# String Data Structure

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**Basics :**

1. [Function to copy string](https://www.geeksforgeeks.org/function-copy-string-iterative-recursive/)
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3. [Missing characters to make a string Pangram](https://www.geeksforgeeks.org/missing-characters-make-string-pangram/)
4. [Check if a string is Pangrammatic Lipogram](https://www.geeksforgeeks.org/check-string-pangrammatic-lipogram/)
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11. [Round the given number to nearest multiple of 10](https://www.geeksforgeeks.org/round-the-given-number-to-nearest-multiple-of-10/)
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13. [Find one extra character in a string](https://www.geeksforgeeks.org/find-one-extra-character-string/)

**Strings in C & C++ :**

1. [Array of Strings in C++ (3 Different Ways to Create)](https://www.geeksforgeeks.org/array-strings-c-3-different-ways-create/)
2. [Strings in C](https://www.geeksforgeeks.org/strings-in-c-2/)
3. [Storage for Strings in C](https://www.geeksforgeeks.org/storage-for-strings-in-c/)
4. [sprintf() in C](https://www.geeksforgeeks.org/sprintf-in-c/)
5. [C program to find second most frequent character](https://www.geeksforgeeks.org/c-program-find-second-frequent-character/)
6. [C Program to Sort an array of names or strings](https://www.geeksforgeeks.org/c-program-sort-array-names-strings/)
7. [C++ Program to remove spaces from a string](https://www.geeksforgeeks.org/c-program-remove-spaces-string/)
8. [String Class in C++](https://www.geeksforgeeks.org/stdstring-class-in-c/)
9. [C++ program to concatenate a string given number of times](https://www.geeksforgeeks.org/c-program-concatenate-string-given-number-times/)
10. [std::string::append vs std::string::push\_back() vs Operator += in C++](https://www.geeksforgeeks.org/stdstringappend-vs-stdstringpush_back-vs-operator-c/)
11. [Comparing two strings in C++](https://www.geeksforgeeks.org/comparing-two-strings-cpp/)
12. [Convert string to char array in C++](https://www.geeksforgeeks.org/convert-string-char-array-cpp/)
13. [Extract all integers from string in C++](https://www.geeksforgeeks.org/extract-integers-string-c/)
14. [std::regex\_match, std::regex\_replace() | Regex (Regular Expression) In C++](https://www.geeksforgeeks.org/regex-regular-expression-in-c/)
15. [C program to Replace a word in a text by another given word](https://www.geeksforgeeks.org/c-program-replace-word-text-another-given-word/)
16. [stringstream in C++ and its applications](https://www.geeksforgeeks.org/stringstream-c-applications/)
17. [C++ string class and its applications](https://www.geeksforgeeks.org/c-string-class-and-its-applications/)

**Strings in Java :**

1. [String Class in Java](https://www.geeksforgeeks.org/string-class-in-java/)
2. [String in Switch Case in Java](https://www.geeksforgeeks.org/string-in-switch-case-in-java/)
3. [Java program to swap first and last characters of words in a sentence](https://www.geeksforgeeks.org/java-program-swap-first-last-characters-words-sentence/)
4. [Java program to expand a String if range is given?](https://www.geeksforgeeks.org/java-program-expand-string-range-given/)
5. [Check if a given string is a valid number (Integer or Floating Point) in Java | SET 2 (Regular Expression approach)](https://www.geeksforgeeks.org/check-given-string-valid-number-integer-floating-point-java-set-2-regular-expression-approach/)
6. [Get the first letter of each word in a string using regex in Java](https://www.geeksforgeeks.org/get-first-letter-word-string-using-regex-java/)
7. [Reverse words in a given String in Java](https://www.geeksforgeeks.org/reverse-words-given-string-java/)
8. [Reverse a string in Java (5 Different Ways)](https://www.geeksforgeeks.org/reverse-a-string-in-java-5-different-ways/)
9. [Compare two strings lexicographically in Java](https://www.geeksforgeeks.org/compare-two-strings-lexicographically-in-java/)
10. [Searching characters and substring in a String in Java](https://www.geeksforgeeks.org/searching-for-character-and-substring-in-a-string/)
11. [Possible Words using given characters in Python](https://www.geeksforgeeks.org/possible-words-using-given-characters-python/)
12. [Using Set() in Python Pangram Checking](https://www.geeksforgeeks.org/using-set-python-pangram-checking/)
13. [Using OrderedDict() in Python to check order of characters in string](https://www.geeksforgeeks.org/using-ordereddict-python-check-order-characters-string/)
14. [Print anagrams together in Python using List and Dictionary](https://www.geeksforgeeks.org/print-anagrams-together-python-using-list-dictionary/)
15. [K’th Non-repeating Character in Python using List Comprehension and OrderedDict](https://www.geeksforgeeks.org/kth-non-repeating-character-python-using-list-comprehension-ordereddict/)
16. [Prefix matching in Python using pytrie module](https://www.geeksforgeeks.org/prefix-matching-python-using-pytrie-module/)
17. [Print number with commas as 1000 separators in Python](https://www.geeksforgeeks.org/print-number-commas-1000-separators-python/)
18. [Pattern Occurrences : Stack Implementation Java](https://www.geeksforgeeks.org/pattern-occurrences-stack-implementation-java/)

