure and algorithm" course for freshman undergraduate students in a university. The following review is based on my experience of using the book as a textbook for the course.

After teaching the course for one semester, I started to look for a textbook that could better suit my need than a conventional data structure textbook, with the following requirements:

1. There should be lots of code examples for the students to read and learn how to implement basic data structures.
2. The text in the book should be short and precise. As English is not our primary language, students are sometimes afraid of reading very long and detailed text in a textbook, and in that case they just avoid reading the textbook at all.
3. The code examples should be in C, as they have not yet learned other programming languages such as java or C++.

After looking through a couple of similar books on amazon.com as well as in local computer bookstores, this book is the one that I selected for my course in the following years and it satisfies all these requirements. A few things that I like about this book:

1. Lots of figures in the book, showing how the data structure is modified and updated in a step-by-step manner. This is extremely important to a beginner - learn by examples. Visualization of a data structure is always easier to understand than the text.
2. The problem section after each chapter listed lots of relevant questions **with solutions (code included)**. Though that means I cannot just pick the problems in the textbook as homework assignments to the students, I do believe that this would enable the students to think more about how they would utilize the data structure they just learned, and see if their thoughts match with the solution.
3. Many problems in the problem section in each chapter take an approach that it develops the solution from the most naïve one, then a few intermediate ones, then finally the best available solution. This is one of the features that I like the most about this book. Students can gain a lot by going through this process.

Overall, I would highly recommend this book to students who just started to learn about data structure and algorithm or programming in general. This book is a good supplement to a conventional data structure textbook, as it offers many good code examples and selections of relevant problems **with solutions**. There is no deep analysis or detailed proof in this book, which is not what this book is for (for example, as a textbook to teach algorithm and complexity analysis), and what you would be able to find in a conventional data structure textbook. The book could also be good for a professional who just want a quick review of important data structure concepts and implementations. **-Prof, Hsin Mu Tsai**

Reviews: goo.gl/uxjzrr

There is no fluff in this book, and it makes good use of all the trees that went into the making and printing of the pages of this book. If you want to practice solving interview type programming problems, that's what you will get here. No wasted pages. --Ty Sid, Amazon Reviewer

From the Author

Table of Contents: goo.gl/JFMgiU

Sample Chapter: goo.gl/n2Hk4i

Found Issue? goo.gl/forms/4Gt72YO81I

Videos: goo.gl/BcHq74

About the Author

Narasimha Karumanchi is the founder of CareerMonk Publications and author of few books on data structures, algorithms, and design patterns. He was a software developer who has been both interviewer and interviewee over his long career. Most recently he worked for Amazon Corporation, IBM Software Labs, Mentor Graphics, and Microsoft. **Narasimha holds** an M.Tech. in computer science from IIT, Bombay, and B.Tech. from JNT university. He authored the following books which got translated to international languages: Chinese, Japanese, Korea and Taiwan. Also, around 58 international universities were using these books as reference for academic courses.

- Data Structures and Algorithms Made Easy
- IT Interview Questions
- Data Structures and Algorithms for GATE
- Data Structures and Algorithms Made Easy in Java
- Coding Interview Questions
- Peeling Design Patterns
- Elements of Computer Networking
- Data Structures and Algorithmic Thinking with Python

Users Review

From reader reviews:

Emily Carey:

In this 21st centuries, people become competitive in each way. By being competitive today, people have do something to make these individuals survives, being in the middle of often the crowded place and notice through surrounding. One thing that often many people have underestimated it for a while is reading. Yeah, by reading a book your ability to survive enhance then having chance to stay than other is high. For you who want to start reading the book, we give you this Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition book as nice and daily reading reserve. Why, because this book is greater than just a book.

Martin Solomon:

Do you one among people who can't read pleasant if the sentence chained from the straightway, hold on guys this specific aren't like that. This Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition book is readable simply by you who hate those perfect word style. You

will find the data here are arrange for enjoyable reading experience without leaving even decrease the knowledge that want to deliver to you. The writer regarding Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition content conveys objective easily to understand by lots of people. The printed and e-book are not different in the content but it just different available as it. So , do you still thinking Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition is not loveable to be your top record reading book?

Donald Foster:

Are you kind of active person, only have 10 or even 15 minute in your day to upgrading your mind ability or thinking skill even analytical thinking? Then you have problem with the book in comparison with can satisfy your short period of time to read it because this time you only find book that need more time to be learn. Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition can be your answer mainly because it can be read by you actually who have those short time problems.

Rocky Melvin:

A number of people said that they feel bored when they reading a e-book. They are directly felt this when they get a half regions of the book. You can choose typically the book Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition to make your own reading is interesting. Your current skill of reading ability is developing when you like reading. Try to choose easy book to make you enjoy to study it and mingle the idea about book and examining especially. It is to be very first opinion for you to like to start a book and read it. Beside that the book Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition can to be your new friend when you're feel alone and confuse with the information must you're doing of their time.

Download and Read Online Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi #9IENW2O0DK7

Read Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi for online ebook

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi books to read online.

Online Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi ebook PDF download

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi Doc

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi MobiPocket

Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles, Fifth Edition By Narasimha Karumanchi EPub