

# 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.** [ Longest 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/>]