**String :**

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| --- | --- | --- |
|  | **Description** | **Status** |
|  | Function to copy string |  |
|  | Pangram Checking |  |
|  | Missing characters to make a string Pangram |  |
|  | Check if a string is Pangrammatic Lipogram |  |
|  | Removing punctuations from a given string |  |
|  | Rearrange characters in a string such that no two adjacent are same |  |
|  | Program to check if input is an integer or a string |  |
|  | Quick way to check if all the characters of a string are same |  |
|  | Program to find the initials of a name |  |
|  | Check Whether a number is Duck Number or not |  |
|  | Round the given number to nearest multiple of 10 |  |
|  | Change string to a new character set |  |
|  | Find one extra character in a string |  |
|  | String Class in Java |  |
|  | String in Switch Case in Java |  |
|  | Java program to swap first and last characters of words in a sentence |  |
|  | Java program to expand a String if range is given? |  |
|  | Check if a given string is a valid number (Integer or Floating Point) in Java | SET 2 (Regular Expression approach) |  |
|  | Get the first letter of each word in a string using regex in Java |  |
|  | Reverse words in a given String in Java |  |
|  | Reverse a string in Java (5 Different Ways) |  |
|  | Compare two strings lexicographically in Java |  |
|  | Searching characters and substring in a String in Java |  |
|  | Possible Words using given characters in Python |  |
|  | Using Set() in Python Pangram Checking |  |
|  | Using OrderedDict() in Python to check order of characters in string |  |
|  | Print anagrams together in Python using List and Dictionary |  |
|  | K’th Non-repeating Character in Python using List Comprehension and OrderedDict |  |
|  | Prefix matching in Python using pytrie module |  |
|  | Print number with commas as 1000 separators in Python |  |
|  | Pattern Occurrences : Stack Implementation Java |  |
|  | String Methods in Python : Set 1 , Set 2 , Set 3 |  |
|  | Dictionary and counter in Python to find winner of election |  |
|  | Maximum length of consecutive 1’s in a binary string in Python using Map function |  |
|  | Python code to print common characters of two Strings in alphabetical order |  |
|  | Using Counter() in Python to find minimum character removal to make two strings anagram |  |
|  | Reverse string in Python |  |
|  | Python groupby method to remove all consecutive duplicates |  |
|  | Generate two output strings depending upon occurrence of character in input string in Python |  |
|  | Python Dictionary to find mirror characters in a string |  |
|  | Python | Convert a list of characters into a string |  |
|  | Map function and Lambda expression in Python to replace characters |  |
|  | Zip function in Python to change to a new character set |  |
|  | SequenceMatcher in Python for Longest Common Substring |  |
|  | Python | Print the initials of a name with last name in full |  |
|  | Python counter and dictionary intersection example (Make a string using deletion and rearrangement) |  |
|  | Python program to count number of vowels using sets in given string |  |
|  | Python set to check if string is panagram |  |
|  | Python | Check if a Substring is Present in a Given String |  |
|  | Python sorted() to check if two strings are anagram or not |  |
|  | Python | Remove leading zeros from an IP address |  |
|  | Python | Count all prefixes in given string with greatest frequency |  |
|  | Check if both halves of the string have same set of characters in Python |  |
|  | Concatenated string with uncommon characters in Python |  |
|  | Second most repeated word in a sequence in Python |  |
|  | Regex in Python to put spaces between words starting with capital letters |  |
|  | Python code to move spaces to front of string in single traversal |  |
|  | String slicing in Python to rotate a string |  |
|  | String slicing in Python to check if a string can become empty by recursive deletion |  |
|  | Reverse words in a given String in Python |  |
|  | Run Length Encoding in Python |  |
|  | Anagram checking in Python using collections.Counter() |  |
|  | Remove all duplicates from a given string in Python |  |
|  | Remove all consecutive duplicates from the string |  |
|  | Python program to check if a string is palindrome or not |  |
|  | Array of Strings in C++ (3 Different Ways to Create) |  |
|  | Strings in C |  |
|  | Storage for Strings in C |  |
|  | sprintf() in C |  |
|  | C program to find second most frequent character |  |
|  | C Program to Sort an array of names or strings |  |
|  | C++ Program to remove spaces from a string |  |
|  | String Class in C++ |  |
|  | C++ program to concatenate a string given number of times |  |
|  | std::string::append vs std::string::push\_back() vs Operator += in C++ |  |
|  | Comparing two strings in C++ |  |
|  | Convert string to char array in C++ |  |
|  | Extract all integers from string in C++ |  |
|  | std::regex\_match, std::regex\_replace() | Regex (Regular Expression) In C++ |  |
|  | C program to Replace a word in a text by another given word |  |
|  | stringstream in C++ and its applications |  |
|  | C++ string class and its applications |  |
|  | Smallest number with sum of digits as N and divisible by 10^N |  |
|  | Minimum sum of squares of character counts in a given string after removing k characters |  |
|  | Maximum and minimum sums from two numbers with digit replacements |  |
|  | Check if a given string is sum-string |  |
|  | Sum of two large numbers |  |
|  | Calculate sum of all numbers present in a string |  |
|  | Extract maximum numeric value from a given string |  |
|  | Calculate maximum value using ‘+’ or ‘\*’ sign between two numbers in a string |  |
|  | Maximum segment value after putting k breakpoints in a number |  |
|  | Difference of two large numbers |  |
|  | Check if a large number is divisible by 4 or not |  |
|  | Check if a large number is divisible by 11 or not |  |
|  | Number of substrings divisible by 6 in a string of integers |  |
|  | Decimal representation of given binary string is divisible by 5 or not |  |
|  | Number of substrings divisible by 8 but not by 3 |  |
