**Ram Ram Coders!**

**Suggestions for optimal use**

* Follow the questions in a serial wise manner for optimal results.
* You can follow the playlists as you wish, but our suggestion for optimal results is the manner as given below.
* For doubts(academic/non academic), our link to social media handles are given as follows:

[Telegram](https://t.me/+wSYWX-gbgoRjNmNl) , [Instagram](https://www.instagram.com/bro_codrs/) ,[YouTube](https://www.youtube.com/channel/UCgUzS19z-GH14lFKEzCryvw)

Hope you achieve great heights

Achhe Placement ka sapna bhul nhi jaana re

**Maths**

1. [Find factors check for prime.](https://www.youtube.com/watch?v=O9Ceml80V5o&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=1)
2. [Prime Sum](https://www.youtube.com/watch?v=s7qndqie2Es&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=2)
3. [Missing Number in an array](https://www.youtube.com/watch?v=vz43afY6u0c&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=3)
4. [Trailing zeroes in a factorial.](https://www.youtube.com/watch?v=zUuLh6x1i6M&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=4)
5. [Next similar number.](https://www.youtube.com/watch?v=-h1FHkDxpKs&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=5)
6. [Missing two numbers.](https://www.youtube.com/watch?v=E-mvXIaF8oQ&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=6)
7. [nCr.](https://www.youtube.com/watch?v=UCgGqMGIQ7U&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=7)
8. [Unique Paths.](https://www.youtube.com/watch?v=BEUuAERDtzk&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=8)
9. [LCM and GCD.](https://www.youtube.com/watch?v=IcyTkpjhQHI&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=9)
10. [Smallest positive number that cannot be represented as a sum.](https://www.youtube.com/watch?v=AZcRUDQOGgw&list=PLjeQ9Mb66hM3hgJfIvc32sTRQOpZ2SXxC&index=10)

**Arrays**

1. [Left And Right Rotate](https://www.youtube.com/watch?v=f-Kfg6ujpG8&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae)
2. [2-Sum](https://www.youtube.com/watch?v=7vlfm6wcIXg&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=2)
3. [Remove Duplicates From Sorted Array.](https://www.youtube.com/watch?v=QMvCW4-vR0E&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=3)
4. [Wave Array.](https://www.youtube.com/watch?v=IdEA4hsOEtM&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=4)
5. [Possible Triangle Triplet.](https://www.youtube.com/watch?v=2e1LUkZoTiE&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=5)
6. [Find Pivot Index](https://www.youtube.com/watch?v=UWQmVkkgPtM&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=6)
7. [3 Sum Closest](https://www.youtube.com/watch?v=3t1AOF0vj5s&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=7)
8. [Merge Sorted Array](https://www.youtube.com/watch?v=TaHrkGky_xQ&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=8)
9. [Sort Colors](https://www.youtube.com/watch?v=zW0Mc-8KfaY&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=9)
10. [Binary search Introduction](https://www.youtube.com/watch?v=h-CRoBDyQyY&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=10)
11. [Forest Search](https://www.youtube.com/watch?v=tqQsox4ixdE&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=11)
12. [Painters Partitioning](https://www.youtube.com/watch?v=rnRDBZrnSsw&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=12)
13. [Allocate Minimum Number of Pages](https://www.youtube.com/watch?v=klDO1F6dbF8&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=13)
14. [Find Missing in 2D Array](https://www.youtube.com/watch?v=BCuO65BNRX0&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=14)
15. [Sort An Array According To Other](https://www.youtube.com/watch?v=9TzL-5Ysscs&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=15)
16. [Largest Sum Contiguous Subarray](https://www.youtube.com/watch?v=Oc_KDKkj6fY&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=16)
17. [Stock Buy and Sell](https://www.youtube.com/watch?v=DNkYeV_XFVg&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=17)
18. [Sliding Window Technique](https://www.youtube.com/watch?v=OzjTiXj-pAc&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=18)
19. [Maximum Number of Vowels in a Substring](https://www.youtube.com/watch?v=qmyMUr6wF2w&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=19)
20. [Sliding Window Maximum](https://www.youtube.com/watch?v=VlEDbLbd_Lk&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=20)
21. [Jump Game](https://www.youtube.com/watch?v=C2SXPhEZ_38&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=21)
22. [Search in Rotated Sorted Array](https://www.youtube.com/watch?v=xI8ZHQNufNI&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=22)
23. [Lower Bound And Upper Bound - STL](https://www.youtube.com/watch?v=fG7G89c8LPQ&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=23)
24. [Rotate Image](https://www.youtube.com/watch?v=yuwSf2I1SVw&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=32)
25. [Matrix Multiplication](https://www.youtube.com/watch?v=fObzb1vSxkY&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=24)
26. [Sort The Matrix Diagonally](https://www.youtube.com/watch?v=qDPHQOQsX3s&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=25)
27. [Search in a row column Sorted matrix](https://www.youtube.com/watch?v=Akr3FMOQpjE&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=26)
28. [Is Sudoku Valid](https://www.youtube.com/watch?v=dx0qjcFAx-c&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=27)
29. [Row With Max 1’s](https://www.youtube.com/watch?v=5fmwbs93Y0w&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=28)
30. [Set Matrix Zeroes](https://www.youtube.com/watch?v=3ylBTHCiihw&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=29)
31. [Trapping Rain Water](https://www.youtube.com/watch?v=FFVoOxK7wYw&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=30)
32. [Spiral Matrix](https://www.youtube.com/watch?v=CywIodsJI7w&list=PLjeQ9Mb66hM33kyoJjJbHf72Rb0G70Sae&index=31)

