

Microsoft Archives

[<https://practice.geeksforgeeks.org/company/Microsoft/>]

Maximum XOR subarray

Sum of two numbers without using arithmetic operators

Preorder traversal (Iterative)

Number of 1 Bits

Delete without head pointer

Longest Consecutive 1's

Number of paths

Height of Binary Tree

Generate Parentheses

Mirror Tree

Inorder Traversal (Iterative)

Wave Array

Trie | (Insert and Search)

Minimum element in BST

Gray Code

Rotate by 90 degree

Remove Duplicates

Find all possible palindromic partitions of a String

Postorder Traversal (Iterative)

K largest elements

Preorder Traversal

Is Sudoku Valid

Rotate by 90 degree

Prerequisite Tasks

Print Anagrams Together

K distance from root

Maximum in Struct Array

Covid Spread

k largest elements

Bitonic Point

Josephus problem

Minimum Depth of a Binary Tree

Merge Sort for Linked List

Determine if Two Trees are Identical

Square root of a number

Root to leaf paths sum

Sort an array of 0s, 1s and 2s

Match specific pattern

Check whether K-th bit is set or not

Merge k Sorted Arrays

Merge 2 sorted linked list in reverse order

Egg Dropping Puzzle

Kadane's Algorithm

Lucky Numbers

Check If Circular Linked List

Symmetric Tree

Sort a stack

Counting Sort

Rotate Array

Largest number with given sum

Transform to Sum Tree

Lowest Common Ancestor in a BST

Check if Tree is Isomorphic

Count Number of SubTrees having given Sum

Check for Balanced Tree

Implement strstr

Union of Two Linked Lists

Diameter of a Binary Tree

Subarrays with sum K

Delete Middle of Linked List

Minimum Swaps to Sort

Merge two BST 's

Special Stack

Fixing Two nodes of a BST

Reverse words in a given string

Look and Say Pattern

Longest Even Length Substring

Tree from Postorder and Inorder

Longest Common Subsequence

Implement Stack using Linked List

Reorder List

Maximum Path Sum between 2 Leaf Nodes

Heap Sort

Convert to Roman No

Stock span problem

Diagonal Traversal of Binary Tree

Unit Area of largest region of 1's

ZigZag Tree Traversal

Implement two stacks in an array

Strongly Connected Components (Kosaraju's Algo)

Maximize Toys

Shortest Common Supersequence

Clone a linked list with next and random pointer

Trapping Rain Water

Level order traversal

Intersection Point in Y Shapped Linked Lists

Print BST elements in given range

Delete nodes greater than k

Minimum Spanning Tree

Given a linked list of 0s, 1s and 2s, sort it.

Merge two sorted linked lists

Rearrange a linked list

Parenthesis Checker

Non Repeating Character

Implementing Dijkstra Algorithm

Triplet Sum in Array

Array to BST

Reverse a linked list

Next Greater Element

Top K Frequent Elements in Array - |

Longest consecutive subsequence

Selection Sort

Sum of Leaf Nodes at Min Level

Alien Dictionary

Majority Element

Spirally traversing a matrix

Box Stacking

longest substring containing '1'

Palindrome numbers

Remove loop in Linked List

Sort an array according to the other

Max rectangle

Searching an element in a sorted array (Ternary Search)

Frequencies of Limited Range Array Elements

Serialize and Deserialize a Binary Tree

Finding middle element in a linked list

Tower Of Hanoi

Reverse Level Order Traversal

Queue using two Stacks

0 - 1 Knapsack Problem

Coin Change

Find a pair with given target in BST

Generate Grey Code Sequences

Largest subarray with 0 sum

Find median in a stream

Quick Sort

Remove duplicate elements from sorted Array

Minimum Platforms

Longest Increasing Subsequence

Partition a Linked List around a given value

Kth smallest element

Burning Tree

Third largest element

Sort in specific order

Remove duplicate element from sorted Linked List

Possible Words From Phone Digits

Construct Binary Tree from Parent Array

Intersection of two arrays

Reverse a Linked List in groups of given size.

Connect Nodes at Same Level

Find the element that appears once

Bubble Sort

Node at distance

Nodes at given distance in binary tree

Insertion Sort

Max Circular Subarray Sum

Word Break

Ease the Array

Merge Without Extra Space

Maximum of all subarrays of size k

Unique BST's

Count distinct elements in every window

Word Search

Wildcard Pattern Matching

Form a palindrome

Trailing zeroes in factorial

Rotten Oranges

Check if two strings are k-anagrams or not

Count the number of possible triangles

Check if subtree

Max length chain

Maximum Rectangular Area in a Histogram

Length of longest palindrome in linked list

Level order traversal in spiral form

Matrix Chain Multiplication

Pairwise swap elements of a linked list

The Painter's Partition Problem-II

Maximum Index

BFS of graph

Remove all duplicates from a given string

Count ways to reach the n'th stair

Minimum Cost of ropes

Missing number in array

Row with max 1s

Longest Palindromic Substring

Kth largest element in BST

132 Geeky Buildings

Search an element in sorted and rotated array

Move all zeroes to end of array

Merge Sort

Merge K sorted linked lists

Binary Tree to DLL

Find the fine

Design a tiny URL or URL shortener

Smallest window in a string containing all the characters of another string

Reverse each word in a given string

Maximum path sum in matrix

Boolean Matrix

Longest Bitonic subsequence

Stack using two queues

Bipartite Graph

Topological sort

Search Pattern (Rabin-Karp Algorithm)

