***Interview Questions**- **Must follow Revision**: This list of 500 questions has been made by the Pepcoding Team.*

Dated:22Sep2020

1. Array
   - K-Concatenation
   - Maximum Contiguous Circular Subarray Sum
   - Find Subarray With Given Sum
   - Equilibrium Index Of An Array
   - Maximum Sum Increasing Subsequence
   - Convert Array Into Zig Zag Fashion
   - Find A Pair With The Given Difference
   - Chocolate Distribution Problem
   - Minimum Number of Platforms Required for a Railway/Bus Station
   - Trapping Rain Water
   - Stock Buy Sell to Maximize Profit
   - Inplace Rotate Square Matrix By 90 Degrees
   - Find k Pairs With Smallest Sums In Two Arrays
   - Search An Element In A Sorted And Rotated Array
   - Given A Sorted And Rotated Array, Find If There Is A Pair With A Given Sum
   - Maximum Sum i*arr[i] Among All Rotations Of A Given Array
   - Rearrange Positive And Negative Numbers In O(n) Time And O(1) Extra Space
   - Three Way Partitioning Of An Array Around A Given Range
   - Maximum Length Bitonic Subarray
   - Largest Subarray With Equal Number Of 0S And 1S
   - Maximum Product Subarray
   - Counting Inversions In An Array
   - Segregate 0s and 1s In An Array
   - Sort An Array Of 0S, 1S And 2S
   - Merging Intervals
   - Maximum Profit By Buying And Selling A Share At Most Twice
   - Maximum Profit By Buying And Selling A Share At Most K Times
   - Maximum Difference Between Two Elements
   - Minimize The Maximum Difference Between The Heights
   - Move All Zeroes To End Of Array
   - Minimum Swaps Required To Bring All Elements Less Than Or Equal To k Together
   - Largest Sum Subarray With At-Least k Numbers
   - Form Minimum Number From Given Sequence
   - Find The Smallest Positive Integer Value That Cannot Be Represented As Sum Of Any Subset Of A Given Array
   - Generate All Possible Sorted Arrays From Alternate Elements Of Two Given Sorted Arrays
   - Next Permutation
   - Given An Array Arr[], Find The Maximum J- I Such That Arr[j] > Arr[i]
   - Maximum Sum of 3 Non-Overlapping Subarrays
   - Number Of Subarrays With Maximum Values In Given Range
   - Print All Possible Combinations Of R Elements In A Given Array Of Size N
   - Longest Subarray Sum Divisible K
   - Find Minimum Number Of Merge Operations To Make An Array Palindrome
   - Reorder An Array According To Given Indexes
   - Maximum Score
   - Rearrange An Array In Maximum Minimum Form | Set 2 (O(1) Extra Space)
   - Arrange Given Numbers To Form The Biggest Number
   - Space Optimization Using Bit Manipulations
   - MO’s Algorithm (Query Square Root Decomposition)
   - Amazon Interview Question for Software Engineer / Developers

2. Searching & Sorting

- Majority Element
- Searching Array Adjacent Differ K
- Find A Repeating And A Missing Number
- Ceiling In A Sorted Array
- Find A Pair With The Given Difference
- Find Four Elements That Sum To A Given Value Set 2
- Median Of Two Sorted Arrays Of Different Sizes
- Maximum Sum Such That No Two Elements Are Adjacent
- Find Common Elements Three Sorted Arrays
- Count Triplets With Sum Smaller That A Given Value
- Merge Two Sorted Arrays O1 Extra Space
- 3 Way Quicksort Dutch National Flag
- Counting Sort
- Radix Sort
- How To Efficiently Sort A Big List Dates In 20S
- Median Of Stream Of Integers Running Integers
- Make Array Elements Equal Minimum Cost
- Check Reversing Sub Array Make Array Sorted
- Print All Subarrays With 0 Sum
- Nearly Sorted Algorithm
- A Product Array Puzzle
- Find Number Pairs Xy Yx
- Find Duplicates In On Time And Constant Extra Space
- Insert In Sorted And Non Overlapping Interval Array
- Sort Array According Count Set Bits
- Minimum Swaps To Make Two Array Identical
- Find Largest Multiple 3 Array Digits Set 2 Time O1 Space
- Permute Two Arrays Sum Every Pair Greater Equal K
- Find Pair With Greatest Product In Array
- Minimum Number Swaps Required Sort Array

