Technique	Problem	Name
Design	Implement HashMap	Design-1
Design	Implement MinStack	Design-1
Design, Stack	Create Queue using Stacks	Design-2
Design	Implement HashSet	Design-2
Binary Search	Search inside a Rotated sorted Array	Binary Search - 1
Binary Search	Search inside a Sorted Array Whose length is unknown	Binary Search - 1
Binary Search	Find the First and Last position of an element in a sorted array	Binary Search - 2
Binary Search	Find the Minimum in Rotated Array(Sorted)	Binary Search - 2
Binary Search	Find the Peak Element	Binary Search - 2
Intro to OOPS	Introduction to OOPs	
MOCK Interview	**Problem1:Binary Search**	
MOCK Interview	**Problem2:Design**	
Hashing	Grouping Anagrams together	Hashing-1
Hashing	Isomorphic Strings	Hashing-1
Hashing	Word Pattern	Hashing-1
Hashing	Subarray Sum equals K	Hashing-2
Hashing	Contiguos Subarray	Hashing-2
Hashing	Longest Palindrome in a string	Hashing-2
Dynamic Programming	The Coin Change	DP-1
Dynamic Programming	Robber	DP-1
Dynamic Programming	House Colouring	DP-2
Dynamic Programming	Change for coins	DP-2
Dynamic Programming	Least falling path sum	DP-3
Dynamic Programming	Calculate max delete and earn	DP-3
MOCK Interview	**Problem1:Hashing,Two Pointers,Binary Search**	
MOCK Interview	**Problem2:DP**	
Arrays	A new product	Arrays-1
Arrays	Diagonal iteration	Arrays-1
Arrays	Spiral Traverse	Arrays-1
Arrays	Disappreared numbers	Arrays-2
Arrays	Max and min	Arrays-2
Arrays	Life game	Arrays-2
Two Pointers	Arrange colors	Two Pointers-1
Two Pointers	Sum equal to 0	Two Pointers-1
Two Pointers	Container with most water	Two Pointers-1
Two Pointers	Merging of 2 arrays	Two Pointers-2
Two Pointers	Search 2D sorted matrix II	Two Pointers-2
Two Pointers	Edit and remove duplicates in an array	Two Pointers-2
Contest	**{S30} Nutanix**	
MOCK Interview	**Problem1:Arrays**	
MOCK Interview	**Problem2:Two Pointers, Hashing**	
Trees, DFS	Validate BST	Trees-1
Trees, DFS	Construct Binary Tree From PreOrder and Inorder Traversal	Trees-1
Trees, DFS	Construct Binary Tree From Inorder and Postorder Traversal	Trees-2
Tree	Root to leaf sum	Trees-2
Tree	Root to leaf sum II	Trees-3
Tree	Mirror image of itself tree	Trees-3
Linked List	Reverse a Linkedlist	LinkedList-1
Linked List	Remove nth node	LinkedList-1
Linked List	Cycle in linked list	LinkedList-1
Tree	BST Iterator	LinkedList-2
Linked List	Reordering of Linkedlist	LinkedList-2
Linked List	Deletion of node	LinkedList-2
Linked List	Intersection of two Lists	LinkedList-2
MOCK Interview	**Problem1:LinkedList**	
MOCK Interview	**Problem2:Trees**	
BFS	Level order traversal in Binary tree	BFS-1
DFS, BFS	Scheduling courses	BFS-1
BFS	Right side view of a tree	BFS-1

