

ap On Laptop For Much Better User Experience(Might not be able to see act

<p><b>Don't Miss This Video.</b>  <b>One Time Effort To Use This Roadmap Really Well :</b>  <a href="https://youtu.be/gqvYFIBJMSw">https://youtu.be/gqvYFIBJMSw</a></p> <p><b><u>Must Read This Before Following This Roadmap!</u></b></p>	<p><b>StartDate</b>            (Change whenever you start this roadmap) <b>29.04.2023</b></p>		
	<p><b>Topic</b></p>	<p><b>Total Questions</b></p>	<p><b>Questions Done</b></p>
<b><u>Basic DSA</u></b>			
<p><i>Most common questions asked by every company (product based or service based) or any startup. These are the basic things which every programmer should know. For every role in tech including software development, backend development, front-end development, full stack web development, data scientists etc., these questions can be asked.</i></p>	<a href="#">Arrays</a>	5	0/5
	<a href="#">String</a>	5	0/5
	<a href="#">2d Arrays</a>	5	0/5
	<a href="#">Maps/Sets</a>	5	0/5
	<a href="#">Two Pointers</a>	4	0/4
	<a href="#">Basic Algorithms</a>	6	0/6
	<b><u>Mixed Questions - 1</u></b>	20	0/20
	<b>Overall Basic DSA Progress</b>	<b>50</b>	<b>0/50</b>
<b>Revision/Break Days</b>			

<b><u>Intermediate DSA</u></b>			
<p><i>Asked by most of the product based companies or even small/big product based startups. Roles include software development, backend development, full stack web development, data scientists. Some big product companies like Amazon, Google, Microsoft can ask these for front-end development role as well.</i></p>	<a href="#">Binary Search</a>	5	0/5
	<a href="#">Recursion Basics</a>	5	0/5
	<a href="#">Linked List</a>	10	0/10
	<a href="#">Stacks &amp; Queues</a>	10	0/10
	<a href="#">Binary Trees &amp; BST</a>	15	0/15
	<b><u>Mixed Questions - 2</u></b>	30	0/30
	<b>Overall Intermediate DSA Progress</b>	<b>75</b>	<b>0/75</b>
	<b>Revision/Break Days</b>		

<b><u>Advanced DSA</u></b>			
<p><i>Mostly asked by Amazon, Microsoft, Google, Uber or other big product based companies. Some big startups like Zomato, Ola can also ask these questions. Roles include backend development, software development, full stack web development. Not much asked for</i></p>	<a href="#">Greedy Techniques</a>	5	0/5
	<a href="#">Tries</a>	5	0/5
	<a href="#">Sliding Window &amp; Dequeue</a>	7	0/7
	<a href="#">Priority Queues &amp; Heaps</a>	7	0/7
	<a href="#">Advanced Recursion &amp; Backtracking</a>	8	0/8
	<a href="#">Dynamic Programming</a>	15	0/15
	<a href="#">Graphs</a>	13	0/13
	<b><u>Mixed Questions - 3</u></b>	40	0/40

front-end developer or data scientist roles.	Overall Advanced DSA Progress	100	0/100
	Revision/Break Days		
<u>DSA Project</u>			
This is a great DSA project as it includes solving the problem with the use of various data structures like trees, heaps, arrays etc. Also concepts of bits are used. This really gives us great feeling of applying data structures and algorithms.	Huffman Coding	1	0/1
<u>Miscellaneous DSA</u>			
Asked by companies like Codenation, Directl, and sometimes Google which do very hard interviews related to DSA. Not asked in interviews of majorly other companies.	<a href="#">Bit Manipulation</a>	7	0/7
	<a href="#">String Algorithms</a>	5	0/5
	<a href="#">Segment Tree</a>	6	0/6
	<a href="#">Number Theory</a>	5	0/5
	<a href="#">DP With Trees</a>	2	0/2
		25	0/25
OVERALL PROGRESS		251	0/251

**Important :**

If you have not created a copy, you will not be able to make changes in the sheet. Make your own copy by choosing 'Make Copy' option from 'File' Menu.

