

	These are the questions which i did during my preparation...		
	<b>DSA SHEET by NISHANT CHAHAR</b>		
	<b><u>Question Link</u></b>	<b>DONE</b>	<b>HINT</b>
	<b>Stacks</b>		
1	<a href="#">Next Greater Element on right</a>		
2	<a href="#">Next Greater Element 2</a>		
3	<a href="#">Daily Temperatures</a>		
4	<a href="#">maximum difference between left and right smaller</a>		
5	<a href="#">Stock Span Problem</a>		
6	<a href="#">Largest Rectangular Area Histogram</a>		
7	<a href="#">maximu size binary matrix containing 1</a>		
8	<a href="#">Valid Parentheses</a>		
9	<a href="#">Length of longest valid substring</a>		
10	<a href="#">Count of duplicate Parentheses</a>		
11	<a href="#">Decode String</a>		
12	<a href="#">Minimum Add To make Parentheses Valid</a>		
13	<a href="#">Print Bracket Number</a>		
14	<a href="#">Asteroid Collision</a>		
15	<a href="#">Backspace String Compare</a>		
16	<a href="#">Print Binary Number</a>		
17	<a href="#">Score Of String</a>		
18	<a href="#">Remove K digits From number</a>		
19	<a href="#">Car fleet</a>		
20	<a href="#">First negative Integer in k sized window</a>		
21	<a href="#">Addition</a>		
22	<a href="#">Gas Station</a>		
23	<a href="#">Maximum sum of smallest and second smallest</a>		
24	<a href="#">Min Stack</a>		
25	<a href="#">K stacks in a single array</a>		
26	<a href="#">Validate Stack</a>		
27	<a href="#">K reverse in a queue</a>		
28	<a href="#">largest Pair sum in unsorted array</a>		
	<b>Linked Lists</b>		
1	<a href="#">reverse LinkedList</a>		
2	<a href="#">K reverse</a>		
3	<a href="#">Floyd cycle</a>		
4	<a href="#">Merge LinkedList</a>		
5	<a href="#">Clone a linkedlist</a>		
6	<a href="#">find modular node</a>		
7	<a href="#">Remove duplicate from sorted</a>		
8	<a href="#">Find the middle element</a>		
9	<a href="#">Nth element from end</a>		

10	<a href="#">LRU Cache</a>		
	<b>Binary Tree</b>		
1	<a href="#">Inorder Traversal</a>		
2	<a href="#">Preorder Traversal</a>		
3	<a href="#">Postorder Traversal</a>		
4	<a href="#">Print ancestor of given tree</a>		
5	<a href="#">Binary Tree Level Order</a>		
6	<a href="#">Average of levels</a>		
7	<a href="#">All Nodes at distance K</a>		
8	<a href="#">Count bst in a given range</a>		
9	<a href="#">Binary search tree to greater sum</a>		
10	<a href="#">Binary Tree Cameras</a>		
11	<a href="#">Binary Tree Maximum Path Sum</a>		
12	<a href="#">Binary Tree to BST</a>		
13	<a href="#">right side view</a>		
14	<a href="#">Left View</a>		
15	<a href="#">Vertical order</a>		
16	<a href="#">Top View</a>		
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18	<a href="#">Diagonal Traversal</a>		
19	<a href="#">leftmost and rightmost node</a>		
20	<a href="#">kth smallest element</a>		
21	<a href="#">Binary Tree Tilt</a>		
22	<a href="#">Print all nodes that dont have siblings</a>		
23	<a href="#">House robber 3</a>		
24	<a href="#">Boundary Traversal</a>		
	<b>Binary search tree</b>		
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3	<a href="#">square root decomposition</a>		
4	<a href="#">Delete Node in BST</a>		
5	<a href="#">Construct from inorder and preorder</a>		
6	<a href="#">Construct from inorder and postorder</a>		
7	<a href="#">construct bst using postorder</a>		
8	<a href="#">Inorder and level order</a>		
9	<a href="#">serialize and deserialize</a>		
10	<a href="#">Distribute coins in a binary tree</a>		
11	<a href="#">duplicate subtree in a binary tree</a>		
	<b>Mixed from tree (General tree, AVL,BST)</b>		
1	<a href="#">AVL tree</a>		
2	<a href="#">image multiplication</a>		
3	<a href="#">Binary TREE longest consecutive sequence</a>		
4	<a href="#">diameter of a tree</a>		

