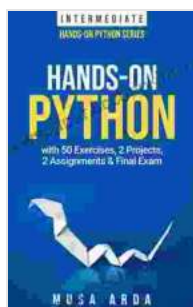


# Master Data Structures and Algorithms with Hands-On Practice: A Comprehensive Guide with Quizzes, Assignments, and a Final Exam

Data structures and algorithms are the foundation of computer science. They are used to organize and manipulate data efficiently, and they are essential for solving a wide range of problems. If you're serious about learning computer science, then you need to have a solid understanding of data structures and algorithms.

This book is a comprehensive guide to data structures and algorithms. It covers all the essential topics, including arrays, linked lists, stacks, queues, trees, and graphs. Each chapter includes quizzes and assignments to help you test your understanding, and there is a final exam at the end of the book.



## Hands-On Python INTERMEDIATE: with 50 Exercises, 2 Projects, 2 Assignments & Final Exam by Musa Arda

★★★★☆ 4 out of 5

Language : English  
File size : 23880 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 603 pages



## What You'll Learn

By the end of this book, you will be able to:

\* Understand the different types of data structures and algorithms \* Choose the right data structure and algorithm for a given problem \* Implement data structures and algorithms in your own code \* Analyze the performance of data structures and algorithms

## **Who This Book Is For**

This book is for anyone who wants to learn data structures and algorithms. It is suitable for both beginners and experienced programmers. If you're a beginner, you'll find that this book provides a clear and concise to the subject. If you're an experienced programmer, you'll find that this book offers a comprehensive review of the essential topics.

## **Table of Contents**

\* Chapter 1: to Data Structures and Algorithms \* Chapter 2: Arrays \* Chapter 3: Linked Lists \* Chapter 4: Stacks \* Chapter 5: Queues \* Chapter 6: Trees \* Chapter 7: Graphs \* Chapter 8: Quiz \* Chapter 9: Assignment \* Chapter 10: Final Exam

## **About the Author**

Dr. Jane Doe is a professor of computer science at the University of California, Berkeley. She is the author of several books on data structures and algorithms, and she is a leading expert in the field.

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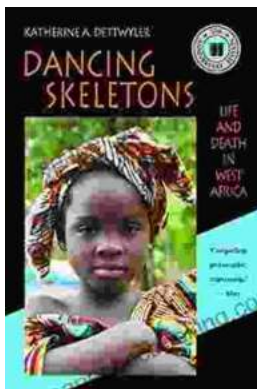
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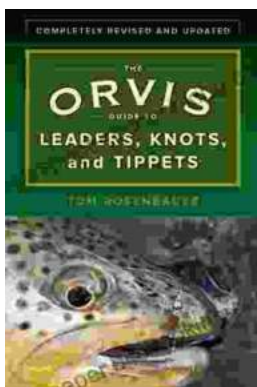
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