#ReviseWithArsh #6Companies30Days Challenge 2023 **[Updated 26st JANUARY '23]**

A Challenge to make sure you start with your goals today , don't procrastinate and don't let your college decide your future!

For complete details about the Challenge , go through the video (in Hindi) :
https://linktw.in/z8I9wr

Benefits (For the ones who complete the Challenge) :
- Top 90-100 most frequently asked and most important questions by most big tech companies will be done.
- The ones who complete this challenge will be given referrals for top tech companies and startups.
- A special surprise gift for top performers.
- Special 1 on 1 mentoring session on how to plan the things after this challenge - related to projects , revision , CS Fundamentals, Interview Tips , etc.

Rules :
- Complete 1 company (15 Questions) in 5 days and try maintaining a github repository to store all the codes which can be later used as notes .You can name the repository as #6Companies30days or #ReviseWithArsh.
- The questions provided will be on a gap of 5 days for a new company i.e from 1st to 5th Jan,6th to 10th Jan and so on.
- Completing questions in these 5 days can be in any format - 3 questions a day or maybe 6 questions a day.
- You need to start the challenge by putting in a post on LinkedIn, Instagram, Twitter   with hashtag #6Companies30days and #ReviseWithArsh and tag "Arsh Goyal" so that your entry can be tracked and you are eligible for referrals and other benefits.
- Why wait to start- start it today!

Challenge Company 1 : Microsoft
1. You are given an array of strings tokens that represents an arithmetic expression in a Reverse Polish Notation.
2. Combination Sum with a twist.
3. Bulls and Cows
4. You are given an integer array nums of length n. Return maximum length of Rotation Function.
5. Largest Divisible Subset.
6. How to find a perfect Rectangle.
7. Scheduling a Course.
8. Profitable Path in a Tree.
9. Number of Pairs satisfying Inequality.
10. Shortest Unsorted continuous Subarray
11. Number of ways to arrive at a Destination.
12. Longest Happy Prefix

13. Seat Arrangement in a SpiceJet Problem - Online OA February '22
14. Deletions to make an array divisible.
15. Substrings containing all three Characters

Challenge Company 2 : Goldman Sachs

1. Max Points on a Line
2. Valid Square
3. Factorial with Trailing Zeroes
4. Number of Boomerangs (Similar to peacocks question)
5. Split Array into Sequences
6. Minimum Consecutive Cards to pick up
7. Count Good Triplets in Array (Profits in a Startup Question)
8. Maximum Points in Archery Competition
9. Initial Public Offering
10. People and Secret
11. Invalid Transactions in an EMI
12. All elements of a binary Search Tree
13. Rhombus Sums in a GRID
14. Nice Pairs in Array (OTT Platforms and John)
15. Good People based on Statements

Company 3 : Adobe
1. Fraction to a recurring Decimal
2. Increasing Triplet Sequence
3. Kth smallest in Lexographical Order
4. Magical String
5. Non Negative Integers without consecutive ones
6. Knight in a Chessboard
7. Matching Subsequences
8. Genetic Mutation
9. Count nodes equal to average of Subtree
10. Max matrix Sum
11. Stock Price Fluctuation
12. Shortest Unsorted Continuous Subarray
13. Game of Dungeon
14. People aware of secret
15. Kth smallest Trimmed number

Company 4 : Flipkart
1. Partition to K Equal Sum Subsets
2. Sale and Offers at Flipkart BBD
3. Remove Zero Sum Consecutive Nodes
4. Winner of the Game
5. Finding the Mountain Array

6. [Number of ways to separate Numbers](#)
7. [City With the Smallest Number of Neighbors at a Threshold Distance](#)
8. [Closest Primes in Range](#)
9. [Top K frequent Words](#)
10. [Distant Barcodes](#)\
11. [The new game to Play](#)
12. [Check If a String Contains All Binary Codes of Size K](#)
13. [Max Area of Island](#)
14. [Custom String Sorting](#)
15. [House Robber - Very Imp.](#)

Company 5 : Google

1. [Maximum Consecutive Floors Without Special Floors](#)
2. [Maximum Good People Based on Statements](#)
3. [Sort an array](#)
4. [Fruit into Baskets](#)
5. [Number of Closed Islands](#)
6. [Distinct Echo Substrings](#)
7. [K divisible Array Substrings](#)
8. [Random Pick with Weight](#) (New Project at Google Play Services)
9. [Maximum Numbers of Coins you can get](#)
10. [Network Delay Time](#)
11. [Matrix Block Sum](#)
12. [Restore IP Addresses](#)
13. [Swim in rising Water](#) (Jeff and the rising hat)
14. [Strictly Palindromic Number](#)
15. [Max Compatibility Score](#)

Company 6 : Amazon
1. [Shuffle an array](#)
2. [Cheapest Flights with K stops](#) (Flight system in Europe)
3. [Split String into maximum number of Unique Substrings](#)
4. [Tweet Count per Frequency](#)
5. [Maximum sum of hourglass](#)
6. [Maximum Subarray Min Product](#) (Amazon Fresh and the team)
7. [Dota2 Senate](#)
8. [Destroying Asteroids](#)
9. [Most Popular Video Creator](#)
10. [Number of Matching Subsequences](#) (The stewart and the puppy)
11. [Number of ways to reach a position](#)
12. [Maximum Length of Repeated Subarray](#)
13. [Top K frequent words](#)
14. [Last Moment before all ants Fall out](#)
15. [Generate Random point in a circle](#)

Go ahead! All the best :) Please do share your feedbacks on Linkedin tagging @Arsh Goyal , hope this challenge was helpful :)

Next steps will be there in a new video!

College Club | Society | Training and Placement Cell Collaboration :
- If you are the **Training Placement Coordinator | Coding Club or Society Head | Lead or CSE/IT Department** and wish to take this initiative to your college , mail at **business.arshgoyal@gmail.com** with your college/club name and estimated participation and social media handles of the club/tpo (if any).
- If shortlisted , you help improve your college Coding culture and make a difference. A **special customised video message** will also be shared by 'Arsh Goyal' with your college/club name announcing this challenge for your college.
- Already collaborated with **Thapar , IGDTUW , IIIT Pune , IIIT Guwahati , and 40+ more colleges** last year - Let it be yours this time!