3. String

- Print Words Together Set Characters
- Generate All Binary Strings From Given Pattern
- Smallest Window Contains Characters String
- Count Ways Increase Lcs Length Two Strings One
- Given A Sequence Of Words Print All Anagrams Together
- Anagram Substring Search Search Permutations
- Check Two Strings K Anagrams Not
- Check Binary Representations Two Numbers Anagram
- Longest Palindromic Substring Set 2
- Find The Smallest Window In A String Containing All Characters Of Another String
- Permutation and Palindrome
- Make Largest Palindrome Changing K Digits
- Lexicographically First Palindromic String
- Longest Non Palindromic Substring

- String Merging
- Find Kth Character Of Decrypted String
- Count Words Whose Th Letter Either 1 Th Th I1 Th Letter Given Word
- Find Number Distinct Palindromic Sub Strings Given String
- Print All Distinct Characters Of A String In Order 3 Methods
- Count Total Anagram Substrings
- Min Flips Of Continuous Characters To Make All Characters Same In A String
- Count Binary Strings K Times Appearing Adjacent Two Set Bits
- Binary Representation Next Greater Number Number 1S 0S
- Print Longest Common Sub Sequences Lexicographical Order
- Print Shortest Common Supersequence
- Given Two Strings Find First String Subsequence Second
- Find Largest Word Dictionary Deleting Characters Given String
- Search A Word In A 2D Grid Of Characters
- Number Subsequences Form Ai Bj Ck
- Find Number Times String Occurs Given String
- Count Distinct Subsequences
- Find Patterns 101 Given String
- Given A String Find Its First Non Repeating Character
- Rearrange A String So That All Same Characters Become At Least D Distance Away
- Recursively Remove Adjacent Duplicates Given String
- Wildcard Character Matching
- Lexicographic Rank Of A String
- Print Number Ascending Order Contains 1 2 3 Digits
- Given Sorted Dictionary Find Precedence Characters
- Find Excel Column Name Given Number
- Find The Longest Substring With K Unique Characters In A Given String
- Function To Find Number Of Customers Who Could Not Get A Computer
- Check Given Sentence Given Set Simple Grammer Rules
- Length Of The Longest Valid Substring
- Print Ways Break String Bracket Form
- Print Concatenation Of Zig Zag String Form In N Rows
- Searching For Patterns Set 2 Kmp Algorithm
- Transform One String To Another Using Minimum Number Of Given Operation
- Repeated Subsequence Length 2
- Check If Two Given Strings Are Isomorphic To Each Other
- Find Given String Can Represented Substring Iterating Substring N Times
- Recursively Print All Sentences That Can Be Formed From List Of Word Lists
- Searching For Patterns Set 3 Rabin Karp Algorithm
- Number of subsequences in a string divisible by n

4. Matrix

- Zigzag Or Diagonal Traversal Of Matrix
- Create A Matrix With Alternating Rectangles Of 0 And X
- Print Elements Sorted Order Row Column Wise Sorted Matrix
- Inplace Rotate Square Matrix By 90 Degrees
- Find Number Of Islands
- Given Matrix O X Replace O X Surrounded X
- Validity Of A Given Tic Tac Toe Board Configuration/+
- Given Matrix O X Find Largest Subsquare Surrounded X

- Rotate Matrix Elements
- Find Common Element Rows Row Wise Sorted Matrix
- Maximum Size Rectangle Binary Sub Matrix 1S
- Common Elements In All Rows Of A Given Matrix
- Find A Specific Pair In Matrix
- Find Orientation Of A Pattern In A Matrix
- Shortest Path In A Binary Maze
- Inplace Rotate Square Matrix By 90 Degrees
- Kth Smallest Element In A Row Wise And Column Wise Sorted 2D Array Set 1
- A Boolean Matrix Question
- Search A Word In A 2D Grid Of Characters

