

Top 50 Dynamic Programming Coding Problems for Interviews - GeeksforGeeks

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Courses Tutorials Practice Jobs DSA Tutorial Interview Questions Quizzes Must Do Advanced DSA System Design Aptitude Puzzles Interview Corner DSA Python Technical Scripter 2026 Explore DSA Fundamentals Logic Building Problems Analysis of Algorithms Data Structures Array Data Structure String in Data Structure Hashing in Data Structure Linked List Data Structure Stack Data Structure Queue Data Structure Tree Data Structure Graph Data Structure Trie Data Structure Algorithms Searching Algorithms Sorting Algorithms Introduction to Recursion Greedy Algorithms Tutorial Graph Algorithms Dynamic Programming or DP Bitwise Algorithms Advanced Segment Tree Binary Indexed Tree or Fenwick Tree Square Root (Sqrt) Decomposition Algorithm Binary Lifting Geometry Interview Preparation Interview Corner GfG160 Practice Problem GeeksforGeeks Practice - Leading Online Coding Platform Problem of The Day - Develop the Habit of Coding DSA Course 90% Refund Top 50 Dynamic Programming Coding Problems for Interviews Last Updated : 23 Jul, 2025 Here is the collection of the Top 50 list of frequently asked interview questions on Dynamic Programming. Problems in this Article are divided into three Levels so that readers can practice according to the difficulty level step by step. Easy Problems Nth Catalan Number Minimum Operations Minimum steps to delete using palindrome substrings Minimum number of Coins Maximum Product Cutting Ways to Cover a Distance Minimum number of deletions and insertions to transform Minimum sum subsequence such that one of every four consecutive is picked Medium Problems Subset Sum Problem Longest Common Subsequence Longest Increasing Subsequence Edit Distance Longest Path In Matrix Optimal Strategy for a Game 0-1 Knapsack Problem Shortest Common Supersequence Partition problem Rod Cutting Coin change problem Word Break Problem Dice Throw Problem Box Stacking Egg Dropping Puzzle Max length chain Longest Common Substring Interleaved strings Maximum sum increasing subsequence Minimum number of jumps Count subsequences of type a^i, b^j, c^k Get Minimum Squares Nth Fibonacci Number Longest Palindromic Substring Total Decoding Messages Unique BST's Player with max score Form a palindrome Word Wrap Problem Count Palindromic Subsequences Minimum time to finish tasks without skipping two consecutive Hard Problems Minimum Partition Boolean Parenthesization Problem Matrix Chain Multiplication Longest Zig-Zag Sub Sequence Maximum Profit Maximum Path Sum in Matrix The painter's partition problem Palindrome Partitioning Array Partition Maximum difference of zeros and ones in binary string Count digit groupings of a number Related Articles Top 50 Array Coding Problems for Interviews Top 50 String Coding Problems for Interviews Top 50 Tree Coding Problems for Interviews Top 50 Graph Coding Problems for Interviews Top 50 Sorting Coding Problems for Interviews Top 50 Searching Coding Problems for Interviews Top 50 Binary Search Tree Coding Problems for Interviews Comment Article Tags: Article Tags: Dynamic Programming DSA GFG Sheets