Lowest Common Ancestor in a Binary Tree

Zero Sum Subarrays

Dice throw

Inorder Successor in BST

Fractional Knapsack

Stock buy and sell

Minimum element in a sorted and rotated array

String Ignorance

The Celebrity Problem

Count Inversions

Edit Distance

Maximum sum increasing subsequence

Check if Linked List is Palindrome

Non Repeating Numbers

Level order traversal Line by Line

Maximum AND Value

Longest Common Substring

Maximize The Cut Segments

Maximum subset XOR

Common elements

Find the number of islands

Find position of set bit

Find missing in second array

Preorder Traversal and BST

Product array puzzle

Find whether path exist

Roman Number to Integer

Partition Equal Subset Sum

Rat in a Maze Problem - I

Minimum XOR value pair

Rearrange characters

Delete N nodes after M nodes of a linked list

Combination Sum

Maximum of minimum for every window size

Interleaved Strings

Job Sequencing Problem

Key Pair

Merge Without Extra Space

Search in a matrix

Construct Tree from Inorder & Preorder

Root to leaf path sum

Detect cycle in an undirected graph

Next Permutation

Solve the Sudoku

Count Occurences of Anagrams

Police and Thieves

Binary representation

Circle of strings

Length of the longest substring

Remove common characters and concatenate

Decode the string

Flattening a Linked List

Circular tour

N-Queen Problem

Maximum Profit

Rotate a Linked List

Sum Tree

Maximum value of difference of a pair of elements and their Index

Sort a 2D vector diagonally

Remove K Digits

Distance from the Source (Bellman-Ford Algorithm)

Run Length Encoding

Minimum number of jumps

Implement Atoi

Insert a node in a BST

Binary Heap Operations

Buildings receiving sunlight

Vertical Traversal of Binary Tree

Get Minimum Squares

Stock buy and sell

Search Pattern (KMP-Algorithm)

Largest BST

N meetings in one room

Bridge edge in a graph

Steps by Knight

Detect cycle in a directed graph

Add two numbers represented by linked lists

Maximize Number of 1's

Maximum Product Subarray

Intersection of two sorted Linked lists

Number of Coins

Search Pattern (Z-algorithm)

Validate an IP Address

Maximum no of 1's row

Minimize the Heights II

Triplets with sum with given range

Next greater number set digits

Nth Fibonacci Number

Mobile numeric keypad

Largest number in K swaps

Allocate minimum number of pages

Largest Number formed from an Array

Boundary Traversal of binary tree

Flood fill Algorithm

Sorted insert for circular linked list

Is Binary Number Multiple of 3

Find All Four Sum Numbers

Longest subarray with sum divisible by K

Multiply two strings

Minimum Cost Path

Longest Common Prefix in an Array

Jump Game

Longest Prefix Suffix

Minimum Points To Reach Destination

Maximum length Bitonic Subarray

Huffman Encoding

Three Sum Closest

Get minimum element from stack

Consecutive 1's not allowed

Brackets in Matrix Chain Multiplication

Median of 2 Sorted Arrays of Different Sizes

Day of the week

Perfect Sum Problem

Replace the Bit

Nth item through sum

Snake and Ladder Problem

Infix to Postfix

LRU Cache

Word Boggle

Minimize string value

Intersection of Two Linked Lists

Strictly Increasing Array

Subset Sum Problem

Length Unsorted Subarray

Check for BST

Final Destination

Arranging the array

Kth largest element in a stream

Print Pattern

Unique Subsets

Longest Palindromic Substring in Linear Time

Palindromic partitioning

Most frequent word in an array of strings

Bit Difference

Closest Number

Next Smallest Palindrome

Array Pair Sum Divisibility Problem

Transform the array

Alternate positive and negative numbers

Longest valid Parentheses

K-th element of two sorted Arrays

First non-repeating character in a stream

Sum of two elements with sum nearest to zero

Knight Walk

Left most and right most index

Special Keyboard

Tic Tac Toe

Integer to Words

Trie | (Delete)

Maximum Sub Array

A Simple Fraction

String comparison

Nearest multiple of 10

Remove BST keys outside given range

Restrictive Candy Crush

Carry counter

Sum of two large numbers

Maximize The Array

Next higher palindromic number using the same set of digits

Word Boggle - II

Longest Arithmetic Progression

Add Binary Strings

Coin Piles

Total Decoding Messages

Boolean Parenthesization

Search insert position of K in a sorted array

Pascal Triangle

Search in a Rotated Array

Column name from a given column number

Difficulty of sentence

Factorials of large numbers

Longest Distinct characters in string

Longest Palindrome in a String

Permutations of a given string

RegEx matching

Overlapping rectangles

Phone directory

Find the string in grid

Travelling Salesman Problem

Word Wrap

Print the Sequence

Water the plants

Plus One

Minimum steps to make product equal to one

Even and Odd

Queue using stack

Distribute N candies among K people

Binary Searchable elements

Number of Provinces

Word Break (Trie)

Find duplicate rows in a binary matrix

BST to greater sum tree

Paths from root with a specified sum

Maximum number of 2*2 squares

Cousins of a given node

Division without using multiplication, division and mod operator

Insertion Sort for Singly Linked List

Reverse a sublist of a linked list

Remove all occurrences of duplicates in a linked list

Word Ladder II

Subsets

Flatten binary tree to linked list

Distribute candies in a binary tree

Shortest Unique prefix for every word

Rank The Permutations

Anti Diagonal Traversal of Matrix

First and last occurrences of X

IPL 2021 - Match Day 2

IPL 2021 - Match Day 4

Overlapping Intervals