5. BackTracking

- Backtracking Set 1 The Knights Tour Problem
- Backttracking Set 2 Rat In A Maze
- Backtracking Set 7 Suduku
- Remove Invalid Parentheses
- Word Break Problem Using Backtracking
- Print Palindromic Partitions String
- Find Shortest Safe Route In A Path With Landmines
- Combinational Sum
- Partition Set K Subsets Equal Sum
- Longest Possible Route In A Matrix With Hurdles
- Backtracking Set 8 Solving Cryptarithmetic Puzzles
- Match A Pattern And String Without Using Regular Expressions
- Find If There Is A Path Of More Than K Length From A Source
- Backtracking Set 7 Hamiltonian Cycle
- Tug Of War
- Find Maximum Number Possible By Doing At Most K Swaps
- Find Paths From Corner Cell To Middle Cell In Maze
- Arithmetic Expressions
- Crossword Puzzle

6. Greedy

- Greedy Algorithms Set 1 Activity Selection Problem
- Job Sequencing Problem Set 1 Greedy Algorithm
- Greedy Algorithm Egyptian Fraction
- Fractional Knapsack Problem
- Greedy Algorithm To Find Minimum Number Of Coins
- Dynamic Programming Set 20 Maximum Length Chain Of Pairs
- Find Minimum Time To Finish All Jobs With Given Constraints
- Job Sequencing Using Disjoint Set Union

- Minimum Sum Two Numbers Formed Digits Array 2
- Find Smallest Number With Given Number Of Digits And Digit Sum
- Minimum Sum Absolute Difference Pairs Two Arrays
- Maximize Sum Consecutive Differences Circular Array
- Paper Cut Minimum Number Squares
- Lexicographically Smallest Array K Consecutive Swaps
- Rearrange Characters String No Two Adjacent
- Find Maximum Height Pyramid From The Given Array Of Objects
- Minimum Cost For Acquiring All Coins With K Extra Coins Allowed With Every Coin
- Find Maximum Sum Possible Equal Sum Three Stacks
- Maximize Array Sun After K Negation Operations
- Minimum Cost Cut Board Squares
- Minimize Cash Flow Among Given Set Friends Borrowed Money
- Minimum Edges Reverse Make Path Source Destination

7. Dynamic Programming

- Ugly Numbers
- Super Ugly Number Number Whose Prime Factors Given Set
- Maximum Size Sub Matrix With All 1S In A Binary Matrix
- Dynamic Programming Subset Sum Problem
- Minimum Number Of Jumps To Reach End Of A Given Array
- Dynamic Programming Set 15 Longest Bitonic Subsequence
- Maximum Sum Bi Tonic Sub Sequence
- Lcs Longest Common Subsequence Three Strings
- Friends Pairing Problem
- Dynamic Programming Building Bridges
- Dynamic Programming Set 18 Partition Problem
- Count Number Of Ways To Partition A Set Into K Subsets
- Dynamic Programming Set 12 Longest Palindromic Subsequence
- Dynamic Programming Set 11 Egg Dropping Puzzle
- Dynamic Programming Set 21 Box Stacking Problem
- Dynamic Programming Set 24 Optimal Binary Search Tree
- Dynamic Programming Set 28 Minimum Insertions To Form A Palindrome
- Dynamic Programming Set 36 Cut A Rope To Maximize Product
- Dynamic Programming Set 31 Optimal Strategy For A Game
- Dynamic Programming Set 32 Word Break Problem
- Mobile Numeric Keypad Problem
- Find Number Of Solutions Of A Linear Equation Of N Variables
- Count Number Ways Tile Floor Size N X M Using 1 X M Size Tiles
- Count Number Binary Strings Without Consecutive 1S
- Painters Partition Problem
- Check Whether A Given String Is An Interleaving Of Two Other Given Strings Set 2
- Wildcard Pattern Matching
- Probability Knight Remain Chessboard
- Two Water Jug Puzzle
- Dynamic Programming Set 18 Word Wrap
- Largest Sum Subarray Least K Numbers
- Find Water In A Glass

- Remove Minimum Elements Either Side 2Min Max
- Number Subsequences Form Ai Bj Ck
- Unbounded Knapsack Repetition Items Allowed
- Length Of The Longest Valid Substring
- Dynamic Programming Set 37 Boolean Parenthesization Problem
- Count Possible Decodings Given Digit Sequence
- Perfect Sum Problem Print Subsets Given Sum
- Vertex Cover Problem Set 2 Dynamic Programming Solution Tree
- Longest Even Length Substring Sum First Second Half
- Count Possible Ways To Construct Buildings
- Bitmasking And Dynamic Programming Set 1 Count Ways To Assign Unique Cap To Every Person
- Longest Repeating Subsequence
- Longest Common Increasing Subsequence Lcs Lis
- Find If String Is K Palindrome Or Not
- Minimum Sum Path 3 D Array
- Count Distinct Subsequences
- Shortest Uncommon Subsequence
- Temple Offerings
- Highway Billboard Problem
- Maximum Sum Alternating Subsequence Sum
- Minimum Maximum Values Expression
- Minimum And Maximum Values Of An Expression With * And +

