🚀 Day 1–3: Arrays & Searching Roadmap",

📌 Lecture Range: Lecture 5 → Lecture 12

🎞 Concepts Covered:

- Arrays in Java (1D, basics)

- Common pitfalls (index out of bounds, nulls)

- Linear Search

- Binary Search (sorted arrays, order-agnostic, rotated arrays)

- Sorting algorithms (Bubble, Selection, Insertion)

- Basic problem-solving with arrays

💻 Practice Problems

⬧ Easy:

- LeetCode 1 – Two Sum

- LeetCode 35 – Search Insert Position

- LeetCode 136 – Single Number

- LeetCode 66 – Plus One

- LeetCode 268 – Missing Number

⬧ Medium:

- LeetCode 33 – Search in Rotated Sorted Array

- LeetCode 153 – Find Minimum in Rotated Sorted Array

- LeetCode 238 – Product of Array Except Self

- LeetCode 560 – Subarray Sum Equals K

- Codeforces 706B – Interesting drink

⬙ Hard:

- LeetCode 4 – Median of Two Sorted Arrays

- LeetCode 41 – First Missing Positive

- LeetCode 239 – Sliding Window Maximum

- Codeforces 1367C – Social Distance

⚡ Extra Note: Arrays are the foundation, so don't rush. Focus especially on binary search variations → they'll reappear later in Strings, Matrix, DP, and even Graphs.

🚀 Day 4–5: Recursion & Backtracking

📌 Lectures: 13 → 20

📝 Concepts Covered: Factorial, Fibonacci, subsets, permutations, maze problems, N-Queens, Sudoku.

💻 Problems:

- Easy: LeetCode 509, 344

- Medium: LeetCode 46, 78, 39

- Hard: LeetCode 51, 37, Codeforces 1385C"""),

🚀 Day 6: Linked List

📌 Lectures: 21 → 25

🧑‍🏫 Concepts: Singly, Doubly, Circular LL, cycle detection, reversal.

💻 Problems:

- Easy: LeetCode 141, 206

- Medium: LeetCode 19, 92

- Hard: LeetCode 25

🚀 Day 7: Stacks & Queues

📌 Lectures: 26 → 30

💻 Problems:

- Easy: LeetCode 20

- Medium: LeetCode 155, 739, 622

- Hard: LeetCode 84

🚀 Day 8: Hashing & Maps

📌 Lectures: 31 → 33

💻 Problems:

- Easy: LeetCode 387

- Medium: LeetCode 560, 49

- Hard: LeetCode 76

🚀 Day 9–10: Trees

📌 Lectures: 34 → 40

💻 Problems:

- Easy: LeetCode 94, 101

- Medium: LeetCode 102, 236, 543

- Hard: LeetCode 124, Codeforces 580C"""),

🚀 Day 11–12: Graphs

📌 Lectures: 41 → 47

💻 Problems:

- Easy: LeetCode 200

- Medium: LeetCode 207, 133, 994

- Hard: LeetCode 269, Codeforces 20C

🚀 Day 13: Greedy Algorithms

📌 Lectures: 48 → 50

💻 Problems:

- Easy: LeetCode 455

- Medium: LeetCode 435, 763

- Hard: LeetCode 135

🚀 Day 14: Dynamic Programming Basics

📌 Lectures: 51 → 58

💻 Problems:

- Easy: LeetCode 70, 198

- Medium: LeetCode 300, 1143, 518

- Hard: LeetCode 72, 97

Day 15: Revision + Mock Interview

- Revise all key topics (binary search, recursion, DP, graphs).

- Attempt 2 Easy + 2 Medium + 1 Hard randomly from above.

- Practice explaining approach + coding within time limits.