|  | To check divisibility of any large number by 999 |  |
|  | Multiply Large Numbers represented as Strings |  |
|  | Divide large number represented as string |  |
|  | Remainder with 7 for large numbers |  |
|  | Given two numbers as strings, find if one is a power of other |  |
|  | Check whether a given number is even or odd |  |
|  | Product of nodes at k-th level in a tree represented as string |  |
|  | Program to find remainder when large number is divided by 11 |  |
|  | Ways to remove one element from a binary string so that XOR becomes zero |  |
|  | Find the maximum subarray XOR in a given array |  |
|  | Calculate the difficulty of a sentence |  |
|  | Minimum Index Sum for Common Elements of Two Lists |  |
|  | Count Uppercase, Lowercase, special character and numeric values |  |
|  | Find the smallest window in a string containing all characters of another string |  |
|  | Smallest window that contains all characters of string itself |  |
|  | Count number of substrings with exactly k distinct characters |  |
|  | Number of substrings with count of each character as k |  |
|  | String with k distinct characters and no same characters adjacent |  |
|  | Number of substrings of a string |  |
|  | Distinct strings with odd and even changes allowed |  |
|  | Find k’th character of decrypted string |  |
|  | Count characters at same position as in English alphabets |  |
|  | Count words in a given string |  |
|  | Count words present in a string |  |
|  | Count of words whose i-th letter is either (i-1)-th, i-th, or (i+1)-th letter of given word |  |
|  | Program to find Smallest and Largest Word in a String |  |
|  | Count substrings with same first and last characters |  |
|  | Recursive solution to count substrings with same first and last characters |  |
|  | Count of distinct substrings of a string using Suffix Array |  |
|  | Count of distinct substrings of a string using Suffix Trie |  |
|  | Count number of strings (made of R, G and B) using given combination |  |
|  | Count of strings that can be formed using a, b and c under given constraints |  |
|  | Count of substrings of a binary string containing K ones |  |
|  | Group words with same set of characters |  |
|  | Print all distinct characters of a string in order (3 Methods) |  |
|  | Print common characters of two Strings in alphabetical order |  |
|  | Common characters in n strings |  |
|  | Find uncommon characters of the two strings |  |
|  | Concatenated string with uncommon characters of two strings |  |
|  | Program to remove vowels from a String |  |
|  | Remove consecutive vowels from string |  |
|  | Program to count vowels in a string (Iterative and Recursive) |  |
|  | Count consonants in a string (Iterative and recursive methods) |  |
|  | Alternate vowel and consonant string |  |
|  | Given a binary string, count number of substrings that start and end with 1 |  |
|  | Number of distinct permutation a String can have |  |
|  | Time complexity of all permutations of a string |  |
|  | Permutations of a given string using STL |  |
|  | Check if both halves of the string have same set of characters |  |
|  | Count words that appear exactly two times in an array of words |  |
|  | Check if frequency of all characters can become same by one removal |  |
|  | Check if a string has all characters with same frequency with one variation allowed |  |
|  | Count ways to increase LCS length of two strings by one |  |
|  | Find the character in first string that is present at minimum index in second string |  |
|  | Remove characters from the first string which are present in the second string |  |
|  | Length of Longest sub-string that can be removed |  |
|  | Count of character pairs at same distance as in English alphabets |  |
|  | Count number of equal pairs in a string |  |
|  | Count of strings where adjacent characters are of difference one |  |
|  | Print number of words, vowels and frequency of each character |  |
|  | Perfect reversible string |  |
|  | Reversing an Equation |  |
|  | Left Rotation and Right Rotation of a String |  |
|  | Generate all rotations of a given string |  |
|  | Minimum rotations required to get the same string |  |
|  | Check if strings are rotations of each other or not |  |
|  | Check if a string can be obtained by rotating another string 2 places |  |
|  | Count rotations divisible by 4 |  |
|  | Check if all rows of a matrix are circular rotations of each other |  |
|  | Print reverse of a string using recursion |  |
|  | Print words of a string in reverse order |  |
|  | Program to reverse a string (Iterative and Recursive) |  |
|  | Write a program to reverse an array or string |  |
|  | Reverse an array without affecting special characters |  |
|  | Reverse words in a given string |  |
|  | Reverse individual words |  |
|  | Reverse a string preserving space positions |  |
|  | Reverse string without using any temporary variable |  |
|  | Print reverse string after removing vowels |  |
|  | Reverse vowels in a given string |  |
|  | Reverse String according to the number of words |  |
|  | Reverse each word in a linked list node |  |
|  | Find if an array of strings can be chained to form a circle |  |
|  | Sort an array of strings according to string lengths |  |
|  | Sorting array of strings (or words) using Trie |  |
|  | Sort string of characters |  |
|  | Alternate Lower Upper String Sort |  |
|  | Program to sort string in descending order |  |
|  | Print array of strings in sorted order without copying one string into another |  |
|  | Sort the given string using character search |  |
|  | Given a sorted dictionary of an alien language, find order of characters |  |
|  | Rearrange a string in sorted order followed by the integer sum |  |
|  | Print distinct sorted permutations with duplicates allowed in input |  |
|  | Minimum cost to sort strings using reversal operations of different costs |  |
|  | Print number in ascending order which contains 1, 2 and 3 in their digits. |  |
|  | Search in an array of strings where non-empty strings are sorted |  |
|  | Sparse Search |  |
|  | Lower case to upper case – An interesting fact |  |
|  | isupper() and islower() and their application in C++ |  |