Email Id	upskillwithparikh@gmail.com	
Status	Number of days	Deadline (Set According To Start Date)
Not Started	2	5.1.2023 0:00:00
Not Started	2	5.3.2023 0:00:00
Not Started	2	5.5.2023 0:00:00
Not Started	2	5.7.2023 0:00:00
Not Started	2	5.9.2023 0:00:00
Not Started	3	5.12.2023 0:00:00
Not Started	8	5.20.2023 0:00:00
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	3	
Not Started	2	5.25.2023 0:00:00
Not Started	2	5.27.2023 0:00:00
Not Started	4	5.31.2023 0:00:00
Not Started	4	6.4.2023 0:00:00
Not Started	7	6.11.2023 0:00:00
Not Started	15	6.26.2023 0:00:00
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Not Started	3	7.5.2023 0:00:00
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Not Started	4	7.20.2023 0:00:00
Not Started	8	7.28.2023 0:00:00
Not Started	7	8.4.2023 0:00:00
Not Started	20	8.24.2023 0:00:00

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FALSCH

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3

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3

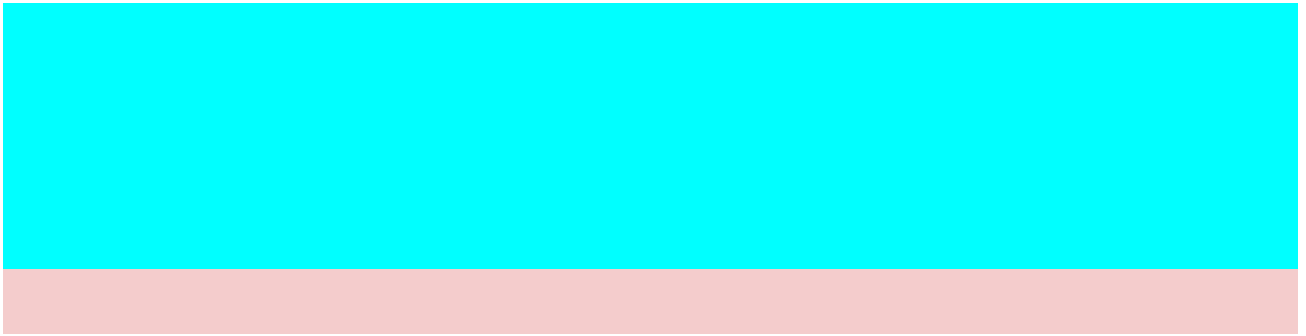
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Topic	Problem Name With Link	Done	Mark For Revision
<b>Arrays</b>			
	<a href="#">Second Largest Element</a>	FALSCH	FALSCH
	<a href="#">Rotate An Array By K</a>	FALSCH	FALSCH
	<a href="#">Non Decreasing Array</a>	FALSCH	FALSCH
	<a href="#">Equilibrium Index</a>	FALSCH	FALSCH
	<a href="#">First Missing Positive</a>	FALSCH	FALSCH
<b>String</b>			
	<a href="#">Reverse String Word Wise</a>	FALSCH	FALSCH
	<a href="#">String encoding</a>	FALSCH	FALSCH
	<a href="#">Minimum Paranthesis</a>	FALSCH	FALSCH
	<a href="#">Beautiful Strings</a>	FALSCH	FALSCH
	<a href="#">Next smallest palindrome</a>	FALSCH	FALSCH
<b>Multi-Dimensional arrays</b>			
	<a href="#">Sum of zeroes</a>	FALSCH	FALSCH
	<a href="#">Matrix Symmetric</a>	FALSCH	FALSCH
	<a href="#">Inplace rotate matrix 90 degree</a>	FALSCH	FALSCH
	<a href="#">Set Matrix Zeroes</a>	FALSCH	FALSCH
	<a href="#">Spiral Order</a>	FALSCH	FALSCH
<b>Maps/Sets</b>			
	<a href="#">Make Unique Array</a>	FALSCH	FALSCH
	<a href="#">First Non Repeating Character in String</a>	FALSCH	FALSCH
	<a href="#">Longest Subarray Zero Sum</a>	FALSCH	FALSCH
	<a href="#">Count all sub-arrays having sum divisible by k</a>	FALSCH	FALSCH
	<a href="#">Group Anagrams</a>	FALSCH	FALSCH

### Two Pointers

<a href="#">Pair Sum</a>	FALSCH	FALSCH
<a href="#">Move Negative Number To Start</a>	FALSCH	FALSCH
<a href="#">Container With Most Water</a>	FALSCH	FALSCH
<a href="#">Check subsequence</a>	FALSCH	FALSCH

### Basic Algorithms

<a href="#">Insertion Sort</a>	FALSCH	FALSCH
<a href="#">Selection Sort</a>	FALSCH	FALSCH
<a href="#">Bubble Sort</a>	FALSCH	FALSCH
<a href="#">Kadane's Algorithm</a>	FALSCH	FALSCH
<a href="#">Dutch National Flag Algorithm</a>	FALSCH	FALSCH
<a href="#">Moore's Voting Algorithm</a>	FALSCH	FALSCH

### Mixed Questions-1

(Concepts learned in topics above will be used in below questions.  
This is critical to become great in DSA.)

