# 45-Day LeetCode Practice Plan for Java DSA

**Days 1–4:** Setup & Java Basics (no LeetCode)
**Days 5–6:** Arrays & Basic Sorting/Search: Two Sum (1), Merge Sorted Array (88), Search Insert Positio
**Days 7–8:** Linked List: Reverse Linked List (206), Merge Two Sorted Lists (21), Remove Duplicates fro
**Days 9–10:** Stack & Queue: Valid Parentheses (20), Implement Queue using Stacks (232), Implement St
**Day 11:** Hash Table: Two Sum (1), Contains Duplicate (217), Ransom Note (383)
**Days 12–13:** Trees & BST: Binary Tree Inorder Traversal (94), Same Tree (100), Validate BST (98)
**Day 14:** Heap / Priority Queue: Kth Largest Elem in a Stream (703), Kth Largest Elem in Array (215),
**Days 15–17:** Sorting Algorithms: Sort an Array (912), Find Two Non-overlapping Sub-arrays Each With Ta
**Day 18:** Binary Search: Binary Search (704), Search in Rotated Sorted Array (33), Search a 2D Matri
**Days 19–20:** Recursion & Memoization: Fibonacci Number (509), Climbing Stairs (70), Integer Break (343)
**Days 21–23:** Backtracking: Permutations (46), Permutations II (47), Combinations (77), Subsets (78), N-Q
**Days 24–26:** Dynamic Programming: House Robber (198), Coin Change (322), Longest Common Subseq
**Days 27–28:** Greedy Algorithms: Non-overlapping Intervals (435), Min Arrows to Burst Balloons (452), Jum
**Days 29–30:** Graph Basics: Number of Islands (200), Clone Graph (133), The Maze (490)
**Days 31–34:** Advanced Graph: Cheapest Flights Within K Stops (787), Network Delay Time (743), Course
**Days 35–40:** Mixed Practice & Mocks: Palindrome Linked List (234), Longest Continuous Increasing Subs
**Days 41–45:** Review & System Design: Re-solve top 5 problems, design LRU Cache/Rate Limiter, STAR b