String

Intermediate Level Questions:

1. Write a Code to check whether one string is a rotation of another [Practice here: https://www.geeksforgeeks.org/a-program-to-check-if-strings-are-rotations-of-each-other/

2. Write a program to remove Duplicate characters from the String. [Follow here: https://www.geeksforgeeks.org/remove-duplicates-from-a-given-string/]

3. Write a Program to check whether a string is a valid shuffle of two strings or not.

[Follow here: https://www.geeksforgeeks.org/check-whether-a-given-string-is-an-interleaving-of-two-other-given-strings/

4. Write a program to find the longest Palindrome in a string. [Lonest palindromic Substring]

 $\left[\text{Practice here: } \underline{\text{https://practice.geeksforgeeks.org/problems/longest-palindrome-in-a-string/0}} \right]$

5. Find Longest Recurring Subsequence in String.

 $\begin{bmatrix} Practice \ here: \ \underline{https://practice.geeksforgeeks.org/problems/longest-repeatingsubsequence/0} \end{bmatrix}$

6. Print all Subsequences of a string.

[Follow here: https://www.geeksforgeeks.org/print-subsequences-string/]

7. Print all the permutations of the given string

 $\left[\text{Practice here: } \underline{\text{https://practice.geeksforgeeks.org/problems/permutations-of-a-given-string/0}} \right]$

8. Split the Binary string into two substring with equal 0's and 1's.

[Follow here: https://www.geeksforgeeks.org/split-the-binary-string-into-substrings-with-equal-number-of-0s-and-1s/

9. Rearrange characters in a string such that no two adjacent are same

[Practice here: https://practice.geeksforgeeks.org/problems/rearrange-characters/0]

10. Write a program to find the smallest window that contains all characters of string itself.

[Practice here: https://practice.geeksforgeeks.org/problems/smallest-distant-window/0]

- 11. Number of Substrings with count of each character as "K".
- 12. Find the longest common subsequence between two strings.

[Practice here: https://practice.geeksforgeeks.org/problems/longest-common-subsequence/0]

13. Word Wrap Problem [VERY IMP].

[Practice here: https://practice.geeksforgeeks.org/problems/word-wrap/0]

14. Program to generate all possible valid IP addresses from given string.

[Follow here: https://www.geeksforgeeks.org/program-generate-possible-valid-ip-addresses-given-string/

15. EDIT Distance [Very Imp]

[Practice here: https://practice.geeksforgeeks.org/problems/edit-distance/0]

- 16. Find next greater number with same set of digits. [Very Very IMP]

 [Practice here: https://practice.geeksforgeeks.org/problems/next-permutation/0]
- 17. Try your hands on all these conversions:
 - → Prefix to Infix
 - → Prefix to Postfix
 - → Postfix to prefix
 - → Postfix to infix

[Follow link: https://www.geeksforgeeks.org/prefix-infix-conversion/]

18. Convert a Sentence into its equivalent mobile numeric keypad sequence.

[Follow here: https://www.geeksforgeeks.org/convert-sentence-equivalent-mobile-numeric-keypad-sequence/]

19. Balanced Parenthesis problem.[Imp]

[Practice here: https://practice.geeksforgeeks.org/problems/parenthesis-checker/0]

20. Minimum number of swaps for bracket balancing.

[Practice here: https://practice.geeksforgeeks.org/problems/minimum-swaps-for-

bracket-balancing/0

21. Minimum number of bracket reversals needed to make an expression balanced.

[Practice here: https://practice.geeksforgeeks.org/problems/count-the-reversals/0]

22. Word break Problem [Very Imp]

[Practice here: https://practice.geeksforgeeks.org/problems/word-break/0]

23. Minimum rotations required to get the same string.

[Follow here: https://www.geeksforgeeks.org/minimum-rotations-required-get-string/]

24. Find the first repeated word in string.

[Practice here: https://practice.geeksforgeeks.org/problems/second-most-repeated-string-in-a-sequence/0

25. Efficiently find first repeated character in a string without using any additional data structure in one traversal

 $\left[\text{Practice here: } \underline{\text{https://practice.geeksforgeeks.org/problems/find-first-repeated-character/0}} \right]$

26. Count All Palindromic Subsequence in a given String.

[Practice here: https://practice.geeksforgeeks.org/problems/count-palindromic-subsequences/1]

27. Number of flips to make binary string alternate

[Practice here: https://practice.geeksforgeeks.org/problems/min-number-of-flips/0]

28. Count of number of given string in 2D character array

[Follow here: https://www.geeksforgeeks.org/find-count-number-given-string-present-2d-character-array/

29. Search a Word in a 2D Grid of characters.

30. Boyer Moore Algorithm for Pattern Searching.

[Follow here: https://www.geeksforgeeks.org/boyer-moore-algorithm-for-pattern-searching/]