**Day 1-5 :**

**Company Name :**Goldman Sachs

Questions :

1. [Given an array of strings, return all groups of strings that are anagrams.](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/print-anagrams-together/1/&sa=D&source=editors&ust=1641018126378000&usg=AOvVaw2E-9NGcg81DlWdMT95rOJ1)
2. [Overlapping rectangles](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/overlapping-rectangles1924/1/&sa=D&source=editors&ust=1641018126379000&usg=AOvVaw3j4PIKfa0_mnDEPxTgHYCi)
3. [Count the subarrays having product less than k](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/count-the-subarrays-having-product-less-than-k1708/1/&sa=D&source=editors&ust=1641018126379000&usg=AOvVaw3VXtIeD5sJdn71UPe3KZRH)
4. [Given a string, Your task is to  complete the function encode that returns the run length encoded string for the given string.](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/run-length-encoding/1/&sa=D&source=editors&ust=1641018126379000&usg=AOvVaw3B2Uq9BM-J3xvPcLK7GiSl) [eg if the input string is “wwwwaaadexxxxxx”, then the function should return “w4a3d1e1x6″.](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/run-length-encoding/1/&sa=D&source=editors&ust=1641018126380000&usg=AOvVaw0zpTTlx6HjSwu3LFbvC0Lj)(Modified version of question named Cute Monkeys)
5. [Program to find Nth Ugly Number.](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/ugly-numbers2254/1/&sa=D&source=editors&ust=1641018126380000&usg=AOvVaw0ZFYWKbMgfOjT1uJmUJUdi)
6. 6.    [Given two strings str1 and](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126380000&usg=AOvVaw33L6kWEk-37BX6EG4VRPP_)[str2. We say that str2 divides str1 if it's possible](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126381000&usg=AOvVaw1oHb2hLtHeMFB5Ypu0lUku)
7. [to          concatenate multiple](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126381000&usg=AOvVaw1oHb2hLtHeMFB5Ypu0lUku)[str2 to get str1. For example, ab divides abab.](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126382000&usg=AOvVaw2ZfdGY5oBrXuJXQ29Dfv96)
8. [if str2 does not divide str1, return -1. Otherwise, return the smallest string](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126383000&usg=AOvVaw3djt02whnQU1SEMcsyFg13)
9. [str3](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126383000&usg=AOvVaw3djt02whnQU1SEMcsyFg13)[such that str3 divides both str1 and str2.](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641018126384000&usg=AOvVaw0m_2L6oD7kgNF2lC7f5tJb)
10. 7. F[ind the kid which gets tha damaged toy](https://www.google.com/url?q=https://www.geeksforgeeks.org/distributing-m-items-circle-size-n-starting-k-th-position/&sa=D&source=editors&ust=1641018126384000&usg=AOvVaw1DcNJRI_5sGiwb6-9rEzRO)
11. 8. [Total Decoding Messages](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/total-decoding-messages1235/1/&sa=D&source=editors&ust=1641018126384000&usg=AOvVaw2Sw95NzQ7fbbvQb5j_wYjT)
12. 9.[Given a pattern containing only I's and D's. I for increasing and D](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/number-following-a-pattern3126/1&sa=D&source=editors&ust=1641018126385000&usg=AOvVaw3X8ekWTYa2tS41rqytrIJT)
13. [for decreasing.Devise an algorithm to print the minimum number following](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/number-following-a-pattern3126/1&sa=D&source=editors&ust=1641018126385000&usg=AOvVaw3X8ekWTYa2tS41rqytrIJT)
14. [that pattern.](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/number-following-a-pattern3126/1&sa=D&source=editors&ust=1641018126385000&usg=AOvVaw3X8ekWTYa2tS41rqytrIJT)
15. 10. Find max 10 numbers in a list having 10M entries.
16. 11. [Given an unsorted array Arr of size N of positive integers. One number](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1/&sa=D&source=editors&ust=1641018126385000&usg=AOvVaw2BZPtcYVJsAITtKbw_zDIR)
17. ['A' from     set {1, 2, …N} is missing and one number 'B'](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1/&sa=D&source=editors&ust=1641018126386000&usg=AOvVaw3mkylS_gX725NzPsEw0NM4)
18. [occurs twice in array. Find these two numbers.](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1/&sa=D&source=editors&ust=1641018126386000&usg=AOvVaw3mkylS_gX725NzPsEw0NM4)
19. 12. Find total number of Squares in a N\*N chessboard
20. 13.[Decode the string](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/decode-the-string2444/1&sa=D&source=editors&ust=1641018126386000&usg=AOvVaw1wN6ia2pSC_12sEdYVBNgx)
21. 14.[Minimum Size Subarray Sum](https://www.google.com/url?q=https://leetcode.com/problems/minimum-size-subarray-sum/&sa=D&source=editors&ust=1641018126386000&usg=AOvVaw1bzNGbJ3yLF2UdXAD145dh)
22. 15.[Array Pair Sum Divisibility Problem](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/array-pair-sum-divisibility-problem3257/1&sa=D&source=editors&ust=1641018126387000&usg=AOvVaw2TgAhKm_Zyl966cCtUQzLp)