**Strings in Python :**

1. String Methods in Python : [Set 1](https://www.geeksforgeeks.org/string-methods-python-set-1/), [Set 2](https://www.geeksforgeeks.org/python-string-methods-set-2-len-count-center-ljust-rjust-isalpha-isalnum-isspace-join/) , [Set 3](https://www.geeksforgeeks.org/python-string-methods-set-3-strip-lstrip-rstrip-min-max-maketrans-translate-relplace/)
2. [Dictionary and counter in Python to find winner of election](https://www.geeksforgeeks.org/dictionary-counter-python-find-winner-election/)
3. [Maximum length of consecutive 1’s in a binary string in Python using Map function](https://www.geeksforgeeks.org/maximum-length-consecutive-1s-binary-string-python-using-map-function/)
4. [Python code to print common characters of two Strings in alphabetical order](https://www.geeksforgeeks.org/python-code-print-common-characters-two-strings-alphabetical-order/)
5. [Using Counter() in Python to find minimum character removal to make two strings anagram](https://www.geeksforgeeks.org/using-counter-python-find-minimum-character-removal-make-two-strings-anagram/)
6. [Reverse string in Python](https://www.geeksforgeeks.org/reverse-string-python-5-different-ways/)
7. [Python groupby method to remove all consecutive duplicates](https://www.geeksforgeeks.org/python-groupby-method-remove-consecutive-duplicates/)
8. [Generate two output strings depending upon occurrence of character in input string in Python](https://www.geeksforgeeks.org/generate-two-output-strings-depending-upon-occurrence-character-input-string-python/)
9. [Python Dictionary to find mirror characters in a string](https://www.geeksforgeeks.org/python-dictionary-find-mirror-characters-string/)
10. [Python | Convert a list of characters into a string](https://www.geeksforgeeks.org/python-convert-list-characters-string/)
11. [Map function and Lambda expression in Python to replace characters](https://www.geeksforgeeks.org/map-function-lambda-expression-python-replace-characters/)
12. [Zip function in Python to change to a new character set](https://www.geeksforgeeks.org/zip-function-python-change-new-character-set/)
13. [SequenceMatcher in Python for Longest Common Substring](https://www.geeksforgeeks.org/sequencematcher-in-python-for-longest-common-substring/)
14. [Python | Print the initials of a name with last name in full](https://www.geeksforgeeks.org/python-print-initials-name-last-name-full/)
15. [Python counter and dictionary intersection example (Make a string using deletion and rearrangement)](https://www.geeksforgeeks.org/python-counter-dictionary-intersection-example-make-string-using-deletion-rearrangement/)
16. [Python program to count number of vowels using sets in given string](https://www.geeksforgeeks.org/python-program-count-number-vowels-using-sets-given-string/)
17. [Python set to check if string is panagram](https://www.geeksforgeeks.org/python-set-check-string-panagram/)
18. [Python | Check if a Substring is Present in a Given String](https://www.geeksforgeeks.org/python-check-substring-present-given-string/)
19. [Python sorted() to check if two strings are anagram or not](https://www.geeksforgeeks.org/python-sorted-check-two-strings-anagram-not/)
20. [Python | Remove leading zeros from an IP address](https://www.geeksforgeeks.org/python-remove-leading-zeros-ip-address/)
21. [Python | Count all prefixes in given string with greatest frequency](https://www.geeksforgeeks.org/python-count-prefixes-given-string-greatest-frequency/)
22. [Check if both halves of the string have same set of characters in Python](https://www.geeksforgeeks.org/check-halves-string-set-characters-python/)
23. [Concatenated string with uncommon characters in Python](https://www.geeksforgeeks.org/concatenated-string-uncommon-characters-python/)
24. [Second most repeated word in a sequence in Python](https://www.geeksforgeeks.org/second-repeated-word-sequence-python/)
25. [Regex in Python to put spaces between words starting with capital letters](https://www.geeksforgeeks.org/regex-in-python-to-put-spaces-between-words-starting-with-capital-letters/)
26. [Python code to move spaces to front of string in single traversal](https://www.geeksforgeeks.org/python-code-move-spaces-front-string-single-traversal/)
27. [String slicing in Python to rotate a string](https://www.geeksforgeeks.org/string-slicing-python-rotate-string/)
28. [String slicing in Python to check if a string can become empty by recursive deletion](https://www.geeksforgeeks.org/string-slicing-python-check-string-can-become-empty-recursive-deletion/)
29. [Reverse words in a given String in Python](https://www.geeksforgeeks.org/reverse-words-given-string-python/)
30. [Run Length Encoding in Python](https://www.geeksforgeeks.org/run-length-encoding-python/)
31. [Anagram checking in Python using collections.Counter()](https://www.geeksforgeeks.org/anagram-checking-python-collections-counter/)
32. [Remove all duplicates from a given string in Python](https://www.geeksforgeeks.org/remove-duplicates-given-string-python/)
33. [Remove all consecutive duplicates from the string](https://www.geeksforgeeks.org/remove-consecutive-duplicates-string/)
34. [Python program to check if a string is palindrome or not](https://www.geeksforgeeks.org/python-program-check-string-palindrome-not/)

**Arthimetic Operation in String :**

1. [Smallest number with sum of digits as N and divisible by 10^N](https://www.geeksforgeeks.org/smallest-number-sum-digits-n-divisible-10n/)
2. [Minimum sum of squares of character counts in a given string after removing k characters](https://www.geeksforgeeks.org/minimum-sum-squares-characters-counts-given-string-removing-k-characters/)
3. [Maximum and minimum sums from two numbers with digit replacements](https://www.geeksforgeeks.org/maximum-minimum-sums-two-numbers-digit-replacements/)
4. [Check if a given string is sum-string](https://www.geeksforgeeks.org/check-given-string-sum-string/)
5. [Sum of two large numbers](https://www.geeksforgeeks.org/sum-two-large-numbers/)
6. [Calculate sum of all numbers present in a string](https://www.geeksforgeeks.org/calculate-sum-of-all-numbers-present-in-a-string/)
7. [Extract maximum numeric value from a given string](https://www.geeksforgeeks.org/extract-maximum-numeric-value-given-string-set-2-regex-approach/)
8. [Calculate maximum value using ‘+’ or ‘\*’ sign between two numbers in a string](https://www.geeksforgeeks.org/calculate-maximum-value-using-sign-two-numbers-string/)
9. [Maximum segment value after putting k breakpoints in a number](https://www.geeksforgeeks.org/maximum-segment-value-putting-k-breakpoints-number/)
10. [Difference of two large numbers](https://www.geeksforgeeks.org/difference-of-two-large-numbers/)
11. [Check if a large number is divisible by 4 or not](https://www.geeksforgeeks.org/check-large-number-divisible-4-not/)
12. [Check if a large number is divisible by 11 or not](https://www.geeksforgeeks.org/check-large-number-divisible-11-not/)
13. [Number of substrings divisible by 6 in a string of integers](https://www.geeksforgeeks.org/number-substrings-divisible-6-string-integers/)
14. [Decimal representation of given binary string is divisible by 5 or not](https://www.geeksforgeeks.org/decimal-representation-given-binary-string-divisible-5-not/)
15. [Number of substrings divisible by 8 but not by 3](https://www.geeksforgeeks.org/number-substrings-divisible-8-not-3/)
16. [To check divisibility of any large number by 999](https://www.geeksforgeeks.org/check-divisibility-large-number-999/)
17. [Multiply Large Numbers represented as Strings](https://www.geeksforgeeks.org/multiply-large-numbers-represented-as-strings/)
18. [Divide large number represented as string](https://www.geeksforgeeks.org/divide-large-number-represented-string/)
19. [Remainder with 7 for large numbers](https://www.geeksforgeeks.org/remainder-7-large-numbers/)
20. [Given two numbers as strings, find if one is a power of other](https://www.geeksforgeeks.org/given-two-numbers-strings-find-one-power/)
21. [Check whether a given number is even or odd](https://www.geeksforgeeks.org/check-whether-given-number-even-odd/)
22. [Product of nodes at k-th level in a tree represented as string](https://www.geeksforgeeks.org/product-nodes-k-th-level-tree-represented-string/)
23. [Program to find remainder when large number is divided by 11](https://www.geeksforgeeks.org/program-find-remainder-large-number-divided-11/)
24. [Ways to remove one element from a binary string so that XOR becomes zero](https://www.geeksforgeeks.org/ways-remove-one-element-binary-string-xor-becomes-zero/)
25. [Find the maximum subarray XOR in a given array](https://www.geeksforgeeks.org/find-the-maximum-subarray-xor-in-a-given-array/)
26. [Calculate the difficulty of a sentence](https://www.geeksforgeeks.org/calculate-difficulty-sentence/)
27. [Minimum Index Sum for Common Elements of Two Lists](https://www.geeksforgeeks.org/minimum-index-sum-common-elements-two-lists/)