8. Stacks & Queues

- Implement Two Stacks In An Array
- Design A Stack With Find Middle Operation
- Efficiently Implement K Stacks Single Array
- Implement Stack Using Priority Queue Or Heap
- Stack Set 2 Infix To Postfix
- The Celebrity Problem
- Iterative Tower Of Hanoi
- Design And Implement Special Stack Data Structure
- Find The Maximum Of Minimums For Every Window Size In A Given Array
- Length Of The Longest Valid Substring
- Find Expression Duplicate Parenthesis Not
- Lru Cache Implementation
- Efficiently Implement K Queues Single Array
- Find A Tour That Visits All Stations
- Minimum Time Required So That All Oranges Become Rotten
- Sum Minimum Maximum Elements Subarrays Size K
- Stack Permutations Check If An Array Is Stack Permutation Of Other
- Count Natural Numbers Whose Permutation Greater Number
- Sort A Stack Using Recursion
- Stack Set 4 Evaluation Postfix Expression
- Queue Based Approach For First Non Repeating Character In A Stream

9. LinkedList

- Given Only A Pointer To A Node To Be Deleted In A Singly Linked List How Do You Delete It
- Find First Non Repeating Character Stream Characters
- Nth Node From The End Of A Linked List
- Detect And Remove Loop In A Linked List
- Write A Function To Get The Intersection Point Of Two Linked Lists
- Remove Duplicates From An Unsorted Linked List
- Merge Sort For Linked List
- Delete Nodes Which Have A Greater Value On Right Side
- Segregate Even And Odd Elements In A Linked List
- Sum Of Two Linked Lists
- Find A Triplet From Three Linked Lists With Sum Equal To A Given Number
- Flattening A Linked List
- Sort A Linked List Of 0S 1S Or 2S
- Flatten A Linked List With Next And Child Pointers
- Quicksort On Singly Linked List
- A Linked List With Next And Arbit Pointer
- Point To Next Higher Value Node In A Linked List With An Arbitrary Pointer
- Rearrange A Given Linked List In Place
- Select A Random Node From A Singly Linked List
- Linked List In Zig Zag Fashion
- Sort Linked List Already Sorted Absolute Values
- Merge K Sorted Linked Lists
- Flatten A Multi Level Linked List Set 2 Depth Wise
- Subtract Two Numbers Represented As Linked Lists
- Find Pair Given Sum Sorted Singly Linked Without Extra Space
- Multiply Two Numbers Represented Linked Lists
- Merge Two Sorted Lists Place
- Rotate Linked List Block Wise
- Josephus Circle Using Circular Linked List
- Count Triplets Sorted Doubly Linked List Whose Sum Equal Given Value X
- Sort Biotonic Doubly Linked List

10. Generic Trees

- Check Mirror N Ary Tree
- Serialize Deserialize N Ary Tree
- Immediate Smaller Element N Ary Tree
- Second Largest Element N Ary Tree
- Node Maximum Sum Immediate Children N Ary Tree
- Given N Ary Tree Count Number Nodes Number Children Parent
- Construct Full K Ary Tree Preorder Traversal
- Creating Tree Left Child Right Sibling Representation
- Left Child Right Sibling Representation Tree
- Longest Path Undirected Tree
- Amazon Interview Question for Software Engineer in Tests
- Diameter N Ary Tree