**Hashing**

1. [Intro to hash-maps.](https://www.youtube.com/watch?v=hCRY2gYy_7c&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn)
2. [Longest sub-array with zero sum.](https://www.youtube.com/watch?v=BgOVNdz8gzs&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=2)
3. [Longest sub-array with zero sum-2.](https://www.youtube.com/watch?v=2qGPDgNJWx8&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=3)
4. [Check if a string is isogram](https://www.youtube.com/watch?v=LwLbAm5w-so&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=4)
5. [Anagrams.](https://www.youtube.com/watch?v=RR2RlM5uRro&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=5)
6. [Longest substring without repeating characters.](https://www.youtube.com/watch?v=TduQ5TMq3HE&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=6)
7. [Array subset of another array.](https://www.youtube.com/watch?v=IXNehN0u4tg&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=7)
8. [Longest consecutive subsequence.](https://www.youtube.com/watch?v=BBWOaQX8cW0&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=8)
9. [Sum equals to sum.](https://www.youtube.com/watch?v=AEBb7hkJ9SQ&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=9)
10. [Find all pairs with a given sum.](https://www.youtube.com/watch?v=7luS4yInXnk&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=10)
11. [Zero sum sub-arrays.](https://www.youtube.com/watch?v=OmEwZB5SBkE&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=11)
12. [Longest sub-array with at most k distinct elements.](https://www.youtube.com/watch?v=8wIZSIRwJaQ&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=12)
13. [Top k frequent elements.](https://www.youtube.com/watch?v=FRMaJpfDT1Q&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=13)
14. [Sub-arrays with k distinct integers.](https://www.youtube.com/watch?v=utbQQr1U7bM&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=14)
15. [Find largest d in the array such that a+b+c=d.](https://www.youtube.com/watch?v=psRAfAIWhYY&list=PLjeQ9Mb66hM24mqMtKAS_I8AFK2AznuRn&index=15)

**Strings**

1. [Reverse Words in a given Strings.](https://www.youtube.com/watch?v=Bo4oHP7c_Gc&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy)
2. [Add Strings](https://www.youtube.com/watch?v=7pEVjtzmL4s&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=3)
3. [Integer To Roman](https://www.youtube.com/watch?v=npXYNjtr1mM&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=3)
4. [Recursively Remove All Adjacent Duplicates](https://www.youtube.com/watch?v=e6qvg0t1nh0&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=4)
5. [Implement Atoi](https://www.youtube.com/watch?v=TF0ELh6fpWo&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=5)
6. [Remove All Adjacent Duplicates in String](https://www.youtube.com/watch?v=U1BYtpfZFeg&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=6)
7. [Longest Palindrome Substring](https://www.youtube.com/watch?v=YUbjh30QQaA&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=7)
8. [Most Important String str.find() explained.](https://www.youtube.com/watch?v=AZuZZgUrQTo&list=PLjeQ9Mb66hM05uqfKysHKi3eA5HhK7QSy&index=8)