<a href="#">Check permutation</a>	FALSCH	FALSCH
<a href="#">Intersection Of Two Arrays</a>	FALSCH	FALSCH
<a href="#">N/3 repeated number in array</a>	FALSCH	FALSCH
<a href="#">Counting Sort</a>	FALSCH	FALSCH
<a href="#">Rotate Matrix To Right</a>	FALSCH	FALSCH
<a href="#">Find Kth Character of Decrypted String</a>	FALSCH	FALSCH
<a href="#">Move Zeroes To End</a>	FALSCH	FALSCH
<a href="#">Sum of Two Elements Equals Third</a>	FALSCH	FALSCH
<a href="#">Minimum Operations to Make String Equal</a>	FALSCH	FALSCH

<a href="#">Maximum Sum Circular Array</a>	FALSCH	FALSCH
<a href="#">Longest Consecutive Sequence</a>	FALSCH	FALSCH
<a href="#">Maximum Subarray Sum After K Concat</a>	FALSCH	FALSCH
<a href="#">Maximum Product Count</a>	FALSCH	FALSCH
<a href="#">Multiply Strings</a>	FALSCH	FALSCH
<a href="#">Find All Subsquares of size K</a>	FALSCH	FALSCH
<a href="#">Repeat And Missing Number Array</a>	FALSCH	FALSCH
<a href="#">4 Sum Problem</a>	FALSCH	FALSCH
<a href="#">Count All Subarrays With Given Sum</a>	FALSCH	FALSCH
<a href="#">Maximum Sum Rectangle</a>	FALSCH	FALSCH
<a href="#">Nth element of spiral matrix</a>	FALSCH	FALSCH

Notes	Codes
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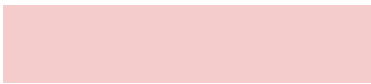
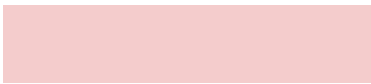
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Topic	Problem Name With Link	Done	Mark For Revision
<b>Binary Search</b>			
	<a href="#">Square Root</a>	FALSCH	FALSCH
	<a href="#">Search in Rotated Sorted Array</a>	FALSCH	FALSCH
	<a href="#">Find element that appears twice</a>	FALSCH	FALSCH
	<a href="#">Matrix Median</a>	FALSCH	FALSCH
	<a href="#">Aggressive Cows</a>	FALSCH	FALSCH
<b>Recursion Basics</b>			
	<a href="#">Merge Sort</a>	FALSCH	FALSCH
	<a href="#">Quick Sort</a>	FALSCH	FALSCH
	<a href="#">Find Kth Element</a>	FALSCH	FALSCH
	<a href="#">Family Structure</a>	FALSCH	FALSCH
	<a href="#">Binary String With no consecutive 1s</a>	FALSCH	FALSCH
<b>Linked List</b>			
	<a href="#">Reverse A Linked List</a>	FALSCH	FALSCH
	<a href="#">Mid Point In Linked List</a>	FALSCH	FALSCH
	<a href="#">Merge Sort</a>	FALSCH	FALSCH
	<a href="#">Add Two Linked Lists</a>	FALSCH	FALSCH
	<a href="#">Insertion Sort on Linked List</a>	FALSCH	FALSCH
	<a href="#">Delete Kth node from End</a>	FALSCH	FALSCH
	<a href="#">Detect And Remove Cycle</a>	FALSCH	FALSCH
	<a href="#">Swap Nodes In Pairs</a>	FALSCH	FALSCH
	<a href="#">Append Nodes</a>	FALSCH	FALSCH
	<a href="#">Segregate Odd even</a>	FALSCH	FALSCH
<b>Stacks &amp; Queues</b>			
	<a href="#">Implement Stack Using Array</a>	FALSCH	FALSCH
	<a href="#">Implement Stack Using Linked List</a>	FALSCH	FALSCH
	<a href="#">Implement Queue Using Array/LinkedList</a>	FALSCH	FALSCH
	<a href="#">Implement Queue Using 2 Stacks</a>	FALSCH	FALSCH
	<a href="#">Implement Stack Using 2 Queues</a>	FALSCH	FALSCH
	<a href="#">Min Stack</a>	FALSCH	FALSCH
	<a href="#">Next Greater Element</a>	FALSCH	FALSCH
	<a href="#">Stock Span Problem</a>	FALSCH	FALSCH
	<a href="#">Reverse Queue</a>	FALSCH	FALSCH
	<a href="#">Valid Parantheses</a>	FALSCH	FALSCH
<b>Binary Trees &amp; BST</b>			
	<a href="#">Diameter Of Binary Tree</a>	FALSCH	FALSCH
	<a href="#">LCA Of Binary Tree</a>	FALSCH	FALSCH
	<a href="#">Level Order Traversal Binary Tree</a>	FALSCH	FALSCH
	<a href="#">ZigZar Order Traversal Binary Tree</a>	FALSCH	FALSCH
	<a href="#">Left View Of Binary Tree</a>	FALSCH	FALSCH
	<a href="#">Top View Of Binary Tree</a>	FALSCH	FALSCH
	<a href="#">Construct Binary Tree From Inorder And Preorder</a>	FALSCH	FALSCH
	<a href="#">Vertical Order Traversal Of Binary Tree</a>	FALSCH	FALSCH
	<a href="#">Inorder Traversal Binary Tree Using Stacks</a>	FALSCH	FALSCH

