**Day 1-5:**

**Company Name:** Goldman Sachs

Questions:

1. [Given an array of strings, return all groups of strings that are anagrams.](https://practice.geeksforgeeks.org/problems/print-anagrams-together/1/)
2. [Overlapping rectangles](https://practice.geeksforgeeks.org/problems/overlapping-rectangles1924/1/)
3. [Count the subarrays having product less than k](https://practice.geeksforgeeks.org/problems/count-the-subarrays-having-product-less-than-k1708/1/)
4. [Given a string, Your task is to  complete the function encode that returns the run length encoded string for the given string.](https://practice.geeksforgeeks.org/problems/run-length-encoding/1/)

[eg if the input string is “wwwwaaadexxxxxx”, then the function should return “w4a3d1e1x6″.](https://practice.geeksforgeeks.org/problems/run-length-encoding/1/)(Modified version of question named Cute Monkeys)

1. [Program to find Nth Ugly Number.](https://practice.geeksforgeeks.org/problems/ugly-numbers2254/1/)

      6.    [Given two strings str1 and str2. We say that str2 divides str1 if it's possible](https://leetcode.com/problems/greatest-common-divisor-of-strings/)

[to          concatenate multiple str2 to get str1. For example, ab divides abab.](https://leetcode.com/problems/greatest-common-divisor-of-strings/)

[if str2 does not divide str1, return -1. Otherwise, return the smallest string](https://leetcode.com/problems/greatest-common-divisor-of-strings/)

[str3 such that str3 divides both str1 and str2.](https://leetcode.com/problems/greatest-common-divisor-of-strings/)

       7. F[ind the kid which gets tha damaged toy](https://www.geeksforgeeks.org/distributing-m-items-circle-size-n-starting-k-th-position/)

       8. [Total Decoding Messages](https://practice.geeksforgeeks.org/problems/total-decoding-messages1235/1/)

       9.[Given a pattern containing only I's and D's. I for increasing and D](https://practice.geeksforgeeks.org/problems/number-following-a-pattern3126/1)

[for decreasing.Devise an algorithm to print the minimum number following](https://practice.geeksforgeeks.org/problems/number-following-a-pattern3126/1)

[that pattern.](https://practice.geeksforgeeks.org/problems/number-following-a-pattern3126/1)

     10. Find max 10 numbers in a list having 10M entries.

      11. [Given an unsorted array Arr of size N of positive integers. One number](https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1/)

['A' from     set {1, 2, …N} is missing and one number 'B'](https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1/)

[occurs twice in array. Find these two numbers.](https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1/)

     12. Find total number of Squares in a N\*N chessboard

    13.[Decode the string](https://practice.geeksforgeeks.org/problems/decode-the-string2444/1)

    14.[Minimum Size Subarray Sum](https://leetcode.com/problems/minimum-size-subarray-sum/)

    15.[Array Pair Sum Divisibility Problem](https://practice.geeksforgeeks.org/problems/array-pair-sum-divisibility-problem3257/1)