**Stack**

1. [Parenthesis Checker](https://www.youtube.com/watch?v=R2OcFkOrZWo&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo)
2. [Evaluation Of Postfix Expression](https://www.youtube.com/watch?v=zOA-ckphZNo&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=2)
3. [Infix To Postfix](https://www.youtube.com/watch?v=-N1jbUqMaIY&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=3)
4. [Next Greater Element](https://www.youtube.com/watch?v=22Sv7oBa-38&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=4)
5. [Stock Span Problem](https://www.youtube.com/watch?v=MSyIsmlWcC4&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=5)
6. [The Celebrity Problem](https://www.youtube.com/watch?v=A6WcjOwF-W0&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=6)
7. [Min Stack](https://www.youtube.com/watch?v=RZHA_p-cmoo&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=7)
8. [Largest Rectangle in histogram](https://www.youtube.com/watch?v=9WMzrgWcM1M&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=8)
9. [Remove K Digits](https://www.youtube.com/watch?v=rgF2bxXhD6g&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=9)
10. [Maximum Rectangle](https://www.youtube.com/watch?v=PUBIzLR252Y&list=PLjeQ9Mb66hM2xKb0-iwePeFwzv5Yb5quo&index=10)

**Queue + Priority\_queue + Heap**

1. [Reverse First k Elements of Queue.](https://www.youtube.com/watch?v=4bDjhyMd2w4&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q)
2. [Stack Using Queue](https://www.youtube.com/watch?v=VroRiAiI-hU&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=2)
3. [Queue Using Two Stacks.](https://www.youtube.com/watch?v=WObVUj9bahk&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=3)
4. [First Non-Repeating Character in a Stream.](https://www.youtube.com/watch?v=k9hAPHAZP7U&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=4)
5. [Rotten Oranges.](https://www.youtube.com/watch?v=RzgSfGDgAuU&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=5)
6. [Steps By knight](https://www.youtube.com/watch?v=51kxNbDEkNw&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=6)
7. [Minimum Cost Of Ropes](https://www.youtube.com/watch?v=jaMftX9ggXk&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=7)
8. [Kth Largest Element in a stream](https://www.youtube.com/watch?v=EoD4SiN4FBs&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=8)
9. [Find Medium in A Stream](https://www.youtube.com/watch?v=gRjymhM_VNc&list=PLjeQ9Mb66hM37wIWyBxlsEKRQcLmAnO2Q&index=9)

**Greedy**

1. [Maximum product of 3 numbers.](https://www.youtube.com/watch?v=oA8GopViyI4&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V)
2. [Maximum number of toys.](https://www.youtube.com/watch?v=2X4PpCutLQQ&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=2)
3. [Minimum operations.](https://www.youtube.com/watch?v=B9neYSq8qnQ&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=3)
4. [Majority element.](https://www.youtube.com/watch?v=thCtKhVcSPg&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=4)
5. [Fractional knapsack.](https://www.youtube.com/watch?v=86jzFl5k_IE&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=5)
6. [Minimum platforms.](https://www.youtube.com/watch?v=TBlKgdYwQ4Q&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=6)
7. [Best time to buy and sell stocks.](https://www.youtube.com/watch?v=92wsPDEvj1o&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=7)
8. [Jump game 2.](https://www.youtube.com/watch?v=iHwGJXtcMzM&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=8)
9. [Policeman catch thieves.](https://www.youtube.com/watch?v=6nynhhiK3jc&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=9)
10. [Merge intervals.](https://www.youtube.com/watch?v=vsTiZn8vtYA&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=10)
11. [Minimize the heights 2.](https://www.youtube.com/watch?v=VFKgBh164HI&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=11)
12. [Disjoint intervals.](https://www.youtube.com/watch?v=1kH9iJCFVys&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=12)
13. [Gas station.](https://www.youtube.com/watch?v=pbngyoPeZko&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=13)
14. [Maximum sum of increasing order elements from n arrays.](https://www.youtube.com/watch?v=zhVqGcibAW4&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=14)
15. [Job sequencing problem.](https://www.youtube.com/watch?v=fpx-5d1Q0LY&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=15)
16. [N-meetings in one room.](https://www.youtube.com/watch?v=CgMmRSCoP-k&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=16)
17. [Coin piles.](https://www.youtube.com/watch?v=Z0i0P2k8CQY&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=17)
18. [Water the plants.](https://www.youtube.com/watch?v=D_0QMx9GXjg&list=PLjeQ9Mb66hM3-awRd9EmL4dEhNc93MG-V&index=18)