<a href="#">LCA of two nodes in BST</a>	FALSCH	FALSCH
<a href="#">BST Delete</a>	FALSCH	FALSCH
<a href="#">Check if binary tree is BST?</a>	FALSCH	FALSCH
<a href="#">Kth smallest element in BST</a>	FALSCH	FALSCH
<a href="#">Predecessor And Successor In BST</a>	FALSCH	FALSCH
<a href="#">Pair sum in BST</a>	FALSCH	FALSCH

### Mixed Questions - 2

**(Concept learned in BASIC DSA and topics above will be used here. This is critical to become great in DSA.)**

<a href="#">Find whether array is subset of another array</a>	FALSCH	FALSCH
<a href="#">Median of 2 Sorted Arrays</a>	FALSCH	FALSCH
<a href="#">LCA of 3 nodes</a>	FALSCH	FALSCH
<a href="#">Remove Keys Outside Given Range</a>	FALSCH	FALSCH
<a href="#">Search in a row wise and column wise sorted matrix</a>	FALSCH	FALSCH
<a href="#">Check Linked List is Palindrome?</a>	FALSCH	FALSCH
<a href="#">K Reverse Linked List</a>	FALSCH	FALSCH
<a href="#">Tower Of Hanoi</a>	FALSCH	FALSCH
<a href="#">BST Iterator</a>	FALSCH	FALSCH
<a href="#">Flatten Binary Tree To Linked List</a>	FALSCH	FALSCH
<a href="#">Rearrange Linked List</a>	FALSCH	FALSCH
<a href="#">Largest Rectangle In Histogram</a>	FALSCH	FALSCH
<a href="#">Quick Sort On Linked List</a>	FALSCH	FALSCH
<a href="#">Sorted Linked List To Balanced BSTs</a>	FALSCH	FALSCH
<a href="#">Binary Tree to Doubly Linked List</a>	FALSCH	FALSCH
<a href="#">Bottom Right View Of Binary Tree</a>	FALSCH	FALSCH
<a href="#">Merge Two BSTs</a>	FALSCH	FALSCH
<a href="#">Merge Two Binary Trees</a>	FALSCH	FALSCH
<a href="#">Sort A Stack</a>	FALSCH	FALSCH
<a href="#">Boundary Traversal of Binary Tree</a>	FALSCH	FALSCH
<a href="#">Longest Substring with K Distinct Characters</a>	FALSCH	FALSCH
<a href="#">HashMap Implementation</a>	FALSCH	FALSCH
<a href="#">Closest Distance Pair</a>	FALSCH	FALSCH
<a href="#">Time to burn tree</a>	FALSCH	FALSCH
<a href="#">Allocate Books</a>	FALSCH	FALSCH
<a href="#">Clone A LinkedList With Random And next Pointer</a>	FALSCH	FALSCH
<a href="#">Fix BST</a>	FALSCH	FALSCH

<a href="#">Nth root of Integer</a>	FALSCH	FALSCH
<a href="#">Size of the largest BST</a>	FALSCH	FALSCH
<a href="#">LRU Cache</a>	FALSCH	FALSCH

Notes	Codes



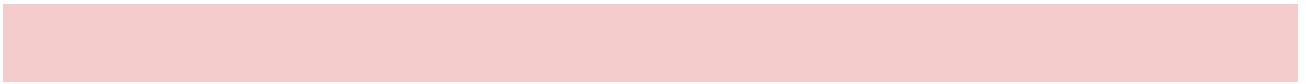
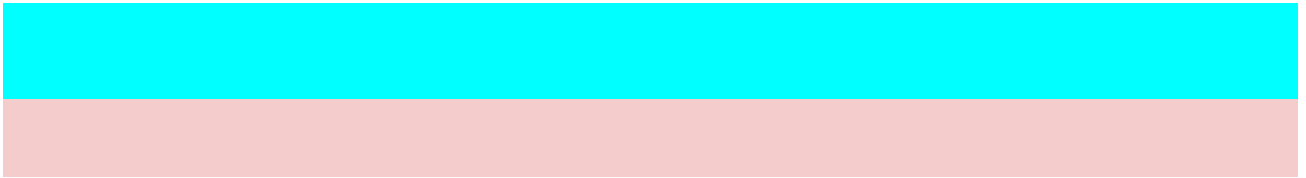