|  | Case conversion (Lower to Upper and Vice Versa) of a string using BitWise operators in C/C++ |  |
|  | Maximum distinct lowercase alphabets between two uppercase |  |
|  | First uppercase letter in a string (Iterative and Recursive) |  |
|  | Convert characters of a string to opposite case |  |
|  | gOOGLE cASE of a given sentence |  |
|  | Print all words matching a pattern in CamelCase Notation Dictonary |  |
|  | Camel case of a given sentence |  |
|  | Permute a string by changing case |  |
|  | Toggle case of a string using Bitwise Operators |  |
|  | How to design a tiny URL or URL shortener? |  |
|  | Given a string, find its first non-repeating character |  |
|  | Print all permutations with repetition of characters |  |
|  | Find the first non-repeating character from a stream of characters |  |
|  | Convert to a string that is repetition of a substring of k length |  |
|  | Smallest length string with repeated replacement of two distinct adjacent |  |
|  | Distributing all balls without repetition |  |
|  | Maximum consecutive repeating character in string |  |
|  | Minimum number of deletions so that no two consecutive are same |  |
|  | K’th Non-repeating Character |  |
|  | Find repeated character present first in a string |  |
|  | Find the first repeated word in a string |  |
|  | Find the first repeated character in a string |  |
|  | Second most repeated word in a sequence |  |
|  | Most frequent word in an array of strings |  |
|  | Efficiently find first repeated character in a string without using any additional data structure in one traversal |  |
|  | Queries for characters in a repeated string |  |
|  | Return maximum occurring character in an input string |  |
|  | Generate two output strings depending upon occurrence of character in input string. |  |
|  | Print characters and their frequencies in order of occurrence |  |
|  | Program to count occurrence of a given character in a string |  |
|  | Check if all occurrences of a character appear together |  |
|  | Group all occurrences of characters according to first appearance |  |
|  | Print the string by ignoring alternate occurrences of any character |  |
|  | Print the string after the specified character has occurred given no. of times |  |
|  | Find all occurrences of a given word in a matrix |  |
|  | Replace all occurrences of string AB with C without using extra space |  |
|  | Rearrange a binary string as alternate x and y occurrences |  |
|  | Remove recurring digits in a given number |  |
|  | Find the most frequent digit without using array/string |  |
|  | Remove spaces from a given string |  |
|  | Move spaces to front of string in single traversal |  |
|  | Put spaces between words starting with capital letters |  |
|  | Removing spaces from a string using Stringstream |  |
|  | Remove extra spaces from a string |  |
|  | URLify a given string (Replace spaces is %20) |  |
|  | String containing first letter of every word in a given string with spaces |  |
|  | Print all possible strings that can be made by placing spaces |  |
|  | Print all possible strings that can be made by placing spaces |  |
|  | Longest subsequence where every character appears at-least k times |  |
|  | Given two strings, find if first string is a subsequence of second |  |
|  | Number of subsequences of the form a^i b^j c^k |  |
|  | Number of subsequences in a string divisible by n |  |
|  | Find number of times a string occurs as a subsequence in given string |  |
|  | Number of subsequences as “ab” in a string repeated K times |  |
|  | Count of ‘GFG’ Subsequences in the given string |  |
|  | Count Distinct Subsequences |  |
|  | Count distinct occurrences as a subsequence |  |
|  | Longest common subsequence with permutations allowed |  |
|  | Repeated subsequence of length 2 or more |  |
|  | Count distinct occurrences as a subsequence |  |
|  | Print all longest common sub-sequences in lexicographical order |  |
|  | Printing Longest Common Subsequence | Set 2 |  |
|  | Given a number as a string, find the number of contiguous subsequences which recursively add up to 9 | Set 2 |  |
|  | Shortest Uncommon Subsequence |  |
|  | Shortest Superstring Problem |  |
|  | Printing Shortest Common Supersequence |  |
|  | Shortest possible combination of two strings |  |
|  | A Space Optimized Solution of LCS |  |
|  | Check if a string has all characters with same frequency with one variation allowed |  |
|  | Shortest Common Supersequence |  |
|  | Longest Repeating Subsequence |  |
|  | Find largest word in dictionary by deleting some characters of given string |  |
|  | Dynamic Programming | Set 12 (Longest Palindromic Subsequence) |  |
|  | Check if a string can become empty by recursively deleting a given sub-string |  |
|  | Minimum number of palindromic subsequences to be removed to empty a binary string |  |
|  | Count All Palindromic Subsequence in a given String |  |
|  | Queries on subsequence of string |  |
|  | Print all subsequences of a string |  |
|  | Print all Subsequences of String which Start with Vowel and End with Consonant. |  |
|  | Maximum length prefix of one string that occurs as subsequence in another |  |
|  | Longest Common Prefix |  |
|  | Find shortest unique prefix for every word in a given list |  |
|  | String from prefix and suffix of given two strings |  |
|  | Find minimum shift for longest common prefix |  |
|  | Prefixes with more a than b |  |
|  | Length of longest balanced parentheses prefix |  |
|  | Check if a string is suffix of another |  |
|  | Number of ways to insert a character to increase the LCS by one |  |
|  | LCS (Longest Common Subsequence) of three strings |  |
|  | Longest Common Extension |  |
|  | Frequency of a substring in a string |  |
|  | Frequency of a string in an array of strings |  |
|  | Substring with highest frequency length product |  |
|  | Length of the longest substring with equal 1s and 0s |  |
|  | Longest substring of vowels |  |
|  | Substrings starting with vowel and ending with consonants and vice versa |  |
|  | Find substrings that contain all vowels |  |
|  | Find if a given string can be represented from a substring by iterating the substring “n” times |  |
|  | Check if two strings have a common substring |  |