**Recursion.**

1. [Recursion beginner’s video.](https://www.youtube.com/watch?v=ELyFra2Aybs&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld)
2. [Geeco-nacci number.](https://www.youtube.com/watch?v=Wm6JLj_dKPE&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=2)
3. [Print 1 to N without using loop.](https://www.youtube.com/watch?v=RqkGA6ET9TI&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=3)
4. [Pascal’s triangle](https://www.youtube.com/watch?v=w8GAFjCvrqA&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=4)
5. [Delete middle element of stack.](https://www.youtube.com/watch?v=711EDBk4doI&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=5)
6. [Sort a stack.](https://www.youtube.com/watch?v=d-dqGr60Z6o&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=6)
7. [Power of numbers.](https://www.youtube.com/watch?v=6021UbhPEdY&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=7)
8. [Find kth bit in nth binary string](https://www.youtube.com/watch?v=lj43KYdA0gU&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=8)
9. [Josephus problem.](https://www.youtube.com/watch?v=J_mokGx9OYY&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=9)
10. [Print N-bit binary numbers having more 1s than 0s.](https://www.youtube.com/watch?v=7SrGSWp8iPA&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=10)
11. [Subset sums.](https://www.youtube.com/watch?v=bAp34iImKGM&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=11)
12. [Count good numbers.](https://www.youtube.com/watch?v=vLJjSAwN840&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=12)
13. [Generate parentheses.](https://www.youtube.com/watch?v=EN0s-vgzngc&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=13)
14. [Permutation with spaces.](https://www.youtube.com/watch?v=EOGEYQqU6JI&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=14)
15. [Predict the winner.](https://www.youtube.com/watch?v=aJkl8u32B88&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=15)
16. [Tower of Hanoi.](https://www.youtube.com/watch?v=lir7EZo0__k&list=PLjeQ9Mb66hM3IxI4GQhrTccjDiLGYldld&index=16)

**Linked List**

1. [Reverse Linked List](https://www.youtube.com/watch?v=l2uiva3I4kE&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5)
2. [Delete Node in Linked List](https://www.youtube.com/watch?v=aakXO6Khz4k&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=2)
3. [Middle Of the Linked List](https://www.youtube.com/watch?v=Kv2Jb88uUw0&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=3)
4. [Linked List Cycle](https://www.youtube.com/watch?v=6hCkYq7QOqs&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=4)
5. [Linked List Cycle 2](https://www.youtube.com/watch?v=I7lgEl_6IBM&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=5)
6. [Swap Nodes in pairs](https://www.youtube.com/watch?v=_Dj-DV3dm74&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=6)
7. [Add Two Numbers](https://www.youtube.com/watch?v=JWIwVyXFF68&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=7)
8. [Palindrome Linked List](https://www.youtube.com/watch?v=-3skshnxFcY&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=8)
9. [Remove Nth Node from End of List.](https://www.youtube.com/watch?v=htwdFJf59hs&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=9)
10. [Intersection of two Linked List](https://www.youtube.com/watch?v=ZxQ6TiVqH0c&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=10)
11. [Partition List.](https://www.youtube.com/watch?v=jStvpHzyUrI&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=11)
12. [Rearrange A Linked List](https://www.youtube.com/watch?v=H5Vbumzs1RY&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=12)
13. [Merge two Sorted Lists.](https://www.youtube.com/watch?v=34C3gcM2HBs&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=13)
14. [Rotate List.](https://www.youtube.com/watch?v=FoEIkvLYFPU&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=14)
15. [Reverse Nodes in k-Group.](https://www.youtube.com/watch?v=C35Inew3l2s&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=15)
16. [Sort List.](https://www.youtube.com/watch?v=a45SoRZhP8c&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=16)
17. [Copy List With Random Pointer](https://www.youtube.com/watch?v=orI4SbJ9ixg&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=17)
18. [Sorted Insert For Circular Linked List.](https://www.youtube.com/watch?v=UTdDLnw173g&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=18)
19. [Flattening a Linked List.](https://www.youtube.com/watch?v=OaxqJJCiroA&list=PLjeQ9Mb66hM3th7h2byU6TvYeF5g7P6-5&index=19)

