

			NADOS (PepCoding) Level 1 Q's in Leetcode
	TOPICS		Level 1
			Leetcode Questions Links
			approx 150 questions
	Function & Array		
	1 Find Element In An Array		
	2 Sum Of Two Arrays		
	3 Reverse a array		
	4 Rotate an Array		
	5 Subarray Problem		https://leetcode.com/problems/maximum-subarray/
	6 Subsets of an Array		https://leetcode.com/problems/subsets/
	7 First Index and Last Index		https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/
	2-D Arrays		
	1 Matrix Multiplication		
	2 Spiral Matrix		https://leetcode.com/problems/spiral-matrix/
	3 Exit of point of matrix		https://leetcode.com/problems/01-matrix/
	4 Rotate By 90 Degree		https://leetcode.com/problems/rotate-image/
	5 Search in 2D Matrix		https://leetcode.com/problems/search-a-2d-matrix/
			https://leetcode.com/problems/search-a-2d-matrix-ii/
	6 Ring rotate		
	String, Dynamic String and Dynamic Array		
	1 Palindromic SubStrings		https://leetcode.com/problems/palindromic-substrings/
	2 Toggle Optica Document		https://leetcode.com/problems/to-lower-case/
	3 String With Difference Of Every Two Consecutive Characters		https://leetcode.com/problems/consecutive-characters/
	4 Permutation of Strings		
	Recursion And Backtracking		
	1 Factorial		
	2 Power-linear		https://leetcode.com/problems/power-of-two/
	3 Tower Of Hanoi		
	4 First Index , Last Index		https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/
	5 All Indices Of Array		https://leetcode.com/problems/find-all-k-distant-indices-in-an-array/
	6 Get Subsequence		https://leetcode.com/problems/is-subsequence/
	7 get kpc		https://leetcode.com/problems/letter-combinations-of-a-phone-number
	8 Get Stair Paths		https://leetcode.com/problems/climbing-stairs/
	9 Get Maze Paths		https://leetcode.com/problems/unique-paths/

10	Get Maze Path With Jumps	https://leetcode.com/problems/jump-game/
11	Print Permutations	https://leetcode.com/problems/permutations/
12	Flood Fill	https://leetcode.com/problems/flood-fill/
13	Target Sum subset	https://leetcode.com/problems/target-sum/
14	N Queen	https://leetcode.com/problems/n-queens/
15	Kinght Tour	https://leetcode.com/problems/knight-probability-in-chessboard/
	Time and Space Complexity	
1	Bubble Sort	
2	Selection Sort	
3	Insertion Sort	
4	Merge two sorted array	https://leetcode.com/problems/merge-sorted-array/
5	Merge Sort	
6	Partition An Array	
7	Quick Sort	
8	Quick Select	https://leetcode.com/tag/quickselect/
9	Count Sort	https://leetcode.com/tag/counting-sort/
10	Radix Sort	https://leetcode.com/tag/radix-sort/
11	Sort 0 & 1	
12	Sort 0 & 1 & 2	https://leetcode.com/problems/sort-colors/
13	Target Sum Pair 1	
14	Pivot In Sorted And Rotated Array	https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/
	Stacks And Queues	
1	Duplicate Brackets	https://leetcode.com/problems/valid-parentheses/
2	Balanced Brackets	https://practice.geeksforgeeks.org/problems/valid-expression1025/1/
3	Next Greater element to the right	https://leetcode.com/problems/next-greater-element-i/
		https://leetcode.com/problems/next-greater-element-ii/
		https://leetcode.com/problems/next-greater-element-iii/
4	Stock Span	https://leetcode.com/problems/online-stock-span/
5	Largest Area Histogram	https://leetcode.com/problems/largest-rectangle-in-histogram/
6	Sliding Window Maximum	https://leetcode.com/problems/sliding-window-maximum/
7	Infix Conversion	https://leetcode.com/problems/basic-calculator/
		https://leetcode.com/problems/basic-calculator-ii/
8	Celebrity Problem	
9	Merge Overlapping Interval	https://leetcode.com/problems/merge-intervals/
10	Smallest Number Following Pattern	https://leetcode.com/problems/132-pattern/solution/
11		