**Character Counting Based Problems :**

1. [Count Uppercase, Lowercase, special character and numeric values](https://www.geeksforgeeks.org/count-uppercase-lowercase-special-character-numeric-values/)
2. [Find the smallest window in a string containing all characters of another string](https://www.geeksforgeeks.org/find-the-smallest-window-in-a-string-containing-all-characters-of-another-string/)
3. [Smallest window that contains all characters of string itself](https://www.geeksforgeeks.org/smallest-window-contains-characters-string/)
4. [Count number of substrings with exactly k distinct characters](https://www.geeksforgeeks.org/count-number-of-substrings-with-exactly-k-distinct-characters/)
5. [Number of substrings with count of each character as k](https://www.geeksforgeeks.org/number-substrings-count-character-k/)
6. [String with k distinct characters and no same characters adjacent](https://www.geeksforgeeks.org/string-k-distinct-characters-no-characters-adjacent/)
7. [Number of substrings of a string](https://www.geeksforgeeks.org/number-substrings-string/)
8. [Distinct strings with odd and even changes allowed](https://www.geeksforgeeks.org/distinct-strings-odd-even-changes-allowed/)
9. [Find k’th character of decrypted string](https://www.geeksforgeeks.org/find-kth-character-of-decrypted-string/)
10. [Count characters at same position as in English alphabets](https://www.geeksforgeeks.org/count-characters-position-english-alphabets/)
11. [Count words in a given string](https://www.geeksforgeeks.org/count-words-in-a-given-string/)
12. [Count words present in a string](https://www.geeksforgeeks.org/count-words-present-in-a-string/)
13. [Count of words whose i-th letter is either (i-1)-th, i-th, or (i+1)-th letter of given word](https://www.geeksforgeeks.org/count-words-whose-th-letter-either-1-th-th-i1-th-letter-given-word/)
14. [Program to find Smallest and Largest Word in a String](https://www.geeksforgeeks.org/program-find-smallest-largest-word-string/)
15. [Count substrings with same first and last characters](https://www.geeksforgeeks.org/count-substrings-with-same-first-and-last-characters/)
16. [Recursive solution to count substrings with same first and last characters](https://www.geeksforgeeks.org/recursive-solution-count-substrings-first-last-characters/)
17. [Count of distinct substrings of a string using Suffix Array](https://www.geeksforgeeks.org/count-distinct-substrings-string-using-suffix-array/)
18. [Count of distinct substrings of a string using Suffix Trie](https://www.geeksforgeeks.org/count-distinct-substrings-string-using-suffix-trie/)
19. [Count number of strings (made of R, G and B) using given combination](https://www.geeksforgeeks.org/count-number-of-strings-made-of-r-g-and-b-using-given-combination/)
20. [Count of strings that can be formed using a, b and c under given constraints](https://www.geeksforgeeks.org/count-strings-can-formed-using-b-c-given-constraints/)
21. [Count of substrings of a binary string containing K ones](https://www.geeksforgeeks.org/count-substrings-binary-string-containing-k-ones/)
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24. [Print common characters of two Strings in alphabetical order](https://www.geeksforgeeks.org/print-common-characters-two-strings-alphabetical-order-2/)
25. [Common characters in n strings](https://www.geeksforgeeks.org/common-characters-n-strings/)
26. [Find uncommon characters of the two strings](https://www.geeksforgeeks.org/find-uncommon-characters-two-strings/)
27. [Concatenated string with uncommon characters of two strings](https://www.geeksforgeeks.org/concatenated-string-uncommon-characters-two-strings/)
28. [Program to remove vowels from a String](https://www.geeksforgeeks.org/program-remove-vowels-string/)
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30. [Program to count vowels in a string (Iterative and Recursive)](https://www.geeksforgeeks.org/program-count-vowels-string-iterative-recursive/)
31. [Count consonants in a string (Iterative and recursive methods)](https://www.geeksforgeeks.org/count-consonants-string-iterative-recursive-methods/)
32. [Alternate vowel and consonant string](https://www.geeksforgeeks.org/alternate-vowel-consonant-string/)
33. [Given a binary string, count number of substrings that start and end with 1](https://www.geeksforgeeks.org/given-binary-string-count-number-substrings-start-end-1/)
34. [Number of distinct permutation a String can have](https://www.geeksforgeeks.org/number-distinct-permutation-string-can/)
35. [Time complexity of all permutations of a string](https://www.geeksforgeeks.org/time-complexity-permutations-string/)
36. [Permutations of a given string using STL](https://www.geeksforgeeks.org/permutations-of-a-given-string-using-stl/)
37. [Check if both halves of the string have same set of characters](https://www.geeksforgeeks.org/check-half-string-character-frequency-character/)
38. [Count words that appear exactly two times in an array of words](https://www.geeksforgeeks.org/count-words-appear-exactly-two-times-array-words/)
39. [Check if frequency of all characters can become same by one removal](https://www.geeksforgeeks.org/check-if-frequency-of-all-characters-can-become-same-by-one-removal/)
40. [Check if a string has all characters with same frequency with one variation allowed](https://www.geeksforgeeks.org/check-if-a-string-has-all-characters-with-same-frequency-with-one-variation-allowed/)
41. [Count ways to increase LCS length of two strings by one](https://www.geeksforgeeks.org/count-ways-increase-lcs-length-two-strings-one/)
42. [Find the character in first string that is present at minimum index in second string](https://www.geeksforgeeks.org/find-character-first-string-present-minimum-index-second-string/)
43. [Remove characters from the first string which are present in the second string](https://www.geeksforgeeks.org/remove-characters-from-the-first-string-which-are-present-in-the-second-string/)
44. [Length of Longest sub-string that can be removed](https://www.geeksforgeeks.org/length-longest-sub-string-can-make-removed/)
45. [Count of character pairs at same distance as in English alphabets](https://www.geeksforgeeks.org/count-characters-string-distance-english-alphabets/)
46. [Count number of equal pairs in a string](https://www.geeksforgeeks.org/number-equal-pairs-string/)
47. [Count of strings where adjacent characters are of difference one](https://www.geeksforgeeks.org/count-strings-adjacent-characters-difference-one/)
48. [Print number of words, vowels and frequency of each character](https://www.geeksforgeeks.org/print-number-words-vowels-frequency-character/)

**Subsequence & Substring :**

1. [Longest subsequence where every character appears at-least k times](https://www.geeksforgeeks.org/longest-subsequence-where-every-character-appears-at-least-k-times/)
2. [Given two strings, find if first string is a subsequence of second](https://www.geeksforgeeks.org/given-two-strings-find-first-string-subsequence-second/)
3. [Number of subsequences of the form a^i b^j c^k](https://www.geeksforgeeks.org/number-subsequences-form-ai-bj-ck/)
4. [Number of subsequences in a string divisible by n](https://www.geeksforgeeks.org/number-subsequences-string-divisible-n/)
5. [Find number of times a string occurs as a subsequence in given string](https://www.geeksforgeeks.org/find-number-times-string-occurs-given-string/)
6. [Number of subsequences as “ab” in a string repeated K times](https://www.geeksforgeeks.org/number-subsequences-ab-string-repeated-k-times/)
7. [Count of ‘GFG’ Subsequences in the given string](https://www.geeksforgeeks.org/count-gfg-subsequences-given-string/)
8. [Count Distinct Subsequences](https://www.geeksforgeeks.org/count-distinct-subsequences/)
9. [Count distinct occurrences as a subsequence](https://www.geeksforgeeks.org/count-distinct-occurrences-as-a-subsequence/)
10. [Longest common subsequence with permutations allowed](https://www.geeksforgeeks.org/longest-common-subsequence-with-permutations-allowed/)
11. [Repeated subsequence of length 2 or more](https://www.geeksforgeeks.org/repeated-subsequence-length-2/)
12. [Print all longest common sub-sequences in lexicographical order](https://www.geeksforgeeks.org/print-longest-common-sub-sequences-lexicographical-order/)
13. [Printing Longest Common Subsequence | Set 2](https://www.geeksforgeeks.org/printing-longest-common-subsequence-set-2-printing/)
14. [Given number as string, find number of contiguous subsequences which recursively add up to 9 | Set 2](https://www.geeksforgeeks.org/given-number-string-find-number-contiguous-subsequences-recursively-add-9-set-2/)
15. [Shortest Uncommon Subsequence](https://www.geeksforgeeks.org/shortest-uncommon-subsequence/)
16. [Shortest Superstring Problem](https://www.geeksforgeeks.org/shortest-superstring-problem/)
17. [Printing Shortest Common Supersequence](https://www.geeksforgeeks.org/print-shortest-common-supersequence/)
18. [Shortest possible combination of two strings](https://www.geeksforgeeks.org/shortest-possible-combination-two-strings/)
19. [A Space Optimized Solution of LCS](https://www.geeksforgeeks.org/space-optimized-solution-lcs/)
20. [Sort a string according to the order defined by another string](https://www.geeksforgeeks.org/sort-string-according-order-defined-another-string/)
21. [Shortest Common Supersequence](https://www.geeksforgeeks.org/shortest-common-supersequence/)
22. [Longest Repeating Subsequence](https://www.geeksforgeeks.org/longest-repeating-subsequence/)
23. [Find largest word in dictionary by deleting some characters of given string](https://www.geeksforgeeks.org/find-largest-word-dictionary-deleting-characters-given-string/)
24. [Dynamic Programming | Set 12 (Longest Palindromic Subsequence)](https://www.geeksforgeeks.org/dynamic-programming-set-4-longest-common-subsequence/)