5	<a href="#">Kth smallest element of BST</a>		
6	<a href="#">clone a binary tree with random pointer</a>		
7	<a href="#">Flatten binary tree to linked list</a>		
8	<a href="#">Convert a binary tree to circular doubly linked list</a>		
9	<a href="#">Conversion of sorted DLL to BST</a>		
10	<a href="#">Merge Two BST</a>		
11	<a href="#">Pair violating BST property</a>		
12	<a href="#">Flip binary tree to match preorder</a>		
13	<a href="#">inorder sucesor</a>		
14	<a href="#">Rabbits in forest</a>		
	<b>Arrays &amp; strings ( STL )</b>		
1	<a href="#">Array of doubled Pair</a>		
2	<a href="#">Find smallest size of string containing all char of other</a>		
3	<a href="#">Longest consecutive 1's</a>		
4	<a href="#">number of subarrays sum exactly k</a>		
5	<a href="#">Subarray sum Divisible by k</a>		
6	<a href="#">longest substring with unique character</a>		
7	<a href="#">subarray with equal number of 0 and 1</a>		
8	<a href="#">Substring with equal 0 1 and 2</a>		
9	<a href="#">same frequency after one removal</a>		
10	<a href="#">K closest point from origin</a>		
11	<a href="#">Anagram Pallindrome</a>		
12	<a href="#">Minimum number of refueling spots</a>		
13	<a href="#">Find all anagrams in a string</a>		
14	<a href="#">K anagram</a>		
15	<a href="#">smallest number whose digit mult to given no.</a>		
16	<a href="#">Group anagram</a>		
17	<a href="#">Huffman coding</a>		
18	<a href="#">Isomorphic string</a>		
19	<a href="#">Check AP sequence</a>		
20	<a href="#">Count Pair whose sum is divisible by k</a>		
21	<a href="#">smallest subarray with all the occurence of MFE</a>		
22	<a href="#">Morning Assembly</a>		
23	<a href="#">Kth smallest element in sorted 2d matrix</a>		
24	<a href="#">Kth smallest prime fraction</a>		
25	<a href="#">Max points on a line</a>		
26	<a href="#">Brick wall</a>		
27	<a href="#">Array Pair sum divisibility</a>		
28	<a href="#">A simple fraction</a>		
29	<a href="#">Grid illumination</a>		
30	<a href="#">Insert Delete GetRandom O(1)</a>		
31	<a href="#">Count of substring with k 1</a>		
32	<a href="#">Incomplete array</a>		
33	<a href="#">Long Pressed Name</a>		

