

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]**
[Practice here: <https://practice.geeksforgeeks.org/problems/longest-palindrome-in-a-string/0>]
5. **Find Longest Recurring Subsequence in String.**
[Practice here: <https://practice.geeksforgeeks.org/problems/longest-repeating-subsequence/0>]
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**
[Practice here: <https://practice.geeksforgeeks.org/problems/permutations-of-a-given-string/0>]
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**
[Practice here : <https://practice.geeksforgeeks.org/problems/find-first-repeated-character/0>]
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.

[Practice here: <https://practice.geeksforgeeks.org/problems/find-the-string-in-grid/0>]

30. Boyer Moore Algorithm for Pattern Searching.

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