**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=1641010733871000&usg=AOvVaw1wHendw7yqBzuO54ce7S-3)
2. [Overlapping rectangles](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/overlapping-rectangles1924/1/&sa=D&source=editors&ust=1641010733872000&usg=AOvVaw3xoy_-dbL6Bs18ruSA6HaX)
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=1641010733872000&usg=AOvVaw2PNl2I1hTKC37fSx3dg46l)
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=1641010733873000&usg=AOvVaw2fT6y4hxiVhPehe5diFKx9)
   1. [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=1641010733873000&usg=AOvVaw2fT6y4hxiVhPehe5diFKx9)(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=1641010733874000&usg=AOvVaw16koln2PHeKV3TnlJPcRsD)
6. [Given two strings str1](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733874000&usg=AOvVaw3CtqwPPm6XF1wIWzB7nmsO)[and str2. We say that str2](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733875000&usg=AOvVaw2KWVNH59CRpeWnlgrAYPtL)[divides str1](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733876000&usg=AOvVaw3WuGP3YGDGXCV4Ff72ojw2) if it's possible [str2 to get str1. For example,](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733877000&usg=AOvVaw0jV1LdBm4CerN0d_1mr_dg)[ab divides abab.](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733878000&usg=AOvVaw3FQpewdTB6I6T6z31gIANn)[if str2 does not divide str1](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733879000&usg=AOvVaw3p8vKraqPI7yR3hun7fJMi)[, 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=1641010733880000&usg=AOvVaw25KZpO9ih4Kduf_hTikd9p) [str3 such that](https://www.google.com/url?q=https://leetcode.com/problems/greatest-common-divisor-of-strings/&sa=D&source=editors&ust=1641010733880000&usg=AOvVaw25KZpO9ih4Kduf_hTikd9p)[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=1641010733881000&usg=AOvVaw2a2V3kCQI7tgsR9mdOMMqY)
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=1641010733881000&usg=AOvVaw1QKj-uUpacgeMqpYsbvtAv)
8. [Total Decoding Messages](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/total-decoding-messages1235/1/&sa=D&source=editors&ust=1641010733882000&usg=AOvVaw20phWKHS-mnfrxpSuR135x)
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=1641010733882000&usg=AOvVaw3VMVy6PzOKg7IA4tKHwlp-)

[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=1641010733882000&usg=AOvVaw3VMVy6PzOKg7IA4tKHwlp-)

1. Find max 10 numbers in a list having 10M entries.
2. [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=1641010733883000&usg=AOvVaw0xjqH06CJEaIVTLGJ8ZLq5) ['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=1641010733884000&usg=AOvVaw1xN-HVcvDEM5WYo_Y7RlEd) [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=1641010733884000&usg=AOvVaw1xN-HVcvDEM5WYo_Y7RlEd)
3. Find total number of Squares in a N\*N chessboard
4. [Decode the string](https://www.google.com/url?q=https://practice.geeksforgeeks.org/problems/decode-the-string2444/1&sa=D&source=editors&ust=1641010733884000&usg=AOvVaw0lhcrVQ_NOxtI3ji1l4T3q)
5. [Minimum Size Subarray Sum](https://www.google.com/url?q=https://leetcode.com/problems/minimum-size-subarray-sum/&sa=D&source=editors&ust=1641010733885000&usg=AOvVaw0B9JiN9SL1PsbbD7EpZ25Z)
6. [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=1641010733885000&usg=AOvVaw05KGL7WVeakVbsz8EHUMZ_)