# 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