Topic	Problem Name With Link	Done	Mark For Revision
<b>Greedy Techniques</b>			
	<a href="#">Fractional Knapsack</a>	FALSCH	FALSCH
	<a href="#">Gas Tank</a>	FALSCH	FALSCH
	<a href="#">Job Sequencing</a>	FALSCH	FALSCH
	<a href="#">Next Greater Number</a>	FALSCH	FALSCH
	<a href="#">Minimum Cash Flow</a>	FALSCH	FALSCH
<b>Tries</b>			
	<a href="#">Implement A Trie(Insert,Search)</a>	FALSCH	FALSCH
	<a href="#">Trie (Delete)</a>	FALSCH	FALSCH
	<a href="#">Count distinct substrings</a>	FALSCH	FALSCH
	<a href="#">Spell Checker</a>	FALSCH	FALSCH
	<a href="#">Maximum XOR</a>	FALSCH	FALSCH
<b>Sliding Window &amp; Deque</b>			
	<a href="#">Smallest Subarray With K Distinct Elements</a>	FALSCH	FALSCH
	<a href="#">Count Distinct Element in Every K Size Window</a>	FALSCH	FALSCH
	<a href="#">Longest Substring Without Repeating Characters</a>	FALSCH	FALSCH
	<a href="#">Anagram Substring Search</a>	FALSCH	FALSCH
	<a href="#">Implement Dequeue</a>	FALSCH	FALSCH
	<a href="#">Sliding Maximum</a>	FALSCH	FALSCH
	<a href="#">Maximum in Subarrays of length K</a>	FALSCH	FALSCH
<b>Priority Queues &amp; Heaps</b>			
	<a href="#">Implement Priority Queue</a>	FALSCH	FALSCH
	<a href="#">Convert Min Heap To Max heap</a>	FALSCH	FALSCH
	<a href="#">Kth Smalles &amp; Largest Element</a>	FALSCH	FALSCH
	<a href="#">Kth Largest Sum Subarray</a>	FALSCH	FALSCH
	<a href="#">Merge K Sorted Arrays</a>	FALSCH	FALSCH
	<a href="#">Running Median</a>	FALSCH	FALSCH
	<a href="#">Connect n ropes with minimum cost</a>	FALSCH	FALSCH
<b>Advanced Recursion &amp; Backtracking</b>			
	<a href="#">N Queen Problem</a>	FALSCH	FALSCH
	<a href="#">Sudoku Solver</a>	FALSCH	FALSCH
	<a href="#">Rat in a Maze</a>	FALSCH	FALSCH
	<a href="#">Letter Combinations Of Phone Number</a>	FALSCH	FALSCH
	<a href="#">Subsequences of String</a>	FALSCH	FALSCH
	<a href="#">Combination Sum</a>	FALSCH	FALSCH

[Print Permutations](#)

FALSCH

FALSCH

[Restore IP Addresses](#)

### Dynamic Programming

[Count way to reach nth stair](#)

FALSCH

FALSCH

[House Robber](#)

FALSCH

FALSCH

[Ways to make coin change](#)

FALSCH

FALSCH

[Rod Cutting Problem](#)

FALSCH

FALSCH

[Minimum Jumps To Reach End](#)

FALSCH

FALSCH

[Minimum steps to reach target by Knight](#)

FALSCH

FALSCH

[Longest Increasing Subsequence](#)

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[Longest Common Subsequence](#)

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FALSCH

[Edit Distance](#)

FALSCH

FALSCH

[Interleaving 2 strings](#)

FALSCH

FALSCH

[Minimum Deletions](#)

FALSCH

FALSCH

[0-1 Knapsack](#)

FALSCH

FALSCH

[Best Time to buy and sell stock](#)

FALSCH

FALSCH

[Matrix Chain Multiplication](#)

FALSCH

FALSCH

[Partition Equal Subset Sum](#)

FALSCH

FALSCH

### Graphs

[Largest Island](#)

FALSCH

FALSCH

[Is Graph A Tree?](#)

FALSCH

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[Snake & Ladder Problem](#)

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[Shortest path in Binary Matrix](#)

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[Dijkstra's Algorithm](#)

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[MST Using Prim's Algorithm \(With Priority Queue\)](#)

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[MST Using Kruskal's Algorithm \(With Disjoint Set Union\)](#)

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[Topological Sort](#)

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[M Coloring Problem](#)

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[Detect Cycle In Directed Graph](#)

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[Bipartite Check](#)

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[Bellman Ford Algorithm](#)

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[Floyd Warshall Algorithm](#)

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### Mixed Questions - 3

(Concept learned in Basic DSA , Intermediate DSA and topics above will be used here. This is critical to become great in DSA.)