BFS	Cousins in Tree	BFS-2
BFS	Oranges getting rotten	BFS-2
BFS	Importance of Employee	BFS-2
DFS	Flood fill the image	DFS-1
DFS, BFS	Nearest zero	DFS-1
DFS	Count of islands	DFS-2
DFS	Decoding String	DFS-2
MOCK Interview	**Problem1:DFS**	
MOCK Interview	**Problem2:BFS**	
Backtracking	Combination Sum	Backtracking-1
Backtracking	operations and expressions	Backtracking-1
Backtracking	Subsets	Backtracking-2
Backtracking	Palindrome Partitioning	Backtracking-2
Backtracking	NQueens	Backtracking-3
Backtracking	Word Search	Backtracking-3
Tries	Create Prefix Tree	Tries-1
Tries	Mazimum len Word	Tries-1
Tries	Replacing Words	Tries-1
Design, Stack	Flatten Nested List Iterator	Design-3
Design	Design Cache(LRU)	Design-3
MOCK Interview	**Problem1:Design**	
MOCK Interview	**Problem2:Backtracking**	
Design, Heap, Hash, Table	Twitter	Design-4
Design	Skip Iterator design	Design-4
Heap	Kth largest term	Heaps-1
Heap	Merge k Sorted Linked Lists	Heaps-1
Binary Search	X raised to the power N	Binary-Search-3
Binary Search	K Closest term	Binary-Search-3
Binary Search, Two Pointers	Optimize of Routes	Binary-Search-3
Binary Search	Researcher's H-index	Binary-Search-4
Binary Search	Intersection of Arrays	Binary-Search-4
Binary Search	Median of Arrays	Binary-Search-4
MOCK Interview	**Problem1:Heap**	
MOCK Interview	**Problem1:Binary Search**	
String	String in custom sort	Strings-1
Sliding Window	Longest substring	Strings-1
Strings	string String	Strings-2
Strings, Sliding Window	String Anagrams	Strings-2
String, Math	Convert Interger to English Words	Strings-3
Strings	Design calculator	Strings-3
Trees	Kth smallest element in a BST	Trees-4
Trees	Lowest Common Ancestor	Trees-4
Trees	Lowest Common Ancestor of a Binary Tree	Trees-4
Trees	Populating Next Right Pointers in Each Node	Trees-5
Trees	Recovering a Binary Search Tree	Trees-5
MOCK Interview	**Problem1: Strings**	
MOCK Interview	**Problem2: Trees**	
Dynamic Programming	Maximal square in a 2D matrix	DP-4
Dynamic Programming	Maximum sum by Partition Array	DP-4
Dynamic Programming, BFS	Word Break	DP-5
Dynamic Programming	Find all Unique Paths	DP-5
Design, BFS	Design Parking Lot	Design-5
Linked List	Copy Random pointer list	Design-5
Graph	Find the town Judge	Graph-1
Graph	Ball in the Maze	Graph-1
Contest	**{S30}Amazon**	
Mock Interview	**Problem1 : BFS, Graph**	
Mock Interview	**Problem2 : Dp**	
Arrays	Find maximum H-index Value	Array-3
Arrays	Calculating Trapping Rain Water	Array-3

Arrays	Rotating Arrar by K places to the right	Array-3
Arrays	Array Partition	Array-4
Arrays	Find Maximim Subarray	Array-4
Arrays	Implement Next Permutation	Array-4
Design. linked list	Design Phone Directory	Design-6
Design, Trie	Autocomplete System for a search engine	Design-6
Design	Desin Cache Least Fruequent One	Design-7
Design	Snake Game	Design-7
Contest	**{S30}Facebook**	
Mock Interview	**Problem1 : Arrays**	
Mock Interview	**Problem2 : Design**	
Stack	Waiting for a warmer day	Stack-1
Stack	Next Greater Element II	Stack-1
Stack	Exclusive Time	Stack-2
Stack	String validation	Stack-2
Greedy	Reaching the last index	Greedy-1
Greedy	Reaching the last index II	Greedy-1
Greedy	Distribute Candy	Greedy-2
Greedy	Schedule Tasks	Greedy-2
Greedy	Reconstruct Queue by height	Greedy-3
Greedy	Label partitioning	Greedy-3
Contest	**{S30}Google**	
Mock Interview	**Problem1 : Stack**	
Mock Interview	**Problem2 : Greedy**	
BFS	Invalid Parenthesis Removal	BFS-3
BFS	Clone Graph from Reference input	BFS-3
BFS	The Minesweeper Game	BFS-4
BFS	The Snakes and ladders Game	BFS-4
Dynamic Programming	Edit Distance	DP-7
Dynamic Programming	Match Regular Expression	DP-7
Dynamic Programming	Find arithmetic slices	DP-8
Dynamic Programming	Minimum path in a triangle	DP-8
Dynamic Programming	Length of Longest Increasing Subsequence	DP-9
Dynamic Programming	Envelopes like russian doll	DP-9
Mock Interview	**Problem1**	
Mock Interview	**Problem2**	
Dynamic Programming	Find K in Super Egg Drop	DP-10
Dynamic Programming	Max earning by Balloon bursting	DP-10
Graph	Find the Critical connections in a Network	Graph-2
Graph	Minimizing the Malware Spread in a network	Graph-2
Backtracking	Optimal Placement of Buiildings in a grid	Backtracking-4
Backtracking	Word List Brace Expansion	Backtracking-4
Greedy	Minimum path for String formation	Greedy-4
Greedy	Equal Row from Minimum Domino rotations	Greedy-4
Mock Interview	**Problem1**	
Mock Interview	**Problem2**	
Greedy	Match Wildcards	Greedy-5
Greedy	Bikes in a campus	Greedy-5
Hashing	DNA Sequencing	Hashing-3
Hashing	Favourite Genres	Hashing-3
Arrays	Robot Circle Bound	Array-5
Arrays	Calculate Tax	Array-5
Dynamic Programming	Longest substring Palindrome	DP-6
Dynamic Programming	Find Ugly number II	DP-6
Bit Manipulation	Divide two numbers	BitManipulation-1
Bit Manipulation	Single occurrence of a number	BitManipulation-1
Bit Manipulation	Pair of single number	BitManipulation-1
Mock Interview	**Problem1**	
Mock Interview	**Problem2**	
Binary Search	Find function arguments	Binary-Search-5