|  | Print the longest common substring |  |
|  | Longest common substring in binary representation of two numbers |  |
|  | Longest Common Substring in an Array of Strings |  |
|  | Longest Common Substring (Space optimized DP solution) |  |
|  | Longest sub-string having frequency of each character less than equal to k |  |
|  | Find the longest substring with k unique characters in a given string |  |
|  | Print Longest substring without repeating characters |  |
|  | Longest substring of 0s in a string formed by k concatenations |  |
|  | Maximum length substring having all same characters after k changes |  |
|  | Shortest substring of a string containing all given words |  |
|  | Check if a two character string can be made using given words |  |
|  | Check if a string is substring of another |  |
|  | Find length of longest subsequence of one string which is substring of another string |  |
|  | Longest repeating and non-overlapping substring |  |
|  | Length of the longest valid substring |  |
|  | Length Of Last Word in a String |  |
|  | Longest Even Length Substring such that Sum of First and Second Half is same |  |
|  | Recursive function to do substring search |  |
|  | Program to print all substrings of a given string |  |
|  | Find sub-string with given power |  |
|  | Encrypt string with product of number of vowels and consonants in substring of size k |  |
|  | Different substrings in a string that start and end with given strings |  |
|  | Find the starting indices of the substrings in string (S) which is made by concatenating all words from a list(L) |  |
|  | Sum of all substrings of a string representing a number |  |
|  | Count Substrings with equal number of 0s, 1s and 2s |  |
|  | Count substrings with each character occurring at most k times |  |
|  | Number of even substrings in a string of digits |  |
|  | Length of the smallest sub-string consisting of maximum distinct characters |  |
|  | Number of sub-strings which are anagram of any sub-string of another string |  |
|  | Count Occurences of Anagrams |  |
|  | Longest common anagram subsequence from N strings |  |
|  | Check if two strings are permutation of each other |  |
|  | Covert string X to an anagram of string Y with minimum replacements |  |
|  | Count subsequences in first string which are anagrams of the second string |  |
|  | Python Counter to find the size of largest subset of anagram words |  |
|  | Longest Common Anagram Subsequence |  |
|  | Python sorted() to check if two strings are anagram or not |  |
|  | Find the size of largest subset of anagram words |  |
|  | Using Counter() in Python to find minimum character removal to make two strings anagram |  |
|  | Print anagrams together in Python using List and Dictionary |  |
|  | Anagram checking in Python using collections.Counter() |  |
|  | Check if any anagram of a string is palindrome or not |  |
|  | Minimum Number of Manipulations required to make two Strings Anagram Without Deletion of Character |  |
|  | Yatra.com Interview Experience | Set 7 |  |
|  | Check if binary representation of a given number and its complement are anagram |  |
|  | Check if all levels of two trees are anagrams or not |  |
|  | Given a sequence of words, print all anagrams together using STL |  |
|  | Amazon Interview Experience | Set 357 (For 2.5 Years Experienced) |  |
|  | C Program to Check if a Given String is Palindrome |  |
|  | Check if a given string is a rotation of a palindrome |  |
|  | C++ Program to print all palindromes in a given range |  |
|  | Check if characters of a given string can be rearranged to form a palindrome |  |
|  | Dynamic Programming | Set 28 (Minimum insertions to form a palindrome) |  |
|  | Longest Palindromic Substring | Set 2 |  |
|  | Find all palindromic sub-strings of a given string |  |
|  | Online algorithm for checking palindrome in a stream |  |
|  | Given a string, print all possible palindromic partitions |  |
|  | Print all palindromic partitions of a string |  |
|  | Dynamic Programming | Set 17 (Palindrome Partitioning) |  |
|  | Count All Palindromic Subsequence in a given String |  |
|  | Minimum characters to be added at front to make string palindrome |  |
|  | Palindrome Substring Queries |  |
|  | Suffix Tree Application 6 – Longest Palindromic Substring |  |
|  | Palindrome pair in an array of words (or strings) |  |
|  | Make largest palindrome by changing at most K-digits |  |
|  | Lexicographically first palindromic string |  |
|  | Recursive function to check if a string is palindrome |  |
|  | Minimum number of Appends needed to make a string palindrome |  |
|  | Longest Non-palindromic substring |  |
|  | Minimum number of deletions to make a string palindrome |  |
|  | Minimum steps to delete a string after repeated deletion of palindrome substrings |  |
|  | Count of Palindromic substrings in an Index range |  |
|  | Minimum insertions to form a palindrome with permutations allowed |  |
|  | Nth Even length Palindrome |  |
|  | Given a number, find the next smallest palindrome |  |
|  | Smallest Palindrome after replacement |  |
|  | Minimum insertions to form shortest palindrome |  |
|  | Find longest palindrome formed by removing or shuffling chars from string |  |
|  | Print all palindrome permutations of a string |  |
|  | Palindrome Substring Queries |  |
|  | Remove a character from a string to make it a palindrome |  |
|  | Print all palindromic partitions of a string |  |
|  | Check for Palindrome after every character replacement Query |  |
|  | Queries on substring palindrome formation |  |
|  | Palindrome pair in an array of words (or strings) |  |
|  | Minimum number of Appends needed to make a string palindrome |  |
|  | Minimum steps to delete a string after repeated deletion of palindrome substrings |  |
|  | Longest Possible Chunked Palindrome |  |
|  | Sentence Palindrome (Palindrome after removing spaces, dots, .. etc) |  |
|  | Count All Palindrome Sub-Strings in a String |  |
|  | Count palindromic characteristics of a String |  |
|  | Print longest palindrome word in a sentence |  |
|  | Lexicographically next greater string using same character set |  |
|  | Largest palindromic number by permuting digits |  |