[Minimum Fountains](#)

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[Minimum Coins](#)

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[Implement Atoi Function](#)

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[Generate Paranthesis](#)

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[Minimum insertions to make string palindrome](#)

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[Convert BST to Min Heap](#)

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<a href="#">Fruit And Baskets</a>	FALSCH	FALSCH
<a href="#">Subset Sum</a>	FALSCH	FALSCH
<a href="#">Path With Good Nodes</a>	FALSCH	FALSCH
<a href="#">Longest Path In Directed Graph</a>	FALSCH	FALSCH
<a href="#">Minimum Window Subsequence</a>	FALSCH	FALSCH
<a href="#">Longest Bitonic Subsequence</a>	FALSCH	FALSCH
<a href="#">Longest Palindromic Substring</a>	FALSCH	FALSCH
<a href="#">Number of balanced binary trees</a>	FALSCH	FALSCH
<a href="#">Merge intervals</a>	FALSCH	FALSCH
<a href="#">Merge K Sorted Linked List</a>	FALSCH	FALSCH
<a href="#">LCS of 3 strings</a>	FALSCH	FALSCH
<a href="#">Clone Graph</a>	FALSCH	FALSCH
<a href="#">Minimum K product</a>	FALSCH	FALSCH
<a href="#">Longest Increasing Path in 2d matrix</a>	FALSCH	FALSCH
<a href="#">City With Smallest Number of Neighbours</a>	FALSCH	FALSCH
<a href="#">Non Overlapping Intervals</a>	FALSCH	FALSCH
<a href="#">K most frequent elements</a>	FALSCH	FALSCH
<a href="#">Maximum Equal Stack Sum</a>	FALSCH	FALSCH
<a href="#">Minimum subset sum difference</a>	FALSCH	FALSCH
<a href="#">Word Break Problem</a>	FALSCH	FALSCH
<a href="#">Find all occurrences of multiple patterns</a>	FALSCH	FALSCH
<a href="#">Unbounded Knapsack</a>	FALSCH	FALSCH
<a href="#">Fact Digit Sum</a>	FALSCH	FALSCH
<a href="#">Palindrome Partitioning</a>	FALSCH	FALSCH
<a href="#">Sorted Matrix</a>	FALSCH	FALSCH
<a href="#">Alien Dictionary</a>	FALSCH	FALSCH
<a href="#">Word Ladder</a>	FALSCH	FALSCH
<a href="#">Scramble String</a>	FALSCH	FALSCH
<a href="#">Painter's Partition</a>	FALSCH	FALSCH

<a href="#">Longest Chunked Palindrome Decomposition</a>	FALSCH	FALSCH
<a href="#">Most Stones Removed</a>	FALSCH	FALSCH
<a href="#">Buy And Sell Stock Advanced</a>	FALSCH	FALSCH
<a href="#">Maximum Size Rectangle Sub-matrix With All 1's</a>	FALSCH	FALSCH
<a href="#">Path With Minimum Effort</a>	FALSCH	FALSCH