34	<a href="#">Range Addition</a>		
35	<a href="#">Max range query</a>		
36	<a href="#">Magic Squares In Grid</a>		
37	<a href="#">Next Greater Element III</a>		
38	<a href="#">Orderly Queue</a>		
39	<a href="#">maximum subarray</a>		
40	<a href="#">K-CON</a>		
41	<a href="#">Rotate Array</a>		
42	<a href="#">Remove Duplicates from Sorted Array</a>		
43	<a href="#">X of akind in a deck</a>		
44	<a href="#">merge k sorted array</a>		
45	<a href="#">Grid illumination</a>		
46	<a href="#">Kth smallest after removing natural numbers</a>		
47	<a href="#">rearrange character string such that no two are same</a>		
48	<a href="#">Longest consecutive sequence</a>		
49	<a href="#">length of largest subarray with continuous element</a>		
50	<a href="#">length of largest subarray with cont element 2</a>		
51	<a href="#">Anagram mapping</a>		
52	<a href="#">Employee Free time</a>		
53	<a href="#">Line reflection</a>		
	<b>Heap</b>		
1	<a href="#">Binary heap</a>		
2	<a href="#">Build heap from array</a>		
3	<a href="#">Island perimeter</a>		
4	<a href="#">skyline problem</a>		
5	<a href="#">Pairs of coinciding points</a>		
6	<a href="#">trapping rain water</a>		
7	<a href="#">Trapping Rain Water II</a>		
8	<a href="#">Sort a nearly sorted array</a>		
9	<a href="#">bulb switcher</a>		
10	<a href="#">max frequency stack</a>		
11	<a href="#">Sliding window maximum</a>		
12	<a href="#">Swim in rising water</a>		
13	<a href="#">Heap sort</a>		
14	<a href="#">Product of Array Except Self</a>		
15	<a href="#">K empty slots</a>		
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17	<b>mathematics</b>		
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19	<a href="#">Sieve of Eratosthenes</a>		
20	<a href="#">Segmented sieve</a>		
21	<a href="#">Squares of a Sorted Array</a>		
22	<a href="#">Fast Exponentiation</a>		

23	<a href="#">Fibonacci Number</a>		
24	<a href="#">Container With Most Water</a>		
	<b>Searching &amp; Sorting</b>		
1	<a href="#">Segregate 0 and 1</a>		
2	<a href="#">Segregate 0-1-2</a>		
3	<a href="#">Sort Array By Parity</a>		
4	<a href="#">Min Jump required with +i or -i allowed</a>		
5	<a href="#">Max chunks to make sorted</a>		
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7	<a href="#">Two Sum</a>		
8	<a href="#">Two Difference</a>		
9	<a href="#">LPS</a>		
10	<a href="#">Shortest Palindrome</a>		
11	<a href="#">Boats to Save People</a>		
12	<a href="#">Min No. of Platform</a>		
13	<a href="#">Maximum Swap</a>		
14	<a href="#">Optimal Division</a>		
15	<a href="#">Max Consecutive Ones II</a>		
16	<a href="#">max consecutive ones 3</a>		
17	<a href="#">majority element</a>		
18	<a href="#">majority element 2</a>		
19	<a href="#">majority element general</a>		
20	<a href="#">Reverse vowels of a string</a>		
21	<a href="#">First missing positive</a>		
22	<a href="#">push dominoes</a>		
23	<a href="#">moving stones until consecutive 2</a>		
24	<a href="#">max product of 3 numbers</a>		
25	<a href="#">largest number atleast twice of others</a>		
26	<a href="#">maximum product subarray</a>		
27	<a href="#">rotate image</a>		
28	<a href="#">number of subarrays with bounded maximum</a>		
29	<a href="#">partition labels</a>		
30	<a href="#">global and local inversions</a>		
31	<a href="#">partition array into disjoint intervals</a>		
32	<a href="#">valid pallindrome 2</a>		
33	<a href="#">consecutive number sum</a>		
34	<a href="#">minimum domino rotation for equal row</a>		
35	<a href="#">multiply strings</a>		
36	<a href="#">smallest range from k lists</a>		
37	<a href="#">pascal triangle 2</a>		
38	<a href="#">max sum of two non overlapping subarrays</a>		
39	<a href="#">maximize distance to closest person</a>		
40	<a href="#">Subarrays with k different integers</a>		

