

Top 100 Questions of Codeforces for Placements

1. Arrays

- Cutting Ribbon
- Cheap Travel
- Dreamoon and WiFi
- Cards
- Three Pairwise Maximums

2. Linked Lists

- Binary String Reconstruction
- Arpa's Hard Exam and Mehrdad's Naive Cheat
- Printing Your Company Name
- Hilbert's Hotel
- Instant View of Big Bang

3. Stacks and Queues

- Two Bags of Potatoes
- Sort the Array
- Xenia and Ringroad
- Social Distance
- Buying Torches

4. Trees

- George and Tree
- Fafa and the Gates
- Centroid Decomposition
- Tree Queries
- Leaf Removal

5. Graphs

- Beautiful Graph
- Bipartite Graph Check
- Maximum Bipartite Matching
- Unreachable Nodes
- Shortest Path in Graph

6. Heaps

- Heap Operations
- Merging Heaps
- Heap Operations for Maximum
- Median Heaps
- Heap-based Task Scheduling

7. Hashing

- Hashmap and Strings
- String Compression with Hashing
- Hash Functions
- Hash Collisions
- Hash-Based Encryption

8. Dynamic Programming

- Knapsack Problem
- Longest Common Subsequence
- Fibonacci DP
- Minimum Path Sum
- Longest Increasing Subsequence

9. Segment Trees

- Range Minimum Query
- Sum Over Range
- Max Query with Segment Trees
- Range Updates and Queries
- K-th Smallest Element

10. Binary Indexed Trees (Fenwick Tree)

- Counting Inversions
- Range Sum Queries
- Update and Query BIT

- Binary Indexed Tree for Max Query

11. Trie

- Implement Trie
- Search Prefix in Trie
- Trie for Longest Prefix
- Optimal Trie Data Structure
- Trie-based String Matching

12. Disjoint Set Union (DSU)

- Union-Find Basics
- Optimized DSU with Path Compression
- Cycle Detection using DSU
- DSU for Connected Components
- DSU with Size Balancing

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