|  | Count palindrome words in a sentence |  |
|  | Count special palindromes in a String |  |
|  | Remove all the palindromic words from the given sentence |  |
|  | Rearrange characters to form palindrome if possible |  |
|  | Print the arranged positions of characters to make palindrome |  |
|  | Number of palindromic permutations |  |
|  | Minimum removal to make palindrome permutation |  |
|  | Closest Palindrome Number (absolute difference Is min) |  |
|  | Convert the string into palindrome string by changing only one character. |  |
|  | Check if actual binary representation of a number is palindrome |  |
|  | Count maximum-length palindromes in a String |  |
|  | Make a lexicographically smallest palindrome with minimal changes |  |
|  | Next word that does not contain a palindrome and has characters from first k |  |
|  | Number of strings of length N with no palindromic sub string |  |
|  | Print Longest Palindromic Subsequence |  |
|  | Minimum cost to convert string into palindrome |  |
|  | Binary String of given length that without a palindrome of size 3 |  |
|  | Count All Palindrome Sub-Strings in a String |  |
|  | Check if any anagram of a string is palindrome or not |  |
|  | Minimum reduce operations to covert a given string into a palindrome |  |
|  | Next higher palindromic number using the same set of digitsNext higher palindromic number using the same set of digits |  |
|  | Number of positions where a letter can be inserted such that a string becomes palindrome |  |
|  | Print all the palindromic permutations of given string in alphabetic order |  |
|  | Minimum equal palindromic cuts with rearrangements allowed |  |
|  | Sum of first K even-length Palindrome numbers |  |
|  | Form the largest palindromic number using atmost two swaps |  |
|  | Palindrome by swapping only one character |  |
|  | Check if two strings are k-anagrams or not |  |
|  | Check if binary representations of two numbers are anagram |  |
|  | Remove minimum number of characters so that two strings become anagram |  |
|  | Project Idea | (A Game of Anagrams ) |  |
|  | Print all pairs of anagrams in a given array of strings |  |
|  | Anagram Substring Search (Or Search for all permutations) |  |
|  | Given a sequence of words, print all anagrams together | Set 2 |  |
|  | Check whether two strings are anagram of each other |  |
|  | Powet Set in Lexicographic order |  |
|  | Lexicographically n-th permutation of string |  |
|  | Lexicographic rank of string using stl |  |
|  | Lexicographically minimum string rotation | Set 1 |  |
|  | Generating distinct subsequences of a given string in lexicographic order |  |
|  | Lexicographically smallest string obtained after concatenating array |  |
|  | Lexicographical Maximum substring of string |  |
|  | Lexicographical concatenation of all substrings of a string |  |
|  | Construct lexicographically smallest palindrome |  |
|  | Lexicographically smallest string whose hamming distance from given string is exactly K |  |
|  | Lexicographically next string |  |
|  | Lexicographically largest subsequence such that every character occurs at least k times |  |
|  | Lexicographically first alternate vowel and consonant string |  |
|  | Find a string in lexicographic order which is in between given two strings |  |
|  | Print all permutations in sorted (lexicographic) order |  |
|  | How to find Lexicographically previous permutation? |  |
|  | Find n-th lexicographically permutation of a string | Set 2 |  |
|  | Lexicographic rank of a string |  |
|  | Tokenizing a string in C++ |  |
|  | Split a sentence into words in C++ |  |
|  | How to split a string in C/C++, Python and Java? |  |
|  | Check if given string can be split into four distinct strings |  |
|  | Split numeric, alphabetic and special symbols from a String |  |
|  | Splitting a Numeric String |  |
|  | Ways to split string such that each partition starts with distinct character |  |
|  | Partition a number into two divisble parts |  |
|  | Partition given string in such manner that i’th substring is sum of (i-1)’th and (i-2)’th substring |  |
|  | Breaking a number such that first part is integral division of second by a power of 10 |  |
|  | Divide a string in N equal parts |  |
|  | Minimum Word Break |  |
|  | Word Break Problem |  |
|  | Word Break Problem using Backtracking |  |
|  | Identify and mark unmatched parenthesis in an expression |  |
|  | Cost to Balance the parentheses |  |
|  | Check for balanced parentheses in an expression | O(1) space |  |
|  | Check for balanced parentheses in an expression |  |
|  | Length of Longest Balanced Subsequence |  |
|  | Balanced expression with replacement |  |
|  | Evaluate a boolean expression represented as string |  |
|  | Find maximum depth of nested parenthesis in a string |  |
|  | Print all ways to break a string in bracket form |  |
|  | Find an equal point in a string of brackets |  |
|  | Minimum Swaps for Bracket Balancing |  |
|  | Check if two expressions with brackets are same |  |
|  | Expression contains redundant bracket or not |  |
|  | Range Queries for Longest Correct Bracket Subsequence |  |
|  | Evaluate an array expression with numbers, + and – |  |
|  | Print Bracket Number |  |
|  | Find index of closing bracket for a given opening bracket in an expression |  |
|  | Binary tree to string with brackets |  |
|  | Construct Binary Tree from String with bracket representation |  |
|  | Minimum number of bracket reversals needed to make an expression balanced |  |
|  | Convert all substrings of length ‘k’ from base ‘b’ to decimal |  |
|  | Convert Binary fraction to Decimal |  |
|  | Convert decimal fraction to binary number |  |
|  | Convert a sentence into its equivalent mobile numeric keypad sequence |  |
|  | Check if it is possible to convert one string into another with given constraints |  |
|  | Converting one string to other using append and delete last operations |  |
|  | Converting Decimal Number lying between 1 to 3999 to Roman Numerals |  |
|  | Converting Roman Numerals to Decimal lying between 1 to 3999 |  |
|  | Inverting the Move to Front Transform |  |
|  | Burrows – Wheeler Data Transform Algorithm |  |