[More >>](https://www.geeksforgeeks.org/data-structures/string-subsequence-substring/)

**Reverse & Rotation :**

1. [Perfect reversible string](https://www.geeksforgeeks.org/perfect-reversible-string/)
2. [Reversing an Equation](https://www.geeksforgeeks.org/reversing-an-equation/)
3. [Left Rotation and Right Rotation of a String](https://www.geeksforgeeks.org/left-rotation-right-rotation-string-2/)
4. [Generate all rotations of a given string](https://www.geeksforgeeks.org/generate-rotations-given-string/)
5. [Minimum rotations required to get the same string](https://www.geeksforgeeks.org/minimum-rotations-required-get-string/)
6. [Check if strings are rotations of each other or not](https://www.geeksforgeeks.org/check-strings-rotations-not-set-2/)
7. [Check if a string can be obtained by rotating another string 2 places](https://www.geeksforgeeks.org/check-string-can-obtained-rotating-another-string-2-places/)
8. [Count rotations divisible by 4](https://www.geeksforgeeks.org/count-rotations-divisible-4/)
9. [Check if all rows of a matrix are circular rotations of each other](https://www.geeksforgeeks.org/check-rows-matrix-circular-rotations/)
10. [Print reverse of a string using recursion](https://www.geeksforgeeks.org/reverse-a-string-using-recursion/)
11. [Print words of a string in reverse order](https://www.geeksforgeeks.org/print-words-string-reverse-order/)
12. [Program to reverse a string (Iterative and Recursive)](https://www.geeksforgeeks.org/program-reverse-string-iterative-recursive/)
13. [Write a program to reverse an array or string](https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/)
14. [Reverse an array without affecting special characters](https://www.geeksforgeeks.org/reverse-an-array-without-affecting-special-characters/)
15. [Reverse words in a given string](https://www.geeksforgeeks.org/reverse-words-in-a-given-string/)
16. [Reverse individual words](https://www.geeksforgeeks.org/reverse-individual-words/)
17. [Reverse a string preserving space positions](https://www.geeksforgeeks.org/reverse-string-preserving-space-positions/)
18. [Reverse string without using any temporary variable](https://www.geeksforgeeks.org/reverse-string-without-using-any-temporary-variable/)
19. [Print reverse string after removing vowels](https://www.geeksforgeeks.org/print-reverse-string-removing-vowels/)
20. [Reverse vowels in a given string](https://www.geeksforgeeks.org/reverse-vowels-given-string/)
21. [Reverse String according to the number of words](https://www.geeksforgeeks.org/reverse-string-according-number-words/)
22. [Reverse each word in a linked list node](https://www.geeksforgeeks.org/reverse-word-linked-list-node/)
23. [Find if an array of strings can be chained to form a circle](https://www.geeksforgeeks.org/find-array-strings-can-chained-form-circle-set-2/)

**Sorting & Searching :**

1. [Sort an array of strings according to string lengths](https://www.geeksforgeeks.org/sort-array-strings-according-string-lengths/)
2. [Sorting array of strings (or words) using Trie](https://www.geeksforgeeks.org/sorting-array-strings-words-using-trie/)
3. [Sort string of characters](https://www.geeksforgeeks.org/sort-string-characters/)
4. [Alternate Lower Upper String Sort](https://www.geeksforgeeks.org/alternate-lower-upper-string-sort/)
5. [Program to sort string in descending order](https://www.geeksforgeeks.org/program-sort-string-descending-order/)
6. [Print array of strings in sorted order without copying one string into another](https://www.geeksforgeeks.org/print-array-strings-sorted-order-without-copying-one-string-another/)
7. [Sort the given string using character search](https://www.geeksforgeeks.org/sort-given-string-using-character-search/)
8. [Given a sorted dictionary of an alien language, find order of characters](https://www.geeksforgeeks.org/given-sorted-dictionary-find-precedence-characters/)
9. [Rearrange a string in sorted order followed by the integer sum](https://www.geeksforgeeks.org/rearrange-a-string-in-sorted-order-followed-by-the-integer-sum/)
10. [Print distinct sorted permutations with duplicates allowed in input](https://www.geeksforgeeks.org/print-distinct-sorted-permutations-with-duplicates-allowed/)
11. [Minimum cost to sort strings using reversal operations of different costs](https://www.geeksforgeeks.org/minimum-cost-sort-strings-using-reversal-operations-different-costs/)
12. [Print number in ascending order which contains 1, 2 and 3 in their digits.](https://www.geeksforgeeks.org/print-number-ascending-order-contains-1-2-3-digits/)
13. [Search in an array of strings where non-empty strings are sorted](https://www.geeksforgeeks.org/search-in-an-array-of-strings-where-non-empty-strings-are-sorted/)
14. [Sparse Search](https://www.geeksforgeeks.org/sparse-search/)

**Case Sensitive String :**

1. [Lower case to upper case – An interesting fact](https://www.geeksforgeeks.org/lower-case-upper-case-interesting-fact/)
2. [isupper() and islower() and their application in C++](https://www.geeksforgeeks.org/isupper-islower-application-c/)
3. [Case conversion (Lower to Upper and Vice Versa) of a string using BitWise operators in C/C++](https://www.geeksforgeeks.org/case-conversion-lower-upper-vice-versa-string-using-bitwise-operators-cc/)
4. [Maximum distinct lowercase alphabets between two uppercase](https://www.geeksforgeeks.org/maximum-distinct-lowercase-alphabets-two-uppercase/)
5. [First uppercase letter in a string (Iterative and Recursive)](https://www.geeksforgeeks.org/first-uppercase-letter-in-a-string-iterative-and-recursive/)
6. [Convert characters of a string to opposite case](https://www.geeksforgeeks.org/convert-alternate-characters-string-upper-case/)
7. [gOOGLE cASE of a given sentence](https://www.geeksforgeeks.org/google-case-given-sentence/)
8. [Print all words matching a pattern in CamelCase Notation Dictonary](https://www.geeksforgeeks.org/print-words-matching-pattern-camelcase-notation-dictonary/)
9. [Camel case of a given sentence](https://www.geeksforgeeks.org/camel-case-given-sentence/)
10. [Permute a string by changing case](https://www.geeksforgeeks.org/permute-string-changing-case/)
11. [Toggle case of a string using Bitwise Operators](https://www.geeksforgeeks.org/toggle-case-string-using-bitwise-operators/)
12. [How to design a tiny URL or URL shortener?](https://www.geeksforgeeks.org/how-to-design-a-tiny-url-or-url-shortener/)