11. Binary Trees

- Clone Binary Tree Random Pointers
- Count Subtress Sum Given Value X
- Inorder Tree Traversal Without Recursion
- Inorder Tree Traversal Without Recursion And Without Stack
- Morris Traversal For Preorder
- Iterative Postorder Traversal
- Diagonal Traversal Of Binary Tree
- Print Binary Tree Vertical Order
- Boundary Traversal Of Binary Tree
- Perfect Binary Tree Specific Level Order Traversal
- Construct A Special Tree From Given Preorder Traversal
- Construct Tree From Ancestor Matrix
- Construct Ancestor Matrix From A Given Binary Tree
- Construct A Binary Tree From Parent Array Representation
- Create Doubly Linked List Ternary Ree
- In Place Convert A Given Binary Tree To Doubly Linked List
- Convert A Given Tree To Sum Tree
- Change A Binary Tree So That Every Node Stores Sum Of All Nodes In Left Subtree
- Convert A Binary Tree To A Circular Doubly Link List
- Convert Tree Forest Even Nodes
- Lowest Common Ancestor Binary Tree Set 1
- Find Distance Between Two Nodes Of A Binary Tree
- Print Common Nodes Path Root Common Ancestors
- Root To Leaf Path Sum Equal To A Given Number
- Populate Inorder Successor For All Nodes
- Connect Nodes At Same Level With O1 Extra Space
- Connect Nodes At Same Level
- Foldable Binary Trees
- Maximum Width Of A Binary Tree
- Double Tree
- Find The Maximum Sum Path In A Binary Tree
- Vertical Sum In A Given Binary Tree
- Find Next Right Node Of A Given Key
- Deepest Left Leaf Node In A Binary Tree
- Connect Leaves Doubly Linked List
- Print Left View Binary Tree
- Custom Tree Problem
- Reverse Alternate Levels Binary Tree
- Print Nodes Distance K Given Node Binary Tree
- Find Distance Between Two Nodes Of A Binary Tree
- Diagonal Sum Binary Tree
- Tilt Binary Tree
- Find Height Binary Tree Represented Parent Array
- Remove Nodes Root Leaf Paths Length K
- Find Maximum Path Sum In A Binary Tree
- Expression Tree
- Width Binary Tree Set 1
- Reverse Tree Path
- Dynamic Programming Trees Set 2
- Serialize Deserialize Binary Tree

- Find Maximum Path Sum Two Leaves Binary Tree
- Find Height Of A Special Binary Tree Whose Leaf Nodes Are Connected

12. Binary Search Trees

- Construct Bst From Given Preorder Traversa
- Binary Tree To Binary Search Tree Conversion
- In Place Convert Bst Into A Min Heap
- Construct Bst Given Level Order Traversal
- Check For Identical Bsts Without Building The Trees
- Kth Largest Element In Bst When Modification To Bst Is Not Allowed
- Kth Smallest Element In Bst Using O1 Extra Space
- Check Whether Bst Contains Dead End Not
- Merge Two Balanced Binary Search Trees
- Fix Two Swapped Nodes Of Bst
- Find If There Is A Triplet In Bst That Adds To 0
- Find A Pair With Given Sum In Bst
- Remove Bst Keys Outside The Given Range
- Add Greater Values Every Node Given Bst
- Inorder Predecessor Successor Given Key Bst
- Given N Appointments Find Conflicting Appointments
- Data Structure For Future Reservations For A Single Resource
- Count Bst Subtrees That Lie In Given Range
- Replace Every Element With The Least Greater Element On Its Right
- Find Closest Element Binary Search Tree
- Sum K Smallest Elements Bst
- Maximum Element Two Nodes Bst
- Binary Search Tree Insert Parent Pointer
- Largest Bst Binary Tree Set 2
- Leaf Nodes Preorder Binary Search Tree
- Find Median Bst Time O1 Space
- Avl Tree Set 1 Insertion
- Avl Tree Set 2 Deletion

13. Order Statistics & Heap & Hash

- K Largest(or Smallest) Elements In An Array | Added Min Heap Method
- Next Greater Element
- Kth Smallest/Largest Element In Unsorted Array
- Sliding Window Maximum (Maximum Of All Subarrays Of Size K)
- Find The Smallest Positive Number Missing From An Unsorted Array
- Find The Maximum Repeating Number in O(n) Time And O(1) Extra Space