Binary Search	Find object in a grid	Binary-Search-5
Trees	Sum between two ranges of BST	Trees-6
Trees	Serialize and Deserialize Binary Tree	Trees-6
Trees	Vertical Traversal of a Tree	Trees-6
DFS	Number Confused	DFS-3
DFS	Matchsticks to square	DFS-3
String	Atoi Sequence	Strings-4
String	Reorder log files data using comparator	Strings-4
Tries	List of word squares	Tries-2
Tries	Match CamelCases	Tries-2
Heap	Top k frequently repeating elements	Heaps-2
Mock Interview	**Problem1**	
Mock Interview	**Problem2**	
Arrays	Buy and sell stocks at best time	Array-6
Arrays, DP	Buy and sell stocks at best time iii	Array-6
Arrays, DP	Buy and sell stocks at best time iV	Array-6
Arrays, DP	Buy and sell stocks with cooldown	Array-6
Graph	Distribute water in a village	Graph-3
Graph	Find celebrity	Graph-3
Graph	Verify Alien Dictionary	Graph-3
Graph	Alien Dictionary	Graph-3
Ordered Map	Module Range	Ordered-Map-1
Math, Greedy	Calculate using Broken calculator	Greedy-6
Trees	Weight sum of a nested list	DFS-4
Trees	Coin distribution	DFS-4
Binary Search	Sparse search	Binary-search-6
Tries	Character stream	Tries-3
Arrays	Sum of the products of all possible Subsets	Array-7
Arrays	Minimum word distance	Array-7
Arrays	Minimum word distance ii	Array-8
Arrays	Minimum word distance iii	Array-8
Mock Interview	**Problem1**	
Mock Interview	**Problem2**	
Sliding Window	Find comsecutive ones	Two-pointer-3
Hashing	Multiplication in a spiral matrix	Hashing-4
Strings	Read N characters multiple times	Strings-5
Design	Online Election	
Stack	Largest Rectangle in Histogram	
Stack	Remove continuous characters from string	
Graph	Is Graph Bipartite	
Graph	Traveling is fun	
Linked List	Reverse Nodes in k-Group	
Binary Search	Capacity To Ship Packages Within D Days	
{S30} Amazon Interview Kit	3 problems	
{S30} Google Interview Kit	3 problems	
{S30} Facebook Interview Kit	3 problems	
{S30} Nutanix Interview Kit	3 problems	
Mock Interview	**Problem1**	
Mock Interview	**Problem2**	

BFS		

Design Problem	Day 1	Name of Repo
Intro to System Design 1	1	
Intro to System Design 2	2	
URL Shortening service like TinyURL	3	SD1
Instagram	4	SD2
Designing Dropbox	5	SD3
Facebook Messenger	6	SD4
Twitter	7	SD5
MOCK Interview Week-1 (Doordash)	8	
Youtube or Netflix	9	SD6
Typeahead Suggestion	10	SD7
API Rate Limiter	11	SD8
Twitter Search	12	SD9
Web Crawler	13	SD10
MOCK Interview Week-2 (Tinder)	14	
Facebook's Newsfeed	15	SD11
Yelp or Nearby Friends	16	SD12
Uber backend	17	SD13
Introduction to Design Patterns: Singleton, Observer and Dacorator Patterns	18	
Choose other patterns that are important	19	
MOCK Interview Week-3 (Redis)	20	
SOLID principles and intro to OOD	21	OOD1
Design Ticketmaster	22	OOD2
Design a Movie Ticket Booking System	23	OOD3
Design an ATM	24	OOD4
Design an Airline Management System	25	OOD5
Mock interview Week-4 (Parking lot)	26	
Design Blackjack and a Deck of Cards	27	OOD6
Design a Hotel Management System	28	OOD7
Design a Restaurant Management system	29	OOD8
Design Chess	30	OOD9
Design an Online Stock Brokerage System	31	OOD10
Mock interview Week-5 (Amazon Logistics)	32	
Design a Car Rental System	33	OOD11
Design LinkedIn	34	OOD12
Design Facebook - a social network	35	
Mock interview Week-6 (Logger system)	36	