12	Dynamic Stack	https://leetcode.com/problems/build-an-array-with-stack-operations/
13	Minimum Stack	https://leetcode.com/problems/min-stack/
14	Minimum Stack - Constant time and space	
15	Normal Queue	https://leetcode.com/problems/implement-queue-using-stacks/
16	Two stacks in an array	
	LinkedList	
1	Display A Linkedlist	https://leetcode.com/problems/design-linked-list/
2	Reverse a linked List - Iteratively	
3	Reverse a linked List - Recursive	
4	Kth Node from End of the linked list	
5	Mid Of Linked List	https://leetcode.com/problems/middle-of-the-linked-list/
6	Merge two sorted linked list	https://leetcode.com/problems/merge-two-sorted-lists/
7	Merge Sort A Linked List	https://leetcode.com/problems/sort-list/
8	Remove Duplicates In A Sorted Linked List	https://leetcode.com/problems/remove-duplicates-from-sorted-list/
9	Odd Even Linked List	https://leetcode.com/problems/odd-even-linked-list/
10	K Reverse In Linked List	https://leetcode.com/problems/reverse-nodes-in-k-group/
11	Is linked list is a Palindrome	https://leetcode.com/problems/palindrome-linked-list/
12	Fold A Linked List	https://leetcode.com/problems/reorder-list/
13	Add Two Linked Lists	https://leetcode.com/problems/add-two-numbers/
14	Intersection Point Of Linked Lists	https://leetcode.com/problems/intersection-of-two-linked-lists/
	Generic Tree	
1	Generic Tree Traversals - Pre,In and Post	
2	Levelorder Linewise (generic Tree)	https://leetcode.com/problems/n-ary-tree-level-order-traversal/
3	Levelorder Linewise Zig Zag	https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/
4	Mirror A Generic Tree	https://leetcode.com/problems/symmetric-tree/
5	Remove Leaves In Generic Tree	https://leetcode.com/problems/delete-leaves-with-a-given-value/
6	Linearize A Generic Tree	https://leetcode.com/problems/flatten-binary-tree-to-linked-list/
7	Node to Root Path in a Generic Tree	https://leetcode.com/problems/binary-tree-paths/
8	Lowest Commom Ancestor in Generic Tree	https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/
9	Distance between two nodes in a Generic Tree	
10	Are trees Similar in Shape	https://leetcode.com/problems/same-tree/
11	Are trees mirror in Shape	
12	Is Generic Tree Symmetric	https://leetcode.com/problems/symmetric-tree/
13	Predecessor and Sucessor of an element	

14	kth Largest Element in a Tree	https://leetcode.com/problems/kth-smallest-element-in-a-bst/
15	Node With Maximum Subtree Sum	https://leetcode.com/problems/most-frequent-subtree-sum/
16	Diameter Of Generic Tree	https://leetcode.com/problems/diameter-of-n-ary-tree/
17	Iterative Preorder And Postorder Of Generic Tree	https://leetcode.com/problems/n-ary-tree-preorder-traversal/
		https://leetcode.com/problems/n-ary-tree-postorder-traversal/
	Binary Tree	
1	Size,Sum,Maximum & Height of Binary Tree	https://leetcode.com/problems/maximum-depth-of-binary-tree/
		https://leetcode.com/problems/count-complete-tree-nodes/
2	Level Order Traversal of a Binary tree	https://leetcode.com/problems/binary-tree-level-order-traversal/
		https://leetcode.com/problems/binary-tree-level-order-traversal-ii/
3	Iterative (Pre,Post and In) Order Traversal of a Binary Tree	https://leetcode.com/problems/binary-tree-preorder-traversal/
		https://leetcode.com/problems/binary-tree-postorder-traversal/
		https://leetcode.com/problems/binary-tree-inorder-traversal/
4	Find and Node to root path in binary tree	https://leetcode.com/problems/binary-tree-paths/
5	Print Nodes K Distance Away	https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/
6	Path To Leaf From Root In Range	https://leetcode.com/problems/path-sum/
		https://leetcode.com/problems/sum-root-to-leaf-numbers/
7	Print Single Child Nodes	https://leetcode.com/problems/cousins-in-binary-tree/
8	Remove Leaves In Binary Tree	https://leetcode.com/problems/delete-leaves-with-a-given-value/
9	Diameter Of A Binary Tree	https://leetcode.com/problems/diameter-of-binary-tree/
10	Tilt Of Binary Tree	https://leetcode.com/problems/binary-tree-tilt/
11	Is A Binary Search Tree	https://leetcode.com/problems/validate-binary-search-tree/
12	Largest Bst Subtree	https://leetcode.com/problems/largest-bst-subtree/
13	is Balanced Tree	https://leetcode.com/problems/balanced-binary-tree/
	Binary Search Tree	
1	Size, Sum, Max, Min, Find In Bst	https://leetcode.com/problems/maximum-sum-bst-in-binary-tree/
		https://leetcode.com/problems/search-in-a-binary-search-tree/
2	Add Node To Bst	https://leetcode.com/problems/insert-into-a-binary-search-tree/
3	Remove Node From Bst	https://leetcode.com/problems/delete-node-in-a-bst/
4	Replace With Sum Of Larger	https://leetcode.com/problems/binary-search-tree-to-greater-sum-tree/
5	Lca of Bst	https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/
6	Print in Range	https://practice.geeksforgeeks.org/problems/print-bst-elements-in-given-range/1/
7	Target Sum Pair In Bst	https://leetcode.com/problems/two-sum-iv-input-is-a-bst/
	Graphs	
1	Has Path?	https://leetcode.com/problems/find-if-path-exists-in-graph/