**Binary Tree**

1. [Binary Tree – Introduction.](https://www.youtube.com/watch?v=I1EEWVbu2SA&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav)
2. [Inorder Traversal.](https://www.youtube.com/watch?v=QC7r6SpWJRI&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=2)
3. [Preorder & Postorder Traversal.](https://www.youtube.com/watch?v=qYYae9yo8bE&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=3)
4. [Maximum Depth Of Binary Tree.](https://www.youtube.com/watch?v=IbYH0LMjEYY&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=4)
5. [Binary Tree level order Traversal](https://www.youtube.com/watch?v=IbYH0LMjEYY&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=4).
6. [Level Order Traversal in Spiral Form.](https://www.youtube.com/watch?v=g332cPn6GcI&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=6)
7. [Vertical Traversal Of Binary Tree](https://www.youtube.com/watch?v=5Fp3toOJhrY&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=7)
8. [Left And Right View of Binary tree.](https://www.youtube.com/watch?v=F9wFSorNUdA&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=8)
9. [Boundary Traversal of Binary Tree.](https://www.youtube.com/watch?v=iCwvD64iFpI&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=9)
10. [Symmetric Tree.](https://www.youtube.com/watch?v=TYI9OMGACn8&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=10)
11. [Populating Next Right Pointers in Each Node.](https://www.youtube.com/watch?v=HIMw7XclsZ0&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=11)
12. [Sum Tree.](https://www.youtube.com/watch?v=RhYUJcZ_avo&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=12)
13. [Balanced Binary Tree.](https://www.youtube.com/watch?v=nefFs0XzQ1M&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=13)
14. [Lowest Common Ancestor.](https://www.youtube.com/watch?v=i7PiiZ4bqX4&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=14)
15. [Inorder Traversal.](https://www.youtube.com/watch?v=i7PiiZ4bqX4&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=14)
16. [Postorder Traversal (Iterative).](https://www.youtube.com/watch?v=b0iBGMMmx7c&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=16)
17. [Preorder Traversal (Iterative).](https://www.youtube.com/watch?v=syceHnA9gCY&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=17)
18. [Binary Tree Paths](https://www.youtube.com/watch?v=YPy50J3haT0&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=18)
19. [Burning Tree.](https://www.youtube.com/watch?v=bwN_kQoXs1c&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=19)
20. [All Nodes Distance k in Binary Tree](https://www.youtube.com/watch?v=Pk1Ch1cZo78&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=20)
21. [Diameter Of Binary Tree.](https://www.youtube.com/watch?v=ZbSADp_DbWE&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=21)
22. [Path Sum.](https://www.youtube.com/watch?v=_7KtVkYJBdo&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=22)
23. [Path Sum 2.](https://www.youtube.com/watch?v=GuuHiy8kj4Y&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=23)
24. [Contructing Binary Tree from Post/Pre/In-Order](https://www.youtube.com/watch?v=Lq_Yj5edCFw&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=24)
25. [Construct Binary Tree from Preorder & inorder.](https://www.youtube.com/watch?v=xQ0cpZM5qiQ&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=25)
26. [Binary Tree From Preorder & Postorder.](https://www.youtube.com/watch?v=XlWJ-AxnbAk&list=PLjeQ9Mb66hM3Dforxh8YfyZ3EDwxxHzav&index=26)