**Occurrence Based String :**

1. [Given a string, find its first non-repeating character](https://www.geeksforgeeks.org/given-a-string-find-its-first-non-repeating-character/)
2. [Print all permutations with repetition of characters](https://www.geeksforgeeks.org/print-all-permutations-with-repetition-of-characters/)
3. [Find the first non-repeating character from a stream of characters](https://www.geeksforgeeks.org/find-first-non-repeating-character-stream-characters/)
4. [Convert to a string that is repetition of a substring of k length](https://www.geeksforgeeks.org/convert-string-repetition-substring-k-length/)
5. [Smallest length string with repeated replacement of two distinct adjacent](https://www.geeksforgeeks.org/smallest-length-string-with-repeated-replacement-of-two-distinct-adjacent/)
6. [Distributing all balls without repetition](https://www.geeksforgeeks.org/distributing-all-balls-without-repetition/)
7. [Maximum consecutive repeating character in string](https://www.geeksforgeeks.org/maximum-consecutive-repeating-character-string/)
8. [Minimum number of deletions so that no two consecutive are same](https://www.geeksforgeeks.org/queue-based-approach-for-first-non-repeating-character-in-a-stream/)
9. [K’th Non-repeating Character](https://www.geeksforgeeks.org/kth-non-repeating-character/)
10. [Find repeated character present first in a string](https://www.geeksforgeeks.org/find-repeated-character-present-first-string/)
11. [Find the first repeated word in a string](https://www.geeksforgeeks.org/find-first-repeated-word-string/)
12. [Find the first repeated character in a string](https://www.geeksforgeeks.org/find-the-first-repeated-character-in-a-string/)
13. [Second most repeated word in a sequence](https://www.geeksforgeeks.org/second-repeated-word-sequence/)
14. [Most frequent word in an array of strings](https://www.geeksforgeeks.org/frequent-word-array-strings/)
15. [Efficiently find first repeated character in a string without using any additional data structure in one traversal](https://www.geeksforgeeks.org/efficiently-find-first-repeated-character-string-without-using-additional-data-structure-one-traversal/)
16. [Queries for characters in a repeated string](https://www.geeksforgeeks.org/queries-for-characters-in-a-repeated-string/)
17. [Return maximum occurring character in an input string](https://www.geeksforgeeks.org/return-maximum-occurring-character-in-the-input-string/)
18. [Generate two output strings depending upon occurrence of character in input string.](https://www.geeksforgeeks.org/generate-two-output-strings-depending-upon-occurrence-character-input-string/)
19. [Print characters and their frequencies in order of occurrence](https://www.geeksforgeeks.org/print-characters-frequencies-order-occurrence/)
20. [Program to count occurrence of a given character in a string](https://www.geeksforgeeks.org/program-count-occurrence-given-character-string/)
21. [Check if all occurrences of a character appear together](https://www.geeksforgeeks.org/check-occurrences-character-appear-together/)
22. [Group all occurrences of characters according to first appearance](https://www.geeksforgeeks.org/group-occurrences-characters-according-first-appearance/)
23. [Print the string by ignoring alternate occurrences of any character](https://www.geeksforgeeks.org/print-string-ignoring-alternate-occurrences-character/)
24. [Print the string after the specified character has occurred given no. of times](https://www.geeksforgeeks.org/print-string-specified-character-occurred-given-no-times/)
25. [Find all occurrences of a given word in a matrix](https://www.geeksforgeeks.org/find-all-occurrences-of-the-word-in-a-matrix/)
26. [Replace all occurrences of string AB with C without using extra space](https://www.geeksforgeeks.org/replace-occurrences-string-ab-c-without-using-extra-space/)
27. [Rearrange a binary string as alternate x and y occurrences](https://www.geeksforgeeks.org/rearrange-binary-string-alternate-x-y-occurrences/)
28. [Remove recurring digits in a given number](https://www.geeksforgeeks.org/remove-recurring-digits-in-a-given-number/)
29. [Find the most frequent digit without using array/string](https://www.geeksforgeeks.org/find-the-most-frequent-digit-without-using-arraystring/)

**Spacing :**

1. [Remove spaces from a given string](https://www.geeksforgeeks.org/remove-spaces-from-a-given-string/)
2. [Move spaces to front of string in single traversal](https://www.geeksforgeeks.org/move-spaces-front-string-single-traversal/)
3. [Put spaces between words starting with capital letters](https://www.geeksforgeeks.org/put-spaces-words-starting-capital-letters/)
4. [Removing spaces from a string using Stringstream](https://www.geeksforgeeks.org/removing-spaces-string-using-stringstream/)
5. [Remove extra spaces from a string](https://www.geeksforgeeks.org/remove-extra-spaces-string/)
6. [URLify a given string (Replace spaces is %20)](https://www.geeksforgeeks.org/urlify-given-string-replace-spaces/)
7. [String containing first letter of every word in a given string with spaces](https://www.geeksforgeeks.org/string-containing-first-letter-every-word-given-string-spaces/)
8. [Print all possible strings that can be made by placing spaces](https://www.geeksforgeeks.org/print-possible-strings-can-made-placing-spaces-2/)
9. [Print all possible strings that can be made by placing spaces](https://www.geeksforgeeks.org/print-possible-strings-can-made-placing-spaces/)

**Anagram :**

1. [Check whether two strings are anagram of each other](https://www.geeksforgeeks.org/check-whether-two-strings-are-anagram-of-each-other/)
2. [Given a sequence of words, print all anagrams together | Set 2](https://www.geeksforgeeks.org/given-a-sequence-of-words-print-all-anagrams-together-set-2/)
3. [Anagram Substring Search](https://www.geeksforgeeks.org/anagram-substring-search-search-permutations/)
4. [Print all pairs of anagrams in a given array of strings](https://www.geeksforgeeks.org/print-pairs-anagrams-given-array-strings/)
5. [Remove minimum number of characters so that two strings become anagram](https://www.geeksforgeeks.org/remove-minimum-number-characters-two-strings-become-anagram/)
6. [Check if two strings are k-anagrams or not](https://www.geeksforgeeks.org/check-two-strings-k-anagrams-not/)
7. [Check if binary representations of two numbers are anagram](https://www.geeksforgeeks.org/check-binary-representations-two-numbers-anagram/)
8. [Given a sequence of words, print all anagrams together using STL](https://www.geeksforgeeks.org/given-a-sequence-of-words-print-all-anagrams-together-using-stl/)
9. [Check if all levels of two trees are anagrams or not](https://www.geeksforgeeks.org/check-if-all-levels-of-two-trees-are-anagrams-or-not/)
10. [Count of total anagram substrings](https://www.geeksforgeeks.org/count-total-anagram-substrings/)
11. [Minimum Number of Manipulations required to make two Strings Anagram Without Deletion of Character](https://www.geeksforgeeks.org/minimum-number-of-manipulations-required-to-make-two-strings-anagram-without-deletion-of-character/)