41	<a href="#">Icing on cake</a>		
42	<a href="#">search in rotated sorted array</a>		
43	<a href="#">split array largest sum</a>		
44	<a href="#">counting sort</a>		
45	<a href="#">capacity to ship within D days</a>		
46	<a href="#">insertion sort</a>		
47	<a href="#">koko eating bananas</a>		
48	<a href="#">median of two sorted array</a>		
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51	<a href="#">wiggle sort</a>		
52	<a href="#">best meeting points</a>		
	<b>Graph</b>		
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2	<a href="#">Bipartite graph</a>		
3	<a href="#">DFS</a>		
4	<a href="#">detect cycle in undirected graph</a>		
5	<a href="#">Prim's Algo</a>		
6	<a href="#">Dijkstra algo</a>		
7	<a href="#">chef and reversing</a>		
8	<a href="#">Bus routes</a>		
9	<a href="#">evaluate division</a>		
10	<a href="#">topological sorting</a>		
11	<a href="#">Kahn's algo</a>		
12	<a href="#">course schedule 2</a>		
13	<a href="#">Strongly Connected Components (Kosaraju's Algo)</a>		
14	<a href="#">Mother Vertex</a>		
15	<a href="#">Rotting Oranges</a>		
16	<a href="#">bellman ford</a>		
17	<a href="#">Number of Islands</a>		
18	DSU		
19	<a href="#">Number of Enclaves</a>		
20	<a href="#">Most Stones Removed with Same Row or Column</a>		
21	<a href="#">Regions Cut By Slashes</a>		
22	<a href="#">Kruskal's algo</a>		
23	<a href="#">Articulation point</a>		
24	<a href="#">Doctor Strange</a>		
25	<a href="#">Satisfiability of Equality Equations</a>		
26	<a href="#">0-1 matrix</a>		
27	<a href="#">Word Ladder</a>		
28	<a href="#">Job Sequencing</a>		
29	<a href="#">Eulerian Path in an Undirected Graph</a>		
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31	<a href="#">Castle RUN</a>		
32	<a href="#">Sentence Similarity II</a>		
33	<a href="#">Number of Distinct Islands</a>		
34	<a href="#">Number of Islands II</a>		
35	<a href="#">Parallel courses</a>		
36	<a href="#">optimize water distribution in village</a>		
37	<a href="#">connecting cities with minimum cost</a>		
	<b>Dynamic programming</b>		
1	<a href="#">Minimize Malware Spread</a>		
2	<a href="#">climbing stairs</a>		
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11	<a href="#">building bridges</a>		
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13	<a href="#">max sum alternating subsequence</a>		
14	<a href="#">best time to buy and sell stock</a>		
15	<a href="#">best time to buy and sell 2</a>		
16	<a href="#">best time to buy and sell 3</a>		
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20	<a href="#">Ugly number</a>		
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22	<a href="#">Domino and tromino tiling</a>		
23	<a href="#">Wildcard pattern matching</a>		
24	<a href="#">Regular expression matching</a>		
25	<a href="#">Count all pallindromic subsequences</a>		
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29	<a href="#">Count of binary string without consecutive 1</a>		
30	<a href="#">Max sum with no 2 adjacent element</a>		
31	<a href="#">Pizza with 3n slices</a>		
32	<a href="#">LCS triplet</a>		
34	<a href="#">Edit distance</a>		
35	<a href="#">Frog jump</a>		
36	<a href="#">Friends pairing problem</a>		

37	<a href="#">Partition of sets into k subsets</a>		
38	<a href="#">Can i win</a>		
39	<a href="#">Knight probability</a>		
40	<a href="#">Temple offering</a>		
41	<a href="#">Highway billboard problem</a>		
42	<a href="#">No. of sequence of type <math>a^i+b^j+c^k</math></a>		
43	<a href="#">boolean parenthesization</a>		
44	<a href="#">Min and max with + and *</a>		
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51	<a href="#">Maximum sum of 3 non overlapping subarrays</a>		
52	<a href="#">Remove min element according to constraint</a>		
53	<a href="#">Scramble string</a>		
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55	<a href="#">2 keys keyboard</a>		
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58	<a href="#">Word break</a>		
59	<a href="#">burst balloons</a>		
60	<a href="#">Encode string with shortest length</a>		
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62	<a href="#">String is k pallindromic or not</a>		
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65	<a href="#">minimal moves to form a string</a>		
66	<a href="#">Paint fence</a>		
67	<a href="#">Paint house</a>		
68	<a href="#">Paint house 2</a>		
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8	<a href="#">Johnson's algorithm</a>		
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