Cracking the Coding Interview: 6-Week Plan

Week 1: Arrays and Strings (Chapter 1) (May 24 – May 30)

- Questions to Solve:

  - Q1.1 Is Unique
  - Q1.2 Check Permutation
  - Q1.3 URLify
  - Q1.4 Palindrome Permutation
  - Q1.5 One Away
  - Q1.6 String Compression
  - Q1.7 Rotate Matrix
  - Q1.8 Zero Matrix
  - Q1.9 String Rotation

- Sunday:

  - Review all solved questions
  - Attempt 5 mixed mock problems
  - Log key mistakes

Week 2: Linked Lists (Chapter 2) (May 31 – Jun 06)

- Questions to Solve:

  - Q2.1 Remove Dups
  - Q2.2 Return Kth to Last
  - Q2.3 Delete Middle Node
  - Q2.4 Partition
  - Q2.5 Sum Lists
  - Q2.6 Palindrome
  - Q2.7 Intersection
  - Q2.8 Loop Detection

- Sunday:

  - Review all solved questions
  - Attempt 5 mixed mock problems
  - Log key mistakes

Week 3: Stacks and Queues (Chapter 3) (Jun 07 – Jun 13)

- Questions to Solve:

  - Q3.1 Three in One

- Q3.2 Stack Min
- Q3.3 Stack of Plates
- Q3.4 Queue via Stacks
- Q3.5 Sort Stack
- Q3.6 Animal Shelter

- Sunday:

  - Review all solved questions
  - Attempt 5 mixed mock problems
  - Log key mistakes

Week 4: Trees and Graphs (Chapter 4) (Jun 14 – Jun 20)

- Questions to Solve:

  - Q4.1 Route Between Nodes
  - Q4.2 Minimal Tree
  - Q4.3 List of Depths
  - Q4.4 Check Balanced
  - Q4.5 Validate BST
  - Q4.6 Successor
  - Q4.7 Build Order
  - Q4.8 First Common Ancestor

- Sunday:

  - Review all solved questions
  - Attempt 5 mixed mock problems
  - Log key mistakes

Week 5: Sorting and Searching (Chapter 10) (Jun 21 – Jun 27)

- Questions to Solve:

  - Q10.1 Sorted Merge
  - Q10.2 Group Anagrams
  - Q10.3 Search in Rotated Array
  - Q10.4 Sorted Search, No Size
  - Q10.5 Sparse Search
  - Q10.10 Rank from Stream

- Sunday:

  - Review all solved questions
  - Attempt 5 mixed mock problems
  - Log key mistakes

Week 6: Recursion and Dynamic Programming (Chapter 8) (Jun 28 – Jul 04)

- Questions to Solve:

  - Q8.1 Triple Step
  - Q8.2 Robot in a Grid
  - Q8.3 Magic Index
  - Q8.4 Power Set
  - Q8.5 Recursive Multiply
  - Q8.6 Towers of Hanoi
  - Q8.7 Permutations without Dups
  - Q8.11 Coins

- Sunday:

  - Review all solved questions
  - Attempt 5 mixed mock problems
  - Log key mistakes