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**Palindrome :**

1. [C Program to Check if a Given String is Palindrome](https://www.geeksforgeeks.org/c-program-check-given-string-palindrome/)
2. [Check if a given string is a rotation of a palindrome](https://www.geeksforgeeks.org/check-given-string-rotation-palindrome/)
3. [C++ Program to print all palindromes in a given range](https://www.geeksforgeeks.org/c-program-print-palindromes-given-range/)
4. [Check if characters of a given string can be rearranged to form a palindrome](https://www.geeksforgeeks.org/check-characters-given-string-can-rearranged-form-palindrome/)
5. [Dynamic Programming | Set 28 (Minimum insertions to form a palindrome)](https://www.geeksforgeeks.org/dynamic-programming-set-28-minimum-insertions-to-form-a-palindrome/)
6. [Longest Palindromic Substring | Set 2](https://www.geeksforgeeks.org/longest-palindromic-substring-set-2/)
7. [Find all palindromic sub-strings of a given string](https://www.geeksforgeeks.org/find-palindromic-sub-strings-given-string-set-2/)
8. [Online algorithm for checking palindrome in a stream](https://www.geeksforgeeks.org/online-algorithm-for-checking-palindrome-in-a-stream/)
9. [Given a string, print all possible palindromic partitions](https://www.geeksforgeeks.org/given-a-string-print-all-possible-palindromic-partition/)
10. [Print all palindromic partitions of a string](https://www.geeksforgeeks.org/print-palindromic-partitions-string/)
11. [Dynamic Programming | Set 17 (Palindrome Partitioning)](https://www.geeksforgeeks.org/dynamic-programming-set-17-palindrome-partitioning/)
12. [Count All Palindromic Subsequence in a given String](https://www.geeksforgeeks.org/count-palindromic-subsequence-given-string/)
13. [Minimum characters to be added at front to make string palindrome](https://www.geeksforgeeks.org/minimum-characters-added-front-make-string-palindrome/)
14. [Palindrome Substring Queries](https://www.geeksforgeeks.org/palindrome-substring-queries/)
15. [Suffix Tree Application 6 – Longest Palindromic Substring](https://www.geeksforgeeks.org/suffix-tree-application-6-longest-palindromic-substring/)
16. [Palindrome pair in an array of words (or strings)](https://www.geeksforgeeks.org/palindrome-pair-in-an-array-of-words-or-strings/)
17. [Make largest palindrome by changing at most K-digits](https://www.geeksforgeeks.org/make-largest-palindrome-changing-k-digits/)
18. [Lexicographically first palindromic string](https://www.geeksforgeeks.org/lexicographically-first-palindromic-string/)
19. [Recursive function to check if a string is palindrome](https://www.geeksforgeeks.org/recursive-function-check-string-palindrome/)
20. [Minimum number of Appends needed to make a string palindrome](https://www.geeksforgeeks.org/minimum-number-appends-needed-make-string-palindrome/)
21. [Longest Non-palindromic substring](https://www.geeksforgeeks.org/longest-non-palindromic-substring/)
22. [Minimum number of deletions to make a string palindrome](https://www.geeksforgeeks.org/minimum-number-deletions-make-string-palindrome/)
23. [Minimum steps to delete a string after repeated deletion of palindrome substrings](https://www.geeksforgeeks.org/minimum-steps-to-delete-a-string-after-repeated-deletion-of-palindrome-substrings/)
24. [Count of Palindromic substrings in an Index range](https://www.geeksforgeeks.org/count-of-palindromic-substrings-in-an-index-range/)
25. [Minimum insertions to form a palindrome with permutations allowed](https://www.geeksforgeeks.org/minimum-insertions-to-form-a-palindrome-with-permutations-allowed/)
26. [Nth Even length Palindrome](https://www.geeksforgeeks.org/nth-even-length-palindrome/)

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**Binary String :**

1. [Count of operations to make a binary string”ab” free](https://www.geeksforgeeks.org/count-operations-make-stringab-free/)
2. [Change if all bits can be made same by single flip](https://www.geeksforgeeks.org/change-bits-can-made-one-flip/)
3. [Length of Longest sub-string that can be removed](https://www.geeksforgeeks.org/length-longest-sub-string-can-make-removed/)
4. [Number of flips to make binary string alternate](https://www.geeksforgeeks.org/number-flips-make-binary-string-alternate/)
5. [1’s and 2’s complement of a Binary Number](https://www.geeksforgeeks.org/1s-2s-complement-binary-number/)
6. [Efficient method for 2’s complement of a binary string](https://www.geeksforgeeks.org/efficient-method-2s-complement-binary-string/)
7. [Count binary strings with k times appearing adjacent two set bits](https://www.geeksforgeeks.org/count-binary-strings-k-times-appearing-adjacent-two-set-bits/)
8. [Count strings with consecutive 1’s](https://www.geeksforgeeks.org/count-strings-with-consecutive-1s/)
9. [Generate all binary strings from given pattern](https://www.geeksforgeeks.org/generate-all-binary-strings-from-given-pattern/)
10. [Add two bit strings](https://www.geeksforgeeks.org/add-two-bit-strings/)
11. [Count number of binary strings without consecutive 1’s](https://www.geeksforgeeks.org/count-number-binary-strings-without-consecutive-1s/)
12. [Generate all binary permutations such that there are more or equal 1’s than 0’s before every point in all permutations](https://www.geeksforgeeks.org/generate-binary-permutations-1s-0s-every-point-permutations/)
13. [Check if a string follows a^nb^n pattern or not](https://www.geeksforgeeks.org/check-string-follows-anbn-pattern-not/)
14. [Binary representation of next number](https://www.geeksforgeeks.org/binary-representation-of-next-number/)
15. [Binary representation of next greater number with same number of 1’s and 0’s](https://www.geeksforgeeks.org/binary-representation-next-greater-number-number-1s-0s/)
16. [Maximum difference of zeros and ones in binary string](https://www.geeksforgeeks.org/maximum-difference-zeros-ones-binary-string-set-2-time/)
17. [Check if a binary string has a 0 between 1s or not | Set 2](https://www.geeksforgeeks.org/check-binary-string-0-1s-not-set-2-regular-expression-approach/)
18. [Min flips of continuous characters to make all characters same in a string](https://www.geeksforgeeks.org/min-flips-of-continuous-characters-to-make-all-characters-same-in-a-string/)
19. [Concatenation of two strings in PHP](https://www.geeksforgeeks.org/concatenation-two-string-php/)
20. [Program to add two binary strings](https://www.geeksforgeeks.org/program-to-add-two-binary-strings/)
21. [Convert String into Binary Sequence](https://www.geeksforgeeks.org/convert-string-binary-sequence/)
22. [Generate all binary strings without consecutive 1’s](https://www.geeksforgeeks.org/generate-binary-strings-without-consecutive-1s/)
23. [Minimum number of characters to be removed to make a binary string alternate](https://www.geeksforgeeks.org/minimum-number-characters-removed-make-binary-string-alternate/)
24. [Check divisibility of binary string by 2^k](https://www.geeksforgeeks.org/check-divisibility-binary-string-2k/)
25. Removing elements between the two zeros
26. [Find i’th Index character in a binary string obtained after n iterations](https://www.geeksforgeeks.org/find-ith-index-character-in-a-binary-string-obtained-after-n-iterations/)
27. [Number of substrings with odd decimal value in a binary string](https://www.geeksforgeeks.org/number-of-substrings-with-odd-decimal-value-in-a-binary-string/)
28. [Generate n-bit Gray Codes](https://www.geeksforgeeks.org/given-a-number-n-generate-bit-patterns-from-0-to-2n-1-so-that-successive-patterns-differ-by-one-bit/)
29. [Print N-bit binary numbers having more 1’s than 0’s in all prefixes](https://www.geeksforgeeks.org/print-n-bit-binary-numbers-1s-0s-prefixes/)
30. [Add n binary strings](https://www.geeksforgeeks.org/add-n-binary-strings/)

