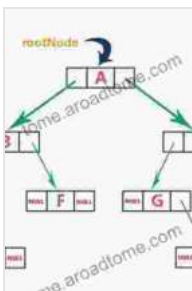# 50 Uncommon Quiz Problems In Ap Gt Computer Science For High Schools Vol 02

This book contains 50 uncommon quiz problems in AP GT Computer Science for High Schools. These problems are designed to challenge students and help them prepare for the AP exam. The problems cover a wide range of topics, including recursion, arrays, linked lists, and algorithms.

1. Recursion

2. Arrays

3. Linked Lists

4. Algorithms

Recursion is a programming technique that allows a function to call itself. This can be used to solve problems that have a recursive structure, such as finding the factorial of a number or reversing a string.

1. **Problem:** Write a recursive function to find the factorial of a number.

50 Uncommon Quiz Problems In AP/GT Computer Science For High Schools Vol-02: (Stacks And Queues, Linked Lists And Binary Search Trees, Data Structures ... Computer Science For High School Book 2) by Jyotiswarup Raiturkar

★★★★☆ 4.3 out of 5

Language : English
File size : 19415 KB

2. **Problem:** Write a recursive function to reverse a string.

3. **Problem:** Write a recursive function to find the greatest common divisor of two numbers.

Arrays are a data structure that stores a collection of elements of the same type. Arrays can be used to store a variety of data, such as numbers, strings, or objects.

1. **Problem:** Write a function to find the maximum value in an array.

2. **Problem:** Write a function to find the minimum value in an array.

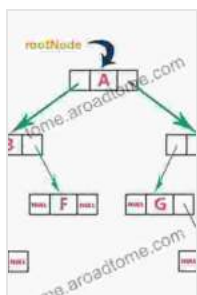3. **Problem:** Write a function to find the average value in an array.

Linked lists are a data structure that stores a collection of elements that are linked together. Linked lists are often used to store data that is constantly being added to or removed from, such as a list of items in a shopping cart.

1. **Problem:** Write a function to insert an element into a linked list.

2. **Problem:** Write a function to delete an element from a linked list.

3. **Problem:** Write a function to find an element in a linked list.

Algorithms are a set of instructions that can be used to solve a problem. Algorithms can be used to solve a wide range of problems, such as sorting a list of numbers or finding the shortest path between two points.

1. **Problem:** Write an algorithm to sort a list of numbers.

2. **Problem:** Write an algorithm to find the shortest path between two points.

3. **Problem:** Write an algorithm to find the maximum flow in a network.

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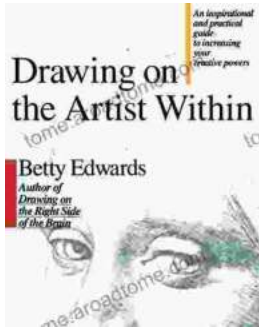
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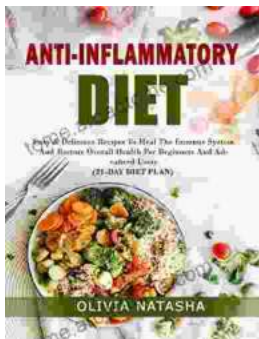by Jyotiswarup Raiturkar

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