**Binary Search Tree**

1. [Search in Binary Search Tree.](https://www.youtube.com/watch?v=AxRmy_Ri1TM&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm)
2. [Validate Binary Search Tree.](https://www.youtube.com/watch?v=7nMxrA4cgmo&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=2)
3. [Insert Into Binary Search Tree.](https://www.youtube.com/watch?v=J7D5HraxoCo&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=3)
4. [Delete Node In BST.](https://www.youtube.com/watch?v=8M8hNpPB-B0&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=4)
5. [Convert Sorted List to Binary Search Tree](https://www.youtube.com/watch?v=S-bsw2FQ7l4&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=5).
6. [Balance A Binary Search Tree.](https://www.youtube.com/watch?v=JdYoYxYunB0&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=6)
7. [Construct Binary Search Tree From Preorder Traversal.](https://www.youtube.com/watch?v=NHrbHbIi80k&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=7)
8. [Construct Binary Search Tree From Postorder Traversal.](https://www.youtube.com/watch?v=NHrbHbIi80k&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=7)
9. [Delete Nodes Greater Than K.](https://www.youtube.com/watch?v=3OepTYLWahY&list=PLjeQ9Mb66hM3Y_CXcnTLFvXvX74Fu7OKm&index=9)

**Backtracking.**

1. [Backtracking for beginners.](https://www.youtube.com/watch?v=edVEDewuBjI&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt)
2. [Flood fill algorithm.](https://www.youtube.com/watch?v=j32Jsd0MiwY&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=2)
3. [Rat in a maze.](https://www.youtube.com/watch?v=cnBuGQmnrYA&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=3)
4. [Permutations.](https://www.youtube.com/watch?v=VjGmN0w2-n8&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=4)
5. [Possible words from phone digits.](https://www.youtube.com/watch?v=UKe968q-0wI&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=5)
6. [Path with maximum gold.](https://www.youtube.com/watch?v=D4DpOvGYTAI&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=6)
7. [Word search.](https://www.youtube.com/watch?v=EKltDYCSOIc&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=7)
8. [N-queens.](https://www.youtube.com/watch?v=A6hm4WfDjeU&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=8)
9. [Sudoku.](https://www.youtube.com/watch?v=smDTs_xT7j0&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=9)
10. [Palindrome partitioning.](https://www.youtube.com/watch?v=gcamAVSQFUA&list=PLjeQ9Mb66hM1H2ENCuvhKXg74yVlrB5Bt&index=10)

**Graph**

1. [Graph Representation ( Introduction ).](https://www.youtube.com/watch?v=Jef7sV7rUQ8&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG)
2. [Graph Traversal (Adjacency List And Adjacency Matrix).](https://www.youtube.com/watch?v=pto7ASeZwew&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=2)
3. [BFS (Adjacency List).](https://www.youtube.com/watch?v=voJhqigySzQ&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=3)
4. [DFS (Adjacency List).](https://www.youtube.com/watch?v=jZ9ElEtp65o&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=4)
5. [Number Of Island](https://www.youtube.com/watch?v=ZJqlrd59Q_E&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=5).
6. [Find Whether Path Exist.](https://www.youtube.com/watch?v=CWUULAGzhvA&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=6)
7. [Snake and Ladder](https://www.youtube.com/watch?v=xgs0XJlmno8&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=7).
8. [Covid Spread.](https://www.youtube.com/watch?v=6uYyEnQ-5wo&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=8)
9. [Detect Cycle in Undirected Graph (BFS).](https://www.youtube.com/watch?v=EX7z0EszOsk&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=9)
10. [Detect Cycle in Undirected Graph (DFS)](https://www.youtube.com/watch?v=HhpXhvpWl8I&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=10)
11. [Bipartite Graph.](https://www.youtube.com/watch?v=SrE6o6E3lIs&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=11)
12. [Bipartite Graph (BFS)](https://www.youtube.com/watch?v=WATg-iVnBKM&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=12)
13. [Number Of Connected Components in Undirected Graph](https://www.youtube.com/watch?v=IkqVeKLMLco&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=13)
14. [Topological Sort.](https://www.youtube.com/watch?v=jRfYY0Uu8AU&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=14)
15. [Kahn’s Algorithm](https://www.youtube.com/watch?v=OfJrAqmEJcc&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=15)
16. [Detect Cycle in undirected Graph (DFS).](https://www.youtube.com/watch?v=Mp6xM9UDucU&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=16)
17. [Detect Cycle in Undirected Graph (BFS).](https://www.youtube.com/watch?v=hq3wtt0sGe4&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=17)
18. [Dijkstra’s Shortest path Algorithm.](https://www.youtube.com/watch?v=Lygi41518PQ&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=18)
19. [Dijkstra’s Shortest Path Algorithm (Code)](https://www.youtube.com/watch?v=WLkPfucL6-s&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=19)
20. [Introduction Of Minimum Spanning Tree](https://www.youtube.com/watch?v=dCJmXFY2poc&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=20)
21. [Introduction To Prims Algorithm.](https://www.youtube.com/watch?v=1bkBMRt_dcg&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=21)
22. [Prim's Algo Code](https://www.youtube.com/watch?v=xctQ1m63_v4&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=22)
23. [Union and Find](https://www.youtube.com/watch?v=fB8wuv7WXnI&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=23&t=568s)
24. [Kruskal's Algo](https://www.youtube.com/watch?v=XWad6Mwh7f4&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=24)
25. [Kruskal's algo-code](https://www.youtube.com/watch?v=ZDhWuunj5CI&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=25)
26. [Bellman Ford algo](https://www.youtube.com/watch?v=oDsNoDdzSdc&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=26)
27. [Bellman Ford Algo(code)](https://www.youtube.com/watch?v=_RilUqJQjLU&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=28)
28. [Strongly Connected Components(Kosaraju's Algo)](https://www.youtube.com/watch?v=mx9YY6VwuDg&list=PLjeQ9Mb66hM3mP90K41_h01OF1EN1AEgG&index=27)

