

		Problem	Youtube	Practice	Difficulty
Step 16	Dynamic Programming				
Lec1	Introduction to DP	Dynamic Programming Introduction	https://www.youtube.com/watch?v=ty80ztf0DNY	https://www.geeksforgeeks.org/problem	Medium
Lec2	1D DP	Climbing Stars	https://www.youtube.com/watch?v=EgG3jsGoPyQ	https://leetcode.com/problems/climbing	Medium
		Frog Jump(DP-3)	https://www.youtube.com/watch?v=EgG3jsGoPyQ	https://www.geeksforgeeks.org/problem	Medium
		Frog Jump with k distances(DP-4)	https://www.youtube.com/watch?v=Kmh3rhyE1B8	https://www.geeksforgeeks.org/problem	Medium
		Maximum sum of non-adjacent elements (DP 5)			
		House Robber (DP 6)	https://www.youtube.com/watch?v=GrMBfJnK_NY	https://leetcode.com/problems/house-robber	Medium
			https://www.youtube.com/watch?v=3WaxQMELSkw	https://leetcode.com/problems/house-robber-ii	Medium
Lec3	2D/3D DP and DP on Grids	Ninja's Training (DP 7)	https://youtu.be/AE39pJYuRog	https://www.geeksforgeeks.org/problem	Medium
		Grid Unique Paths : DP on Grids (DP8)	https://youtu.be/sdE0A2Qxofw	https://leetcode.com/problems/unique-paths	Medium
		Grid Unique Paths 2 (DP 9)	https://youtu.be/TmhpgXSclYy	https://leetcode.com/problems/unique-paths-ii	Medium
		Minimum path sum in Grid (DP 10)	https://youtu.be/_rgTlvykiuQ	https://leetcode.com/problems/minimum-path-sum	Medium
		Minimum path sum in Triangular Grid (DP 11)	https://youtu.be/SrP-PiLSYC0	https://leetcode.com/problems/minimum-path-sum-triangular	Medium
		Minimum/Maximum Falling Path Sum (DP-12)	https://youtu.be/N_aJ5qObYAO	https://leetcode.com/problems/minimum-falling-path-sum	Medium
		3-d DP : Ninja and his friends (DP-13)	https://youtu.be/QGfn7JeXK54	https://www.geeksforgeeks.org/problem	Medium
Lec4	DP on Subsequences	Subset sum equal to target (DP- 14)	https://youtu.be/fW9XnDm1zRI	https://www.geeksforgeeks.org/problem	Medium
		Partition Equal Subset Sum (DP- 15)	https://youtu.be/7win3dcgo3k	https://leetcode.com/problems/partition-equal-subset-sum	Medium
		Partition Set Into 2 Subsets With Min Absolute Sum Diff (DP- 16)	https://youtu.be/GS_OgZb2CWc	https://leetcode.com/problems/partition-array-into-two-subsets-with-minimum-absolute-difference	Medium
		Count Subsets with Sum K (DP - 17)	https://youtu.be/ZHyb-A2Mte4	https://www.geeksforgeeks.org/problem	Medium
		Count Partitions with Given Difference (DP - 18)	https://youtu.be/zoiIQD1kYSg	https://www.geeksforgeeks.org/problem	Medium
		Assign Cookies	https://youtu.be/DIX2p7vb9co	https://leetcode.com/problems/assign-cookies	Hard
		Minimum Coins (DP - 20)	https://youtu.be/myPeWb3Y68A	https://leetcode.com/problems/coin-change	Hard
		Target Sum (DP - 21)	https://youtu.be/b3GD8263-PQ	https://leetcode.com/problems/target-sum	Medium
		Coin Change 2 (DP - 22)	https://youtu.be/HgyouUi11zk	https://leetcode.com/problems/coin-change-2	Hard
		Unbounded Knapsack (DP - 23)	https://youtu.be/OgvOZ6F0rJoY	https://www.geeksforgeeks.org/problem	Hard
		Rod Cutting Problem (DP - 24)	https://youtu.be/mO8XpGoJwu0	https://www.geeksforgeeks.org/problem	Hard