2	Print all Paths	https://leetcode.com/problems/all-paths-from-source-to-target/
3	Get connected component in a graph	https://leetcode.com/problems/number-of-operations-to-make-network-connected/
4	Is Connected graph	https://leetcode.com/problems/keys-and-rooms
5	Number Of Islands	https://leetcode.com/problems/number-of-islands/
6	Perfect Friends	https://leetcode.com/problems/number-of-provinces/
7	Hamiltonian Path And Cycle	https://leetcode.com/problems/unique-paths-iii
		https://leetcode.com/problems/cracking-the-safe
		https://leetcode.com/problems/unique-paths-ii/
		https://leetcode.com/problems/word-search-ii/
8	Knights Tour	https://leetcode.com/problems/knight-probability-in-chessboard/
		https://leetcode.com/problems/out-of-boundary-paths/
9	Breadth first traversal	https://leetcode.com/problems/shortest-path-visiting-all-nodes
10	Is graph cycle	https://leetcode.com/problems/course-schedule-ii
		https://leetcode.com/problems/redundant-connection
11	Is Graph is bipartite	https://leetcode.com/problems/is-graph-bipartite/
12	Speed of Infection	https://leetcode.com/problems/minimize-malware-spread/
13	Minimum wires connected to all PCs	https://leetcode.com/problems/number-of-operations-to-make-network-connected/
	Hashmap And Heap	
1	Highest Frequency Character	https://leetcode.com/problems/sort-characters-by-frequency/
2	Get common elements - 1	https://leetcode.com/problems/intersection-of-two-arrays/
3	Get common elements - 2	https://leetcode.com/problems/intersection-of-two-arrays-ii/
4	Longest Consecutive Sequence	https://leetcode.com/problems/longest-consecutive-sequence/
5	K Largest Elements	https://leetcode.com/problems/kth-largest-element-in-an-array/
6	Sort K-Sorted Array	
7	Median Priority Queue(Heap)	https://leetcode.com/problems/find-median-from-data-stream/
8	Merge K Sorted Lists	https://leetcode.com/problems/merge-k-sorted-lists/
9	write hashmap	https://leetcode.com/problems/design-hashmap/
	Dynamic Programming And Greedy	
1	Fibonacci Number using DP	https://leetcode.com/problems/fibonacci-number/
2	Climbing Stairs	https://leetcode.com/problems/climbing-stairs/
		https://leetcode.com/problems/min-cost-climbing-stairs/
3	Minimum Cost in maze Traversal	https://leetcode.com/problems/minimum-path-sum/
4	Goldmine	https://leetcode.com/problems/path-with-maximum-gold/
5	Target Sub Subset - Dp	https://leetcode.com/problems/target-sum/
6	Coin Change Combinations	https://leetcode.com/problems/coin-change/
		https://leetcode.com/problems/coin-change-2/
7	Coing Change Pemutations	https://leetcode.com/problems/combination-sum-iv

8	0 & 1 Knapsack Problem		
9	Unbounded Knapsack		
10	Fractional Knapsack		
11	Unbounded Knapsack		https://leetcode.com/problems/coin-change
12	Fractional Knapsack - Official		
13	Count Binary String		https://leetcode.com/problems/count-binary-substrings/
14	Arrange Buildings		https://leetcode.com/problems/the-skyline-problem/
15	Count Encodings		https://leetcode.com/problems/decode-ways/
16	Count A+b+c+ Subsequences		https://leetcode.com/problems/distinct-subsequences/
17	Maximum SUM without Adjacents		
18	Paint House		https://leetcode.com/problems/paint-house/
19	Paint Hosue - Many colors		https://leetcode.com/problems/paint-house-iii/
20	Paint Fence		https://leetcode.com/problems/paint-fence/
21	Tiling with 2*1 Tiles		https://leetcode.com/problems/domino-and-tromino-tiling/
22	Tiling with M*1 Tiles		
23	Friends Pairing		
24	Partition Into Subsets		https://leetcode.com/problems/partition-to-k-equal-sum-subsets/
25	Buy and Sell Stocks		https://leetcode.com/problems/best-time-to-buy-and-sell-stock/
			https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/
			https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iii/
			https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iv/