**Dynamic Programming.**

1. [DP’s beginner’s video.](https://www.youtube.com/watch?v=f2Vf6ppeOx8&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn)
2. [Count ways to reach nth stair.](https://www.youtube.com/watch?v=rK4d_-V6vDg&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=2)
3. [Reach a given score.](https://www.youtube.com/watch?v=oizJTbpgAsc&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=3)
4. [Coin change.](https://www.youtube.com/watch?v=7HukJ-kKxqI&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=4)
5. [Coin change 2.](https://www.youtube.com/watch?v=vC-xD54tCtU&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=5)
6. [Counting bits.](https://www.youtube.com/watch?v=8cyuvafQvPM&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=6)
7. [Number of unique paths.](https://www.youtube.com/watch?v=fY4nPHj5GhM&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=7)
8. [Player with max score.](https://www.youtube.com/watch?v=Q2mFXvWodAU&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=8)
9. [Stickler thief.](https://www.youtube.com/watch?v=4r9sLTdvwjE&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=9)
10. [0-1 knapsack problem.](https://www.youtube.com/watch?v=ExB9gZ2eojQ&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=10)
11. [Knapsack with duplicate items.](https://www.youtube.com/watch?v=YXisiaMNT_w&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=11)
12. [Maximum sum problem.](https://www.youtube.com/watch?v=3noc7FJqTYc&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=12)
13. [Longest common subsequence.](https://www.youtube.com/watch?v=p7tvSFlWO_8&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=13)
14. [Maximum number of insertions and deletions.](https://www.youtube.com/watch?v=yOqS2LpUvCQ&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=14)
15. [Longest Palindromic subsequence.](https://www.youtube.com/watch?v=6ZaMujmChlI&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=15)
16. [Minimum cost to make two strings identical.](https://www.youtube.com/watch?v=YEKtCYjDq70&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=16)
17. [Buying vegetables.](https://www.youtube.com/watch?v=mSWYR9ggPTo&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=17)
18. [Longest increasing subsequence.](https://www.youtube.com/watch?v=WdbMFNKVHH0&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=18)
19. [Minimum number of deletions to a sorted sequence.](https://www.youtube.com/watch?v=WCIT-YNLqTU&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=19)
20. [Distinct subsequences.](https://www.youtube.com/watch?v=gxQ51eh9-Vo&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=20)
21. [Repeating subsequences.](https://www.youtube.com/watch?v=F_nKHWGIqtw&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=21)
22. [Regular expression matching.](https://www.youtube.com/watch?v=RSU6q1TAdMM&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=22)
23. [Regular expression matching 2.](https://www.youtube.com/watch?v=hJBReIjMyW0&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=23)
24. [Shortest common subsequence.](https://www.youtube.com/watch?v=lDP5rQXX_YE&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=24)
25. [Max length chain.](https://www.youtube.com/watch?v=Xz8KQB5HA04&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=25)
26. [Interleaving string.](https://www.youtube.com/watch?v=jaxLqpM0uI4&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=26)
27. [Scramble strings.](https://www.youtube.com/watch?v=8Y9UHFq9KUI&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=27)
28. [Egg dropping puzzle.](https://www.youtube.com/watch?v=S1y-MFz93LA&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=28)
29. [Intro to tabular DP.](https://www.youtube.com/watch?v=5p4M8RmeQCU&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=29)
30. [Nth Fibonacci number.](https://www.youtube.com/watch?v=vBUpBEhl0zo&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=30)
31. [Count ways to reach nth stairs.](https://www.youtube.com/watch?v=SnypRf3wslk&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=31)