Lec5	DP on Strings	Longest Common Subsequence (DP - 25)	https://youtu.be/NPZn9JBrX8U	https://leetcode.com/problems/longest-common-subsequence	Hard
		Print Longest Common Subsequence (DP - 26)	https://youtu.be/-zldmrfZPb4	https://www.geeksforgeeks.org/problem	Hard
		Longest Common Substring (DP - 27)	https://youtu.be/_wp9mWNPf5w	https://www.geeksforgeeks.org/problem	Hard
		Longest Palindromic Subsequence (DP-28)	https://youtu.be/6i_T5kklfv4A	https://leetcode.com/problems/longest-palindromic-subsequence	Hard
		Minimum insertions to make string palindrome DP-29	https://youtu.be/xP6LEj41rfU	https://leetcode.com/problems/minimum-insertions-to-make-a-string-palindrome	Hard
		Minimum Insertions/Deletions to Convert String (DP- 30)	https://youtu.be/yMnH0jriR0Q	https://leetcode.com/problems/delete-and-restore-string	Hard
		Shortest Common Supersequence (DP - 31)	https://youtu.be/xEixAuBcvsl	https://leetcode.com/problems/shortest-common-supersequence	Hard
		Distinct Subsequences (DP-32)	https://youtu.be/nVG7eTiD2bY	https://leetcode.com/problems/distinct-subsequences	Hard
		Edit Distance (DP-33)	https://youtu.be/fJaK08FbDdo	https://leetcode.com/problems/edit-distance	Hard
		Wildcard Matching (DP-34)	https://youtu.be/ZmlQ3vgAQMo	https://leetcode.com/problems/wildcard-matching	Hard
Lec6	DP on Stocks	Best Time to Buy and Sell Stock (DP-35)	https://youtu.be/excAQovwf_Wk	https://leetcode.com/problems/best-time-to-buy-and-sell-stock	Hard
		Buy and Sell Stock - II (DP-36)	https://youtu.be/nGjmkxUJQG5	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii	Hard
		Buy and Sell Stocks III (DP-37)	https://youtu.be/-uQGzhYj8RQ	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iii	Hard
		Buy and Stock Sell IV (DP-38)	https://youtu.be/IV1dHbkSCDc	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iv	Hard
		Buy and Sell Stocks With Cooldown (DP-39)	https://youtu.be/Gie46xw3YY	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-with-cooldown	Hard
		Buy and Sell Stocks With Transaction Fee (DP-40)	https://youtu.be/k4eK_vEmnKg	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-with-transaction-fee	Hard
Lec7	DP on LIS	Longest Increasing Subsequence (DP-41)	https://youtu.be/ekcwMsSizVc	https://leetcode.com/problems/longest-increasing-subsequence	Hard
		Printing Longest Increasing Subsequence (DP-42)	https://youtu.be/iFYfonAFGc	https://www.geeksforgeeks.org/problem	Hard
		Longest Increasing Subsequence (DP-43)	https://youtu.be/on2hvx8XJH4	https://www.geeksforgeeks.org/problem	Hard
		Largest Divisible Subset (DP-44)	https://youtu.be/gDuZwBW9VvM	https://leetcode.com/problems/largest-divisible-subset	Hard
		Longest String Chain (DP-45)	https://youtu.be/Y8IBaYcc4g	https://leetcode.com/problems/longest-string-chain	Hard
		Longest Bitonic Subsequence (DP-46)	https://youtu.be/y4vNOWNdrIq	https://www.geeksforgeeks.org/problem	Hard
		Number of Longest Increasing Subsequences (DP-47)	https://youtu.be/cKV1TFdNXg	https://leetcode.com/problems/number-of-longest-increasing-subsequences	Hard