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**Lexicographic pattern :**

1. [Powet Set in Lexicographic order](https://www.geeksforgeeks.org/powet-set-lexicographic-order/)
2. [Lexicographically n-th permutation of string](https://www.geeksforgeeks.org/lexicographically-n-th-permutation-string/)
3. [Lexicographic rank of string using stl](https://www.geeksforgeeks.org/lexicographic-rank-string-using-stl/)
4. [Lexicographically minimum string rotation | Set 1](https://www.geeksforgeeks.org/lexicographically-minimum-string-rotation/)
5. [Generating distinct subsequences of a given string in lexicographic order](https://www.geeksforgeeks.org/generating-distinct-subsequences-of-a-given-string-in-lexicographic-order/)
6. [Lexicographically smallest string obtained after concatenating array](https://www.geeksforgeeks.org/lexicographically-smallest-string-obtained-concatenating-array/)
7. [Lexicographical Maximum substring of string](https://www.geeksforgeeks.org/lexicographical-maximum-substring-string/)
8. [Lexicographical concatenation of all substrings of a string](https://www.geeksforgeeks.org/lexicographical-concatenation-substrings-string/)
9. [Construct lexicographically smallest palindrome](https://www.geeksforgeeks.org/construct-lexicographically-smallest-palindrome/)
10. [Lexicographically smallest string whose hamming distance from given string is exactly K](https://www.geeksforgeeks.org/lexicographically-smallest-string-whose-hamming-distance-given-string-exactly-k/)
11. [Lexicographically next string](https://www.geeksforgeeks.org/lexicographically-next-string/)
12. [Lexicographically largest subsequence such that every character occurs at least k times](https://www.geeksforgeeks.org/lexicographically-largest-subsequence-every-character-occurs-least-k-times/)
13. [Lexicographically first alternate vowel and consonant string](https://www.geeksforgeeks.org/lexicographically-first-alternate-vowel-consonant-string/)
14. [Find a string in lexicographic order which is in between given two strings](https://www.geeksforgeeks.org/find-string-lexicographic-order-given-two-strings/)
15. [Print all permutations in sorted (lexicographic) order](https://www.geeksforgeeks.org/lexicographic-permutations-of-string/)
16. [How to find Lexicographically previous permutation?](https://www.geeksforgeeks.org/lexicographically-previous-permutation-in-c/)
17. [Find n-th lexicographically permutation of a string | Set 2](https://www.geeksforgeeks.org/find-n-th-lexicographically-permutation-string-set-2/)
18. [Lexicographic rank of a string](https://www.geeksforgeeks.org/lexicographic-rank-of-a-string/)

**Pattern Searching :**

1. [Searching for Patterns | Set 5 (Finite Automata)](https://www.geeksforgeeks.org/searching-for-patterns-set-5-finite-automata/)
2. [Pattern Searching | Set 7 (Boyer Moore Algorithm – Bad Character Heuristic)](https://www.geeksforgeeks.org/pattern-searching-set-7-boyer-moore-algorithm-bad-character-heuristic/)
3. [Manacher’s Algorithm – Linear Time Longest Palindromic Substring – Part 4](https://www.geeksforgeeks.org/manachers-algorithm-linear-time-longest-palindromic-substring-part-4/)
4. [Z algorithm](https://www.geeksforgeeks.org/z-algorithm-linear-time-pattern-searching-algorithm/)
5. [Search a Word in a 2D Grid of characters](https://www.geeksforgeeks.org/search-a-word-in-a-2d-grid-of-characters/)
6. [Printing string in plus ‘+’ pattern in the matrix](https://www.geeksforgeeks.org/printing-string-plus-pattern-matrix/)
7. [Wildcard Pattern Matching](https://www.geeksforgeeks.org/wildcard-pattern-matching/)
8. [Dynamic Programming | Wildcard Pattern Matching | Linear Time and Constant Space](https://www.geeksforgeeks.org/dynamic-programming-wildcard-pattern-matching-linear-time-constant-space/)
9. [Replace a character c1 with c2 and c2 with c1 in a string S](https://www.geeksforgeeks.org/replace-character-c1-c2-c2-c1-string-s/)
10. [Aho-Corasick Algorithm](https://www.geeksforgeeks.org/aho-corasick-algorithm-pattern-searching/)
11. [Count of occurrences of a “1(0+)1” pattern in a string](https://www.geeksforgeeks.org/count-of-occurrences-of-a-101-pattern-in-a-string/)
12. [Find all the patterns of “1(0+)1” in a given string | SET 2](https://www.geeksforgeeks.org/find-patterns-101-given-string-set-2regular-expression-approach/)
13. [In-place replace multiple occurrences of a pattern](https://www.geeksforgeeks.org/place-replace-multiple-occurrences-pattern/)
14. [Find all strings that match specific pattern in a dictionary](https://www.geeksforgeeks.org/find-all-strings-that-match-specific-pattern-in-a-dictionary/)
15. [Check if string follows order of characters defined by a pattern or not](https://www.geeksforgeeks.org/check-if-string-follows-order-of-characters-defined-by-a-pattern-or-not-set-3/)
16. [Find nth term of the Dragon Curve Sequence](https://www.geeksforgeeks.org/find-nth-term-dragon-curve-sequence/)
17. [Count of number of given string in 2D character array](https://www.geeksforgeeks.org/find-count-number-given-string-present-2d-character-array/)

[More >>](https://www.geeksforgeeks.org/category/algorithm/pattern-searching/)

**Split String :**

1. [Tokenizing a string in C++](https://www.geeksforgeeks.org/tokenizing-a-string-cpp/)
2. [Split a sentence into words in C++](https://www.geeksforgeeks.org/split-a-sentence-into-words-in-cpp/)
3. [How to split a string in C/C++, Python and Java?](https://www.geeksforgeeks.org/how-to-split-a-string-in-cc-python-and-java/)
4. [Check if given string can be split into four distinct strings](https://www.geeksforgeeks.org/check-given-string-can-split-four-distinct-strings/)
5. [Split numeric, alphabetic and special symbols from a String](https://www.geeksforgeeks.org/split-numeric-alphabetic-and-special-symbols-from-a-string/)
6. [Splitting a Numeric String](https://www.geeksforgeeks.org/splitting-numeric-string/)
7. [Ways to split string such that each partition starts with distinct character](https://www.geeksforgeeks.org/ways-split-string-partition-starts-distinct-character/)
8. [Partition a number into two divisble parts](https://www.geeksforgeeks.org/partition-number-two-divisble-parts/)
9. [Partition given string in such manner that i’th substring is sum of (i-1)’th and (i-2)’th substring](https://www.geeksforgeeks.org/partition-given-string-manner-ith-substring-sum-1th-2th-substring/)
10. [Breaking a number such that first part is integral division of second by a power of 10](https://www.geeksforgeeks.org/breaking-number-first-part-integral-division-second-power-10/)
11. [Divide a string in N equal parts](https://www.geeksforgeeks.org/divide-a-string-in-n-equal-parts/)
12. [Minimum Word Break](https://www.geeksforgeeks.org/minimum-word-break/)
13. [Word Break Problem](https://www.geeksforgeeks.org/word-break-problem-trie-solution/)
14. [Word Break Problem using Backtracking](https://www.geeksforgeeks.org/word-break-problem-using-backtracking/)

