

10-Day Full Stack + DSA Coding Challenge Roadmap

Day 1: Arrays & Hashing

LeetCode Problems:

- Two Sum
- Contains Duplicate
- Group Anagrams
- Product of Array Except Self
- Top K Frequent Elements

HackerRank Java Topics:

- Java Stdin and Stdout I
- Java If-Else
- Java Loops I & II

CodeChef Python Problems:

- FLOW001 - Add Two Numbers
- START01 - Number Mirror
- INTEST - Enormous Input Test

Day 2: Two Pointers

LeetCode Problems:

- Valid Palindrome
- Two Sum II
- 3Sum
- Container With Most Water

HackerRank Java Topics:

- Java Output Formatting
- Java Currency Formatter
- Java Strings Introduction

CodeChef Python Problems:

- FLOW002 - Remainder
- HS08TEST - ATM

Day 3: Sliding Window

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LeetCode Problems:

- Best Time to Buy and Sell Stock
- Longest Substring Without Repeating Characters
- Maximum Average Subarray I
- Minimum Size Subarray Sum

HackerRank Java Topics:

- Java Substring Comparisons
- Java Anagrams
- Java Static Initializer Block

CodeChef Python Problems:

- CHOPRT - Chef and Operators
- PRB01 - Primality Test

Day 4: Stack

LeetCode Problems:

- Valid Parentheses
- Min Stack
- Daily Temperatures
- Evaluate Reverse Polish Notation

HackerRank Java Topics:

- Java Stack
- Java Map
- Java List

CodeChef Python Problems:

- FSQRT - Finding Square Roots
- FLOW006 - Sum of Digits

Day 5: Binary Search

LeetCode Problems:

- Binary Search
- Search in Rotated Sorted Array

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- Find Minimum in Rotated Sorted Array
- Koko Eating Bananas
- Median of Two Sorted Arrays (optional)

HackerRank Java Topics:

- Java 1D Array
- Java 2D Array

CodeChef Python Problems:

- TSORT - Turbo Sort
- FCTRL - Factorial Zeros

Day 6: Trees

LeetCode Problems:

- Invert Binary Tree
- Maximum Depth of Binary Tree
- Diameter of Binary Tree
- Validate Binary Search Tree
- Lowest Common Ancestor of BST

HackerRank Java Topics:

- Java Inheritance I & II
- Java Abstract Class

CodeChef Python Problems:

- FLOW007 - Reverse The Number
- GDBS - Good Binary String

Day 7: Linked List

LeetCode Problems:

- Reverse Linked List
- Merge Two Sorted Lists
- Linked List Cycle
- Remove N-th Node From End

HackerRank Java Topics:

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- Java Method Overriding
- Java Interface

CodeChef Python Problems:

- FCTRL2 - Small Factorials
- RESQ - Chef and Easy Problem

Day 8: Heap / Priority Queue

LeetCode Problems:

- Kth Largest Element in Array
- Merge K Sorted Lists
- Top K Frequent Elements
- Task Scheduler

HackerRank Java Topics:

- Java PriorityQueue
- Java Deque

CodeChef Python Problems:

- CHFICRM - Chef and Ice Cream
- LAPIN - Lapindromes

Day 9: Graphs (BFS/DFS)

LeetCode Problems:

- Number of Islands
- Clone Graph
- Course Schedule
- Graph Valid Tree

HackerRank Java Topics:

- Java BitSet
- Java Generics

CodeChef Python Problems:

- REVERSE - Reverse The Number
- CHEFSTLT - Chef and String

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Day 10: Dynamic Programming

LeetCode Problems:

- Climbing Stairs
- House Robber
- Coin Change
- Longest Increasing Subsequence

HackerRank Java Topics:

- Java Regex
- Java Regex 2 - Duplicate Words

CodeChef Python Problems:

- SAVWATER - Save Water Save Life
- CHEFCHR - Chef and Characters