Notes	Codes

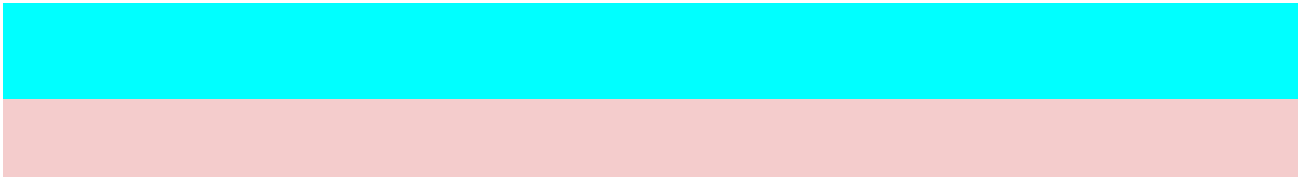
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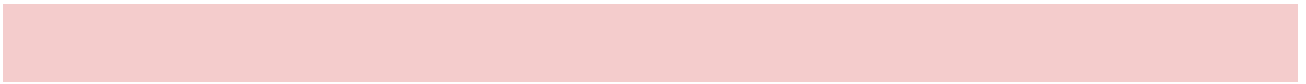
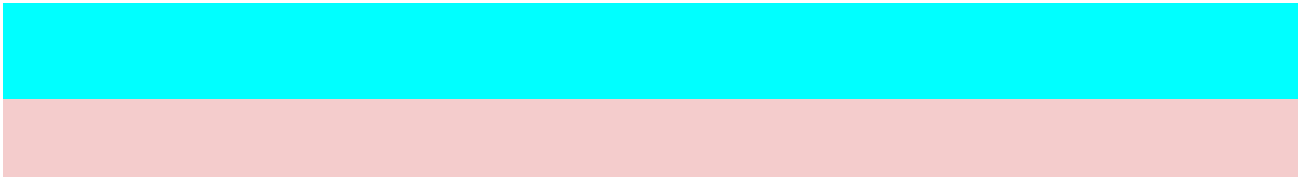
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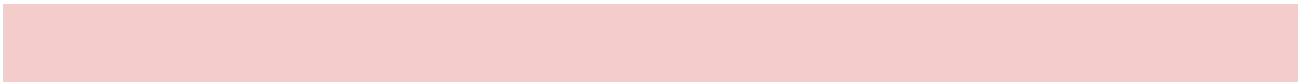
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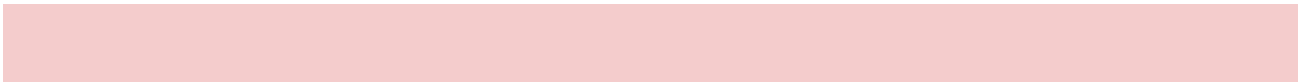
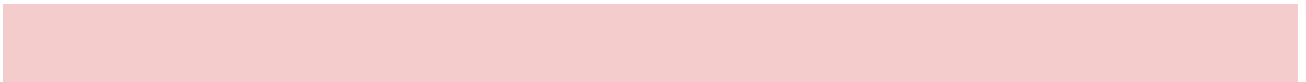
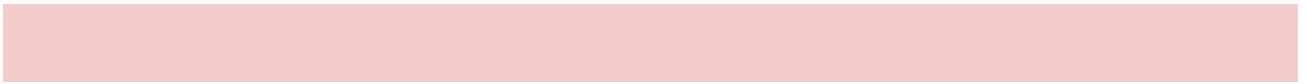
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Topic	Problem Name With Link	Done	Mark For Revision
<b>Bit Manipulation</b>			
	<a href="#">Find a value whose XOR with a given value is maximum.</a>	FALSCH	FALSCH
	<a href="#">Set K Bits</a>	FALSCH	FALSCH
	<a href="#">X or Y</a>	FALSCH	FALSCH
	<a href="#">Count Bitwise OR of all subarrays</a>	FALSCH	FALSCH
	<a href="#">Power of 2</a>	FALSCH	FALSCH
	<a href="#">Flip Given Bits</a>	FALSCH	FALSCH
	<a href="#">Braille's Dilemma</a>	FALSCH	FALSCH
<b>String Algorithms</b>			
	<a href="#">Boyer Moore Algorithm</a>	FALSCH	FALSCH
	<a href="#">Z Algorithm</a>	FALSCH	FALSCH
	<a href="#">KMP Algorithm</a>	FALSCH	FALSCH
	<a href="#">Rabin Karp Algorithm</a>	FALSCH	FALSCH
	<a href="#">Manacher's Algorithm</a>	FALSCH	FALSCH
<b>Segment Tree</b>			
	<a href="#">Range Minimum Query</a>	FALSCH	FALSCH
	<a href="#">Fastest Horse</a>	FALSCH	FALSCH
	<a href="#">Maximum Subarray Sum Queries</a>	FALSCH	FALSCH
	<a href="#">Ninja and Meteorites</a>	FALSCH	FALSCH
	<a href="#">Squares Sum</a>	FALSCH	FALSCH
	<a href="#">AP Queries</a>	FALSCH	FALSCH
<b>Number Theory</b>			
	<a href="#">Sieve of Eratosthenes</a>	FALSCH	FALSCH
	<a href="#">Sum Of Factors</a>	FALSCH	FALSCH
	<a href="#">Extended Euclid Algorithm</a>	FALSCH	FALSCH
	<a href="#">Modulo Calculation</a>	FALSCH	FALSCH
	<a href="#">Modular Exponentiation</a>	FALSCH	FALSCH
<b>DP with Trees</b>			
	<a href="#">Maximum Height Tree</a>	FALSCH	FALSCH
	<a href="#">Ninja and Numbers</a>	FALSCH	FALSCH