32. [A DP guide.](https://www.youtube.com/watch?v=z6uDkgif_e4&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=32)
33. [Reach a given score.](https://www.youtube.com/watch?v=t0cdNq5e_l0&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=33)
34. [Coin change.](https://www.youtube.com/watch?v=qOmvr-GCox8&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=34)
35. [Coin change 2.](https://www.youtube.com/watch?v=wf0gpsOaKTk&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=35)
36. [0-1 Knapsack problem.](https://www.youtube.com/watch?v=2bnuRdiNcmI&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=36)
37. [Knapsack with duplicate items.](https://www.youtube.com/watch?v=rCdpfvg-3S0&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=37)
38. [Subset sum problem](https://www.youtube.com/watch?v=gZmIKUx9NVg&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=38)
39. [Minimum sum partition.](https://www.youtube.com/watch?v=HL1LRwRRG2U&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=39)
40. [Longest Common subsequence.](https://www.youtube.com/watch?v=Q8ABti557E8&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=40)
41. [Longest increasing subsequence.](https://www.youtube.com/watch?v=c3q3j0XQP90&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=41)
42. [Longest increasing subsequence 2.](https://www.youtube.com/watch?v=t6yVn0VP5Wc&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=42)
43. [Longest common substring.](https://www.youtube.com/watch?v=hQwU8MNTtvo&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=43)
44. [Regular expression match.](https://www.youtube.com/watch?v=m5lHypFcU68&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=44)
45. [Number of unique paths.](https://www.youtube.com/watch?v=1m91JAtDC-U&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=45)
46. [Box stacking.](https://www.youtube.com/watch?v=YoZxqKAM5wg&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=46)
47. [Predict the winner.](https://www.youtube.com/watch?v=_LhUeDkxDfA&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=47)
48. [Regular expression match.](https://www.youtube.com/watch?v=8xrtxwcaBwE&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=48)
49. [Matrix Chain Multiplication(Recursive)](https://www.youtube.com/watch?v=kbKMHGzebao&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=50&t=1422s)
50. [Matrix Chain Multiplication(Tabular)](https://www.youtube.com/watch?v=A8NHHWj-k5E&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=51)
51. [Count Palindromic Subsequences](https://www.youtube.com/watch?v=gOiv0UxPNWA&list=PLjeQ9Mb66hM1lyzsKvPoZNLOKvV0jpiUn&index=52)

**BITS MANIPULATION**

1. [Bit manipulation all you need to know.](https://www.youtube.com/watch?v=UI94HhwjnFg&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=2)
2. [Number of 1 Bits.](https://www.youtube.com/watch?v=klnI-RDIc6U&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=2)
3. [Sum of numbers without using mathematical operators.](https://www.youtube.com/watch?v=x416qKTDuaw&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=3)
4. [Reverse Bits.](https://www.youtube.com/watch?v=HMQd_fcM0Ks&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=4)
5. [Single Number.](https://www.youtube.com/watch?v=aFVmqdee6hk&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=5)
6. [Find Missing and Repeating.](https://www.youtube.com/watch?v=2RIA5mYanKo&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=6)
7. [Single Number 2.](https://www.youtube.com/watch?v=oRR29vW0fVg&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=7)
8. [Sub array with given XOR.](https://www.youtube.com/watch?v=lg7cLOP5uLk&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=8)
9. [XORing the Sub arrays.](https://www.youtube.com/watch?v=ZdBEkSIbxOs&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=9)
10. [Bit Difference.](https://www.youtube.com/watch?v=iUEvoCkPfDo&list=PLjeQ9Mb66hM0ewIZ50zJKoU8v8Wc-ODTt&index=10)

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