Lec8	MCM DP Partition DP	Matrix Chain Multiplication (DP-48)	https://youtu.be/vRVfmbCFW7Y	https://www.geeksforgeeks.org/problem	Hard
		Matrix Chain Multiplication Bottom-Up (DP-49)	https://youtu.be/pDCXsbAw5Cg	https://www.geeksforgeeks.org/problem	Hard
		Minimum Cost to Cut the Stick (DP-50)	https://youtu.be/xwomaysC86c	https://leetcode.com/problems/minimum-cost-to-cut-a-stick	Hard
		Burst Balloons (DP-51)	https://youtu.be/Yx4lDSlIkn	https://leetcode.com/problems/burst-balloons	Hard
		Evaluate Boolean Expression to True (DP-52)	https://youtu.be/MM7XKopgyiw	https://leetcode.com/problems/parsing-a-boolean-expression	Hard
		Palindrome Partitioning - II (DP-53)	https://youtu.be/_H8V5hJUGd0	https://leetcode.com/problems/palindrome-partitioning-ii	Hard
		Partition Array for Maximum Sum (DP-54)	https://youtu.be/PhWWjmakfMc	https://leetcode.com/problems/partition-array-for-maximum-sum	Hard
Lec9	DP on Squares	Maximum Rectangle Area with all 1's (DP-55)	https://youtu.be/tOyIVCugy9k	https://leetcode.com/problems/maximal-area-of-square	Hard
		Count Square Submatrices with All Ones (DP-56)	https://youtu.be/auS1fynpnjq	https://leetcode.com/problems/count-square-submatrices-with-all-ones	Hard
Step 17	Tries				
Lec1	Theory	Implement TRIE INSERT SEARCH STARTSWITH	https://youtu.be/dBGUmUQhjaM	https://leetcode.com/problems/implement-trie	Hard
Lec2	Problems	Implement Trie - 2 (Prefix Tree)		https://www.naukri.com/code360/problems/implement-trie-ii	Hard
		Longest String with All Prefixes	https://youtu.be/AwN8a91ThI	https://www.naukri.com/code360/problems/longest-string-with-all-prefixes	Medium
		Number of Distinct Substrings in a String	https://youtu.be/RV0QeTyH2xo	https://www.naukri.com/code360/problems/number-of-distinct-substrings-in-a-string	Hard
		Bit PreRequisites for TRIE Problems	https://youtu.be/SiyuU4hQFrw	https://www.geeksforgeeks.org/problem	Hard
		Maximum XOR of two numbers in an array	https://youtu.be/EIhAwfHubE8	https://leetcode.com/problems/maximum-xor-of-two-numbers-in-an-array	Medium
		Maximum XOR With an Element From Array	https://youtu.be/Q8lhG9PI5KM	https://leetcode.com/problems/maximum-xor-with-an-element-from-array	Hard
Step 18	Strings				
Lec1	Hard Problems	Minimum number of bracket reversals needed to make an expression balanced		https://leetcode.com/problems/minimum-number-of-bracket-reversals-needed-to-make-an-expression-balanced	Medium
		Count and say		https://leetcode.com/problems/count-and-say	Medium
		Hashing In Strings Theory		https://www.geeksforgeeks.org/problem	Medium
		Rabin Karp		https://leetcode.com/problems/repeated-substring-pattern	Hard
		Z-Function		https://leetcode.com/problems/finding-the-length-of-the-longest-palindrome	Easy
		KMP algo / LPS(p _i) array		https://leetcode.com/problems/finding-the-length-of-the-longest-palindrome	Hard
		Shortest Palindrome		https://leetcode.com/problems/shortest-palindrome	Hard
		Longest happy prefix		https://leetcode.com/problems/longest-happy-prefix	Hard
		Count palindromic subsequence in given string		https://www.geeksforgeeks.org/problem	Hard