Notes	Codes



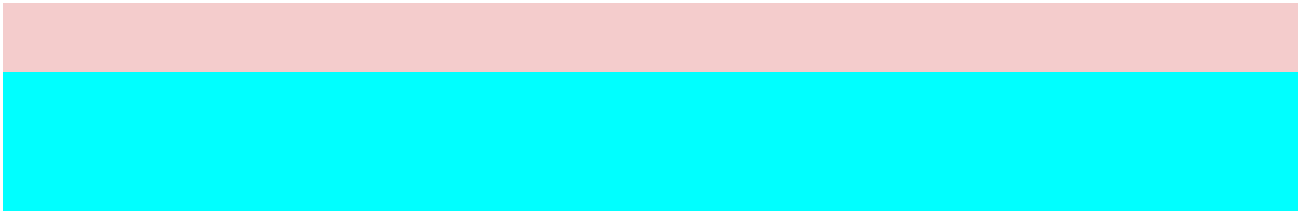


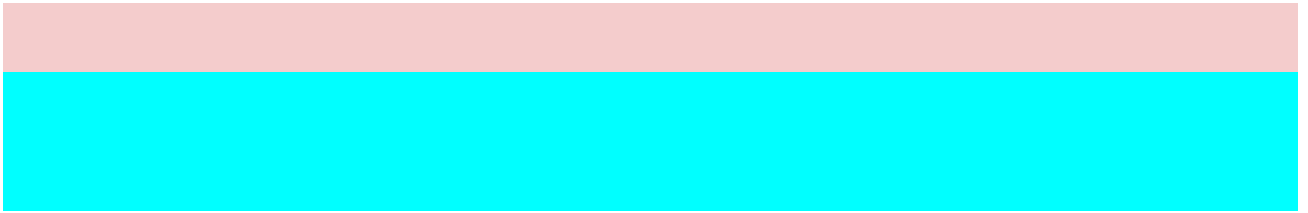


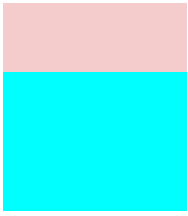


Revision Problems	
Problem Name	Problem Link

**Status (Not Done Yet, Need To Revise  
Again, Done And Dusted)**







## Most Important Things While Following This Roadmap

Don't Miss this video :It's a one time effort, but that will give you lot of clarity behind this roadmap. That will really motivate you to follow this roadmap and make you best in DSA.

Important :

If you have not created a copy, you will not be able to make changes in the sheet.  
Make your own copy by choosing 'Make Copy' option from 'File' Menu.

Deadlines are set according to the start date from the top. If you are starting today, you can change the start date and deadlines will be set accordingly.

Also, for each topic deadline is assigned according to the number of days. I have set according to my own experience. But you can increase or decrease it, and deadlines will be changed accordingly.

Whichever problem, you will mark for revision, will start getting updated in the revision problem section, which you can navigate from the bottom.

You can sync your calendar with the topic deadlines by changing your email id and clicking sync google calendar from top.

Sometimes we need to do sync multiple times. So if in first time it will not show. Try second time again.

If you still face issue, please create a new copy from original link : <https://parikh.club/dsa-251-yt> and try again. It should work.

Last Request, this has been made with a lot of efforts and experience of learning and teaching DSA. But there can be lot of suggestions/feedback from your side which you want to improve.

**Also, it would be a great motivation for me if you will share it on social media platforms like LinkedIn, Instagram etc. that you have started following this DSA-251 Roadmap.**

**It will be great to know that people are actually doing it.**

## Other Important Videos Helpful For You

How to Make Notes in DSA?

How How Not To Learn DSA? Most Common Mistakes.

How To Learn To Code in 2023 From Scratch?

How To Manage DSA, Development, College or Office Together?

oadmap :

Video link : <https://youtu.be/qqvYFIBJMSw>

Make your own copy by choosing 'Make Copy'  
option from 'File' Menu.

[Change Start Date From Here](#)

[Change Deadlines According To Days Here](#)

[Check Revision Problems Here](#)

[Change Email Id To Sync With Google Calendar](#)

Suggestion Form Link :

<https://forms.gle/Qb3QpZac6Xh7FVEo8>

<https://youtu.be/lp0LcF5a1xQ>

<https://youtu.be/RRjekv8D-O8>

<https://youtu.be/cTwALtdYmCo>

<https://youtu.be/TLAARB9v9IE>