|  | Check if it is possible to transform one string to another |  |
|  | Transform the string |  |
|  | An in-place algorithm for String Transformation |  |
|  | Ways of transforming one string to other by removing 0 or more characters |  |
|  | Transform One String to Another using Minimum Number of Given Operation |  |
|  | Convert Ternary Expression to a Binary Tree |  |
|  | Prefix to Infix Conversion |  |
|  | Prefix to Postfix Conversion |  |
|  | Postfix to Prefix Conversion |  |
|  | Postfix to Infix |  |
|  | Word Wrap problem ( Space optimized solution ) |  |
|  | Form minimum number from given sequence |  |
|  | Maximum number of characters between any two same character in a string |  |
|  | Print shortest path to print a string on screen |  |
|  | Minimum number of stops from given path |  |
|  | Check whether second string can be formed from characters of first string |  |
|  | Mirror characters of a string |  |
|  | Find words which are greater than given length k |  |
|  | Find last index of a character in a string |  |
|  | Find position of the given number among the numbers made of 4 and 7 |  |
|  | Find winner of an election where votes are represented as candidate names |  |
|  | Compare Version Numbers with large inputs allowed |  |
|  | Possibility of moving out of maze |  |
|  | Possibility of a word from a given set of characters |  |
|  | Find the arrangement of queue at given time |  |
|  | Program to generate all possible valid IP addresses from given string |  |
|  | Program to validate an IP address |  |
|  | Program to check for a Valid IMEI Number |  |
|  | Decode a median string to the original string |  |
|  | Decode a string recursively encoded as count followed by substring |  |
|  | Minimal operations to make a number magical |  |
|  | Program to check for ISBN |  |
|  | Program for credit card number validation |  |
|  | Maximize a number considering permutations with values smaller than limit |  |
|  | Find if a string starts and ends with another given string |  |
|  | Program to build DFA that starts and end with ‘a’ from input (a, b) |  |
|  | Make a string from another by deletion and rearrangement of characters |  |
|  | Create a new string by alternately combining the characters of two halves of the string in reverse |  |
|  | Morse Code Implementation |  |
|  | Tribonacci Word |  |
|  | Find numbers of balancing positions in string |  |
|  | Program to check if first and the last characters of string are equal |  |
|  | Minimum rooms for m events of n batches with given schedule |  |
|  | Simplify the directory path (Unix like) |  |
|  | Program for longest common directory path |  |
|  | Merge two strings in chunks of given size |  |
|  | Minimal moves to form a string by adding characters or appending string itself |  |
|  | Remove the forbidden strings |  |
|  | Strong Password Suggester Program |  |
|  | Program to check Strength of Password |  |
|  | Program for length of the longest word in a sentence |  |
|  | Check if a string is Isogram or not |  |
|  | Find all strings formed from characters mapped to digits of a number |  |
|  | Write a program to print all permutations of a given string |  |
|  | Print list items containing all characters of a given word |  |
|  | Print all valid words that are possible using Characters of Array |  |
|  | Run Length Encoding |  |
|  | Print all the duplicates in the input string |  |
|  | Recursively remove all adjacent duplicates |  |
|  | Remove all duplicates from a given string |  |
|  | Remove three consecutive duplicates from string |  |
|  | Efficiently check if a string has duplicates without using any additional data structure |  |
|  | Remove “b” and “ac” from a given string |  |
|  | Remove all characters other than alphabets from string |  |
|  | Program to extract words from a given String |  |
|  | String matching where one string contains wildcard characters |  |
|  | Find if an array contains a string with one mismatch |  |
|  | Consecutive sequenced numbers in a string |  |
|  | Print all interleavings of given two strings |  |
|  | Dynamic Programming | Set 33 (Find if a string is interleaved of two other strings) |  |
|  | Find Excel column name from a given column number |  |
|  | Find Excel column number from column title |  |
|  | Print all possible words from phone digits |  |
|  | Mobile Numeric Keypad Problem |  |
|  | Recursively print all sentences that can be formed from list of word lists |  |
|  | Position of robot after given movements |  |
|  | Check if a given sequence of moves for a robot is circular or not |  |
|  | Function to find Number of customers who could not get a computer |  |
|  | Determine if a string has all Unique Characters |  |
|  | Minimize number of unique characters in string |  |
|  | All possible strings of any length that can be formed from a given string |  |
|  | Check a given sentence for a given set of simple grammer rules |  |
|  | Rearrange a string so that all same characters become d distance away |  |
|  | Check if edit distance between two strings is one |  |
|  | Hamming Distance between two strings |  |
|  | Check whether Strings are k distance apart or not |  |
|  | Recursive Implementation of atoi() |  |
|  | Write your own atoi() |  |
|  | Write your own strcmp that ignores cases |  |
|  | Check if two given strings are isomorphic to each other |  |
|  | Print string of odd length in ‘X’ format |  |
|  | Sorting array with conditional swapping |  |
|  | Check if characters of one string can be swapped to form other |  |
|  | Form the smallest number using at most one swap operation |  |
|  | Largest even number possible by using one swap operation in given number |  |
|  | Next higher number using atmost one swap operation |  |
|  | Interchanging first and second halves of stings |  |
|  | All combinations of strings that can be used to dial a number |  |
|  | Alphanumeric Abbreviations of a String |  |
|  | Look-and-Say Sequence |  |
|  | Build Lowest Number by Removing n digits from a given number |  |
|  | Find the Number which contain the digit d |  |
|  | Pairs of complete strings in two sets of strings |  |
|  | Program to toggle all characters in a string |  |