- Online Algorithm For Checking Palindrome In A Stream
- Kth Largest Element In A Stream
- K-th Smallest Element After Removing Some Integers From Natural Numbers
- Find Surpasser Count Of Each Element In Array
- A Pancake Sorting Question
- Choose k Array Elements Such That Difference Of Maximum And Minimum Is Minimized
- Find k Closest Elements To A Given Value
- Tournament Tree And Binary Heap
- Connect N Ropes with Minimum Cost
- Design An Efficient Data Structure For Given Operations
- Cuckoo Hashing – Worst Case O(1) Lookup!
- Find Number Of Employees Under Every Manager
- Find Itinerary From A Given List Of Tickets
- Check If An Array Can Be Divided Into Pairs Whose Sum Is Divisible By K
- Find The Length Of Largest Subarray With 0 Sum
- Count Distinct Elements In Every Window Of Size K
- Design A Data Structure That Supports Insert, Delete, Search And GetRandom In Constant Time
- Length of The Largest Subarray With Contiguous Elements
- Group Shifted String
- Palindrome Substring Queries
- Find Four Elements A, B, C and D in an array such that A+B = C+D
- Subarrays With Distinct Elements
- Find Recurring Sequence In A Fraction
- K Maximum Sum Combinations From Two Arrays

14. Graphs

- Roads and Libraries
- Journey to the Moon
- Even Tree
- Course Schedule II
- Mancunian And Liverbird Go Bar Hopping
- Cheapest Flights Within K Stops
- Dhoom 4
- Monk And The Islands
- Connected Horses
- We Are On Fire
- Mrinal And Three Musketeers
- Efficient Network
- Mr President
- Chocolate Journey
- Minimizing Path Cost
- Oliver And The Game
- Madmax
- Friend Circles Problem
- Strongly Connected Components
- Minimum Number Of Trials To Reach From Source Word To Destination Word
- Longest Path in a Directed Acyclic Graph
- Find A Mother Vertex In A Graph

- Count All Possible Paths Between Two Vertices
- Water Jug Problem Using Bfs
- Detect Cycle In An Undirected Graph
- Detect Cycle in a Directed Graph
- Snake and Ladder Problem
- Given A Sorted Dictionary Of An Alien Language, Find Order Of Characters
- Print All Jumping Numbers Smaller Than Or Equal To A Given Value
- Optimal Read List Given Number Days
- Count Number Of Trees In A Forest
- Construct Binary Palindrome By Repeated Appending And Trimming
- Find Eventual Safe States
- Madmax
- Equal
- Even Tree

15. Bit Manipulation

- Find the two non-repeating elements in an array of repeating elements
- Count set bits in an integer
- Find the Number Occurring Odd Number of Times
- Check if a number is Bleak
- Copy set bits in a range
- Write an Efficient Method to Check if a Number is Multiple of 3
- Find position of the only set bit
- Binary representation of a given number
- Write an Efficient C Program to Reverse Bits of a Number
- Count number of bits to be flipped to convert A to B
- Count total set bits in all numbers from 1 to n
- Swap two nibbles in a byte
- Find the element that appears once
- Program to find whether a no is power of two
- Sum of bit differences among all pairs
- Generate n-bit Gray Codes
- Josephus problem
- A Boolean Array Puzzle
- Swap all odd and even bits
- Calculate 7n/8 without using division and multiplication operators

16. Maths

- Euclidean algorithms (Basic and Extended)
- Prime Factorization using Sieve O(log n) for multiple queries
- Fermat’s Last Theorem
- Matrix Exponentiation
- Chinese Remainder Theorem
- Birthday Paradox

- Program for nth Catalan Number
- Pollard’s Rho Algorithm for Prime Factorization
- Euler’s Totient Function
- Sieve of Eratosthenes in 0(n) time complexity

17. Geometry

- Orientation of 3 ordered points
- How to check if two given line segments intersect?
- Convex Hull | Set 1 (Jarvis’s Algorithm or Wrapping)
- Find Simple Closed Path for a given set of points
- Convex Hull | Set 2 (Graham Scan)
- Quickhull Algorithm for Convex Hull
- Closest Pair of Points | O(nlogn) Implementation
- The Skyline Problem using Divide and Conquer algorithm
- Given n line segments, find if any two segments intersect
- Line Sweep Technique
- Line Intersection using Bentley Ottmann Algorithm
- Points Inside A Polygon

18. Trie

- Sorting array of strings (or words) using Trie | Set-2 (Handling Duplicates)
- Word Break Problem
- Given a sequence of words, print all anagrams together
- Implement a Phone Directory
- Print all words matching a pattern in CamelCase Notation Dictonary
- Print unique rows in a given boolean matrix
- Count of distinct substrings of a string using Suffix Trie

19. Union Find

- Union Find
- Disjoint Set (Or Union-Find) | Set 1 (Detect Cycle in an Undirected Graph)