

Here's a **30-Day Plan** to build your **programming skills, DSA, and problem-solving ability** for coding interviews. The focus is on **Java** (since you're preparing for a Java test), but if you want **Python**, let me know!

🔥 30-Day Coding Interview Preparation Plan

🎯 Goals

- ✓ Strengthen **Java** programming skills
 - ✓ Build **Data Structures & Algorithms (DSA)** foundation
 - ✓ Solve **100+ problems** on LeetCode
 - ✓ Improve **problem-solving speed**
 - ✓ Gain **confidence for interviews**
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📅 Week 1: Java Basics & Easy DSA (Warm-up)

🔹 Day 1-2: Java Fundamentals

- Learn **variables, loops, functions, OOP basics**
- Practice on **HackerRank Java Practice**
 - ✦ [Java Basics - GeeksforGeeks](#)
 - ✦ [HackerRank Java](#)

🔹 Day 3: Arrays & Strings (LeetCode Easy)

- Solve **5 problems** on Arrays & Strings
 - ✦ [NeetCode Array Playlist](#)
 - ✦ [LeetCode Arrays Problems](#)

🔹 Day 4: Hashmaps & Sets

- Solve **5 problems** on Hashmaps
 - ✦ [NeetCode Hashmap Playlist](#)

🔹 Day 5: Recursion & Backtracking (Basic)

- Learn **Recursion basics**

- Solve 2-3 recursion problems

✦ [Recursion - GFG](#)

✦ Day 6: Linked List (Basic & Medium Problems)

- Solve 5 Linked List problems

✦ [LeetCode Linked List Problems](#)

✦ Day 7: Review & Contest Day

- Solve 2-3 problems from past days
- Join a contest on Codeforces

Week 2: Intermediate DSA & Time Complexity

✦ Day 8: Stacks & Queues

✦ [LeetCode Stacks & Queues](#)

✦ [NeetCode Stacks & Queues](#)

✦ Day 9-10: Trees (Binary Tree + BST)

✦ [LeetCode Trees](#)

✦ [Binary Trees - NeetCode](#)

✦ Day 11: Graph Basics (DFS & BFS)

✦ [Graph Algorithms - GFG](#)

✦ [Graph Traversals - NeetCode](#)

✦ Day 12: Sorting Algorithms

✦ [Sorting - GFG](#)

✦ Day 13: Binary Search & Searching Algorithms

✦ [Binary Search - LeetCode](#)

✦ Day 14: Review & Mock Interview

✦ Join a mock interview on [Pramp](#)

Week 3: Dynamic Programming (DP) & Advanced Topics

◆ Day 15: Introduction to Dynamic Programming (DP)

★ [DP Concepts - Striver](#)

◆ Day 16-18: Solve 8+ DP problems (Easy & Medium)

★ [LeetCode DP Questions](#)

◆ Day 19: Tries (Prefix Trees)

★ [Trie - NeetCode](#)

◆ Day 20: Sliding Window & Two Pointers

★ [Sliding Window - LeetCode](#)

◆ Day 21: Codeforces Contest & Review

★ Solve problems in a timed manner

Week 4: Mock Interviews & System Design

◆ Day 22-23: Advanced Graphs (Dijkstra, Floyd-Warshall, MST)

★ [Graph Advanced - GFG](#)

◆ Day 24: Problem Solving Under Time Pressure

★ Solve 5 LeetCode Medium & Hard problems in 2 hours

◆ Day 25-26: System Design Basics

★ [Grokking System Design](#)

◆ Day 27: Mock Interviews (Interviewing.io)

★ [Mock Interviews - Interviewing.io](#)

◆ Day 28-30: Final Revision & Practice Interviews

★ Solve problems based on past mistakes

★ Join a contest on LeetCode/Codeforces

Summary: What You'll Achieve in 30 Days

- ✓ Learn Java & DSA from scratch
 - ✓ Solve 100+ LeetCode problems
 - ✓ Build speed & confidence for coding interviews
 - ✓ Get interview-ready with mock tests & contests
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◆ Next Steps After 30 Days

- Continue solving **1-2 problems daily** on LeetCode
 - Start applying for **Software Engineer** roles
 - Practice **mock interviews every week**
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🔥 Are you ready to start today? Let me know if you need changes! ✍️