|  | Change gender of a given string |  |
|  | Ropes Data Structure (Fast String Concatenation) |  |
|  | Number of pairs with Pandigital Concatenation |  |
|  | Pairs whose concatenation contain all digits |  |
|  | Nth character in Concatenated Decimal String |  |
|  | Print Concatenation of Zig-Zag String in ‘n’ Rows |  |
|  | Group Shifted String |  |
|  | String with additive sequence |  |
|  | Print consecutive characters together in a line |  |
|  | Program for length of a string using recursion |  |
|  | Check length of a string is equal to the number appended at its last |  |
|  | Sums of ASCII values of each word in a sentence |  |
|  | Program to find the largest and smallest ASCII valued characters in a string |  |
|  | Print all funny words in a string |  |
|  | Prime String |  |
|  | Roll the characters of string |  |
|  | Perfect Square String |  |
|  | Find the missing number in a string of numbers with no separator |  |
|  | Missing Permutations in a list |  |
|  | Program to replace a word with asterisks in a sentence |  |
|  | Meta Strings (Check if two strings can become same after a swap in one string) |  |
|  | Least number of manipulations needed to ensure two strings have identical characters |  |
|  | Minimum move to end operations to make all strings equal |  |
|  | Minimum Cost To Make Two Strings Identical |  |
|  | Minimum cost to make two strings identical by deleting the digits |  |
|  | Minimum cost to construct a string |  |
|  | Maximum possible time that can be formed from four digits |  |
|  | Sum of similarities of string with all of its suffixes |  |
|  | Count of cyclic permutations having XOR with other binary string as 0 |  |
|  | Count no. of columns that are not sorted in increasing order |  |
|  | Find the count of Strictly decreasing Subarrays |  |
|  | Minimum number of 1’s to be replaced in a binary array |  |
|  | Most frequent word in first String which is not present in second String |  |
|  | String matching with \* (that matches with any) in any of the two strings |  |
|  | Python program to find uncommon words from two Strings |  |
|  | Check if a string is the typed name of the given name |  |
|  | Program to print Spiral Pattern |  |
|  | Minimum changes required to make first string substring of second string |  |
|  | Find Nth term of the series 1, 8, 54, 384… |  |
|  | Find Nth term of the series 0, 2, 4, 8, 12, 18… |  |
|  | Number of substrings of one string present in other |  |
|  | Find Nth term of series 1, 4, 15, 72, 420… |  |
|  | Count Occurences of Anagrams |  |
|  | Minimum characters to be replaced to remove the given substring |  |
|  | Custom Building Cryptography Algorithms (Hybrid Cryptography) |  |
|  | Program to find all match of a regex in a string |  |
|  | KLA Tencor Interview Experience | Set 3 |  |
|  | Check if a string can be formed from another string using given constraints |  |
|  | Largest connected component on a grid |  |
|  | Make array elements equal in Minimum Steps |  |
|  | Check if strings are rotations of each other or not | Set 2 |  |
|  | DFA for Strings not ending with “THE” |  |
|  | Check if a string is substring of another |  |
|  | Program to replace a word with asterisks in a sentence |  |
|  | Dynamic Programming | Wildcard Pattern Matching | Linear Time and Constant Space |  |
|  | Longest prefix which is also suffix |  |
|  | Splitting a Numeric String |  |
|  | Count of number of given string in 2D character array |  |
|  | Find minimum shift for longest common prefix |  |
|  | Frequency of a substring in a string |  |
|  | Count of occurrences of a “1(0+)1” pattern in a string |  |
|  | Find all the patterns of “1(0+)1” in a given string | SET 2(Regular Expression Approach) |  |
|  | Boyer Moore Algorithm | Good Suffix heuristic |  |
|  | Match Expression where a single special character in pattern can match one or more characters |  |
|  | Maximum length prefix of one string that occurs as subsequence in another |  |
|  | Replace all occurrences of string AB with C without using extra space |  |
|  | Wildcard Pattern Matching |  |
|  | Find all occurrences of a given word in a matrix |  |
|  | Aho-Corasick Algorithm for Pattern Searching |  |
|  | kasai’s Algorithm for Construction of LCP array from Suffix Array |  |
|  | Search a Word in a 2D Grid of characters |  |
|  | Z algorithm (Linear time pattern searching Algorithm) |  |
|  | Online algorithm for checking palindrome in a stream |  |
|  | Suffix Tree Application 6 – Longest Palindromic Substring |  |
|  | Manacher’s Algorithm – Linear Time Longest Palindromic Substring – Part 4 |  |
|  | Manacher’s Algorithm – Linear Time Longest Palindromic Substring – Part 3 |  |
|  | Manacher’s Algorithm – Linear Time Longest Palindromic Substring – Part 2 |  |
|  | Manacher’s Algorithm – Linear Time Longest Palindromic Substring – Part 1 |  |
|  | Suffix Tree Application 5 – Longest Common Substring |  |
|  | Generalized Suffix Tree 1 |  |
|  | Suffix Tree Application 4 – Build Linear Time Suffix Array |  |
|  | Suffix Tree Application 3 – Longest Repeated Substring |  |
|  | Suffix Tree Application 2 – Searching All Patterns |  |
|  | Suffix Tree Application 1 – Substring Check |  |
|  | Ukkonen’s Suffix Tree Construction – Part 1-6 |  |
|  | Pattern Searching using a Trie of all Suffixes |  |
|  | Anagram Substring Search (Or Search for all permutations) |  |
|  | Suffix Array | Set 2 (nLogn Algorithm) |  |
|  | Suffix Array | Set 1 (Introduction) |  |
|  | String matching where one string contains wildcard characters |  |
|  | Pattern Searching using Suffix Tree |  |
|  | Boyer Moore Algorithm for Pattern Searching |  |
|  | Pattern Searching | Set 6 (Efficient Construction of Finite Automata) |  |
|  | Finite Automata algorithm for Pattern Searching |  |
|  | Optimized Naive Algorithm for Pattern Searching |  |
|  | Rabin-Karp Algorithm for Pattern Searching |  |
|  | KMP Algorithm for Pattern Searching |  |
|  | Naive algorithm for Pattern Searching |  |
|  | Number of Binary Strings of length N with K adjacent Set Bits |  |
|  | Construct a binary string following the given constraints |  |
|  | Check If every group of a’s is followed by a group of b’s of same length |  |