**Balance Parentheses & Bracket Evaluation :**

1. [Identify and mark unmatched parenthesis in an expression](https://www.geeksforgeeks.org/identify-mark-unmatched-parenthesis-expression/)
2. [Cost to Balance the parentheses](https://www.geeksforgeeks.org/cost-balance-parantheses/)
3. [Check for balanced parentheses in an expression | O(1) space](https://www.geeksforgeeks.org/check-balanced-parentheses-expression-o1-space/)
4. [Check for balanced parentheses in an expression](https://www.geeksforgeeks.org/check-for-balanced-parentheses-in-an-expression/)
5. [Length of Longest Balanced Subsequence](https://www.geeksforgeeks.org/length-longest-balanced-subsequence/)
6. [Balanced expression with replacement](https://www.geeksforgeeks.org/balanced-expression-replacement/)
7. [Evaluate a boolean expression represented as string](https://www.geeksforgeeks.org/evaluate-a-boolean-expression-represented-as-string/)
8. [Find maximum depth of nested parenthesis in a string](https://www.geeksforgeeks.org/find-maximum-depth-nested-parenthesis-string/)
9. [Print all ways to break a string in bracket form](https://www.geeksforgeeks.org/print-ways-break-string-bracket-form/)
10. [Find an equal point in a string of brackets](https://www.geeksforgeeks.org/find-equal-point-string-brackets/)
11. [Minimum Swaps for Bracket Balancing](https://www.geeksforgeeks.org/minimum-swaps-bracket-balancing/)
12. [Check if two expressions with brackets are same](https://www.geeksforgeeks.org/check-two-expressions-brackets/)
13. [Expression contains redundant bracket or not](https://www.geeksforgeeks.org/expression-contains-redundant-bracket-not/)
14. [Range Queries for Longest Correct Bracket Subsequence](https://www.geeksforgeeks.org/range-queries-longest-correct-bracket-subsequence/)
15. [Evaluate an array expression with numbers, + and –](https://www.geeksforgeeks.org/evaluate-an-array-expression-with-numbers-and/)
16. [Print Bracket Number](https://www.geeksforgeeks.org/print-bracket-number/)
17. [Find index of closing bracket for a given opening bracket in an expression](https://www.geeksforgeeks.org/find-index-closing-bracket-given-opening-bracket-expression/)
18. [Binary tree to string with brackets](https://www.geeksforgeeks.org/binary-tree-string-brackets/)
19. [Construct Binary Tree from String with bracket representation](https://www.geeksforgeeks.org/construct-binary-tree-string-bracket-representation/)
20. [Minimum number of bracket reversals needed to make an expression balanced](https://www.geeksforgeeks.org/minimum-number-of-bracket-reversals-needed-to-make-an-expression-balanced/)

**Conversion :**

1. [Convert all substrings of length ‘k’ from base ‘b’ to decimal](https://www.geeksforgeeks.org/convert-substrings-length-k-base-b-decimal/)
2. [Convert Binary fraction to Decimal](https://www.geeksforgeeks.org/convert-binary-fraction-decimal/)
3. [Convert decimal fraction to binary number](https://www.geeksforgeeks.org/convert-decimal-fraction-binary-number/)
4. [Convert a sentence into its equivalent mobile numeric keypad sequence](https://www.geeksforgeeks.org/convert-sentence-equivalent-mobile-numeric-keypad-sequence/)
5. [Check if it is possible to convert one string into another with given constraints](https://www.geeksforgeeks.org/check-if-it-is-possible-to-convert-one-string-into-another/)
6. [Converting one string to other using append and delete last operations](https://www.geeksforgeeks.org/converting-one-string-using-append-delete-last-operations/)
7. [Converting Decimal Number lying between 1 to 3999 to Roman Numerals](https://www.geeksforgeeks.org/converting-decimal-number-lying-between-1-to-3999-to-roman-numerals/)
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9. [Inverting the Move to Front Transform](https://www.geeksforgeeks.org/inverting-move-front-transform/)
10. [Burrows – Wheeler Data Transform Algorithm](https://www.geeksforgeeks.org/burrows-wheeler-data-transform-algorithm/)
11. [Check if it is possible to transform one string to another](https://www.geeksforgeeks.org/check-possible-transform-one-string-another/)
12. [Transform the string](https://www.geeksforgeeks.org/transform-the-string/)
13. [An in-place algorithm for String Transformation](https://www.geeksforgeeks.org/an-in-place-algorithm-for-string-transformation/)
14. [Ways of transforming one string to other by removing 0 or more characters](https://www.geeksforgeeks.org/ways-transforming-one-string-removing-0-characters/)
15. [Transform One String to Another using Minimum Number of Given Operation](https://www.geeksforgeeks.org/transform-one-string-to-another-using-minimum-number-of-given-operation/)
16. [Convert Ternary Expression to a Binary Tree](https://www.geeksforgeeks.org/convert-ternary-expression-binary-tree/)
17. [Prefix to Infix Conversion](https://www.geeksforgeeks.org/prefix-infix-conversion/)
18. [Prefix to Postfix Conversion](https://www.geeksforgeeks.org/prefix-postfix-conversion/)
19. [Postfix to Prefix Conversion](https://www.geeksforgeeks.org/postfix-prefix-conversion/)
20. [Postfix to Infix](https://www.geeksforgeeks.org/postfix-to-infix/)

**Misc :**

1. [Word Wrap problem ( Space optimized solution )](https://www.geeksforgeeks.org/word-wrap-problem-space-optimized-solution/)
2. [Form minimum number from given sequence](https://www.geeksforgeeks.org/form-minimum-number-from-given-sequence/)
3. [Maximum number of characters between any two same character in a string](https://www.geeksforgeeks.org/maximum-number-characters-two-character-string/)
4. [Print shortest path to print a string on screen](https://www.geeksforgeeks.org/print-shortest-path-print-string-screen/)
5. [Minimum number of stops from given path](https://www.geeksforgeeks.org/minimum-number-stops-given-path/)
6. [Check whether second string can be formed from characters of first string](https://www.geeksforgeeks.org/check-whether-second-string-can-formed-first-string-using-count-array/)
7. [Mirror characters of a string](https://www.geeksforgeeks.org/mirror-characters-string/)
8. Find words which are greater than given length k
9. [Find last index of a character in a string](https://www.geeksforgeeks.org/find-last-index-character-string/)
10. [Find position of the given number among the numbers made of 4 and 7](https://www.geeksforgeeks.org/find-position-given-number-among-numbers-made-4-7/)
11. [Find winner of an election where votes are represented as candidate names](https://www.geeksforgeeks.org/find-winner-election-votes-represented-candidate-names/)
12. [Compare Version Numbers with large inputs allowed](https://www.geeksforgeeks.org/compare-version-numbers-large-inputs-allowed/)
13. [Possibility of moving out of maze](https://www.geeksforgeeks.org/possibility-moving-maze/)
14. [Possibility of a word from a given set of characters](https://www.geeksforgeeks.org/possibility-of-a-word-from-a-given-set-of-characters/)
15. [Find the arrangement of queue at given time](https://www.geeksforgeeks.org/find-arrangement-queue-given-time/)
16. [Program to generate all possible valid IP addresses from given string](https://www.geeksforgeeks.org/program-generate-possible-valid-ip-addresses-given-string/)
17. [Program to validate an IP address](https://www.geeksforgeeks.org/program-to-validate-an-ip-address/)
18. [Program to check for a Valid IMEI Number](https://www.geeksforgeeks.org/program-check-valid-imei-number/)
19. [Decode a median string to the original string](https://www.geeksforgeeks.org/decode-median-string-original-string/)
20. [Decode a string recursively encoded as count followed by substring](https://www.geeksforgeeks.org/decode-string-recursively-encoded-count-followed-substring/)
21. [Minimal operations to make a number magical](https://www.geeksforgeeks.org/minimal-operations-make-number-magical/)
22. [Program to check for ISBN](https://www.geeksforgeeks.org/program-check-isbn/)
23. [Program for credit card number validation](https://www.geeksforgeeks.org/program-credit-card-number-validation/)
24. [Maximize a number considering permutations with values smaller than limit](https://www.geeksforgeeks.org/maximize-a-number-considering-permutations-with-values-smaller-than-limit/)
25. [Find if a string starts and ends with another given string](https://www.geeksforgeeks.org/program-find-string-start-end-geeks/)