|  | Length of longest consecutive ones by at most one swap in a Binary String |  |
|  | Find Bit whose minimum sequence flips makes all bits same |  |
|  | Final string after performing given operations |  |
|  | Remove one bit from a binary number to get maximum value |  |
|  | Minimum steps to convert one binary string to other only using negation |  |
|  | Count of cyclic permutations having XOR with other binary string as 0 |  |
|  | Minimum number of 1’s to be replaced in a binary array |  |
|  | Minimum steps to remove substring 010 from a binary string |  |
|  | Check if it is possible to rearrange a binary string with alternate 0s and 1s |  |
|  | Divide binary array into three equal parts with same value |  |
|  | Maximum Consecutive Zeroes in Concatenated Binary String |  |
|  | Check whether a binary string can be formed by concatenating given N numbers sequentially |  |
|  | Minimum swaps required to make a binary string alternating |  |
|  | Arrange a binary string to get maximum value within a range of indices |  |
|  | Minimum swaps required to convert one binary string to another |  |
|  | Lucky alive person in a circle | Set – 2 |  |
|  | Maximum contiguous 1 possible in a binary string after k rotations |  |
|  | Number of unique permutations starting with 1 of a Binary String |  |
|  | Number of steps required to convert a binary number to one |  |
|  | 2’s compliment for a givin string using XOR |  |
|  | Maximum power of jump required to reach the end of string |  |
|  | Find the winner of a game where scores are given as a binary string |  |
|  | Find Index of 0 to be replaced with 1 to get longest continuous sequence of 1s in a binary array |  |
|  | Check if a string has m consecutive 1’s or 0’s |  |
|  | Check if a binary string contains all permutations of length k |  |
|  | Add n binary strings |  |
|  | Minimum bit changes in Binary Circular array to reach a index |  |
|  | Sorting array with conditional swapping |  |
|  | Count binary strings with twice zeros in first half |  |
|  | Minimum rooms for m events of n batches with given schedule |  |
|  | Check divisibility of binary string by 2^k |  |
|  | Find nth term of the Dragon Curve Sequence |  |
|  | Thue-Morse sequence |  |
|  | Construct binary palindrome by repeated appending and trimming |  |
|  | Minimum swaps required to Sort Binary array |  |
|  | Convert String into Binary Sequence |  |
|  | Sort 1 to N by swapping adjacent elements |  |
|  | Find i’th Index character in a binary string obtained after n iterations |  |
|  | Maximum difference of zeros and ones in binary string | Set 2 (O(n) time) |  |
|  | Counting even decimal value substrings in a binary string |  |
|  | Python | Check if there are K consecutive 1’s in a binary number |  |
|  | Number of substrings with odd decimal value in a binary string |  |
|  | Count subarrays with equal number of 1’s and 0’s |  |
|  | Longest subsegment of ‘1’s formed by changing at most k ‘0’s |  |
|  | Maximum difference of zeros and ones in binary string |  |
|  | Count of operations to make a binary string”ab” free |  |
|  | Minimum flips to make all 1s in left and 0s in right | Set 2 |  |
|  | Longest subsequence having equal numbers of 0 and 1 |  |
|  | Binary String of given length that without a palindrome of size 3 |  |
|  | Longest subsequence of the form 0\*1\*0\* in a binary string |  |
|  | Longest subsequence with no 0 after 1 |  |
|  | Divisibility by 64 with removal of bits allowed |  |
|  | Check if an encoding represents a unique binary string |  |
|  | Length of the longest substring with equal 1s and 0s |  |
|  | Rearrange a binary string as alternate x and y occurrences |  |
|  | Count of substrings of a binary string containing K ones |  |
|  | Print N-bit binary numbers having more 1’s than 0’s in all prefixes |  |
|  | Sort a binary array using one traversal |  |
|  | Binary representation of previous number |  |
|  | All possible binary numbers of length n with equal sum in both halves |  |
|  | Binary array after M range toggle operations |  |
|  | Longest common substring in binary representation of two numbers |  |
|  | Count of occurrences of a “1(0+)1” pattern in a string |  |
|  | Ways to remove one element from a binary string so that XOR becomes zero |  |
|  | Find the index of first 1 in a sorted array of 0’s and 1’s |  |
|  | Min flips of continuous characters to make all characters same in a string |  |
|  | Queries for decimal values of subarrays of a binary array |  |
|  | Check if a binary string has a 0 between 1s or not |  |
|  | Find the transition point in a binary array |  |
|  | Count minimum right flips to set all values in an array |  |
|  | Decimal representation of given binary string is divisible by 5 or not |  |
|  | Fill array with 1’s using minimum iterations of filling neighbors |  |
|  | Binary representation of next greater number with same number of 1’s and 0’s |  |
|  | Binary representation of next number |  |
|  | Check if a string follows a^nb^n pattern or not |  |
|  | Minimum toggles to partition a binary array so that it has first 0s then 1s |  |
|  | Count passing car pairs |  |
|  | Maximum consecutive one’s (or zeros) in a binary array |  |
|  | Count binary strings with k times appearing adjacent two set bits |  |
|  | Efficient method for 2’s complement of a binary string |  |
|  | Number of flips to make binary string alternate |  |
|  | Length of Longest sub-string that can be removed |  |
|  | Change if all bits can be made same by single flip |  |
|  | Find all even length binary sequences with same sum of first and second half bits |  |
|  | Generate all binary strings from given pattern |  |
|  | Minimum number of palindromic subsequences to be removed to empty a binary string |  |
|  | Count strings with consecutive 1’s |  |
|  | Longest Span with same Sum in two Binary arrays |  |
|  | Given a binary string, count number of substrings that start and end with 1. |  |
|  | Count 1’s in a sorted binary array |  |
|  | Generate all binary permutations such that there are more or equal 1’s than 0’s before every point in all permutations |  |
|  | Count number of binary strings without consecutive 1’s |  |
|  | Add two bit strings |  |