Question 35

Lowest Common Ancestor of a Binary Tree

Medium

Given a binary tree, find the lowest common ancestor (LCA) of two given nodes in the tree.

Practice

Question asked in:

Question 36

Time Based Key-Value Store

Medium

Implement the TimeMap class:

- `TimeMap()` Initializes the trie object.
- `void set(String key, String value, int timestamp)`
- `String get(String key, int timestamp)`

Practice

Question asked in:

Question 37

Accounts Merge

Medium

Given a list of `accounts` where each element `accounts[i]` is a list of strings where the first element `accounts[i][0]` is a name, and the rest of the elements are emails representing emails of the account.

After merging the accounts, return the accounts in the following format: the first element of each account is the name, and the rest of the elements are emails **in sorted order**. The accounts themselves can be returned in **any order.**

Practice

Question asked in:

Question 38

Sort Colors

Medium

Given an array `nums` with `n` objects colored red, white, or blue, sort them in-place so that objects of the same color are adjacent, with the colors in the order red, white, and blue.

You must solve this problem without using the library's sort function.

Practice

Question asked in:

Question 39

String to Integer (atoi)

Medium

Implement the `myAtoi(string s)` function, which converts a string string to a 32-bit signed integer (similar to C/C++'s atoi function).

Return the integer as the final result.

Practice

Question asked in:

Question 40

Spiral Matrix

Medium

Given an `m x n` `matrix` return *all elements of the* `matrix` *in spiral order.*

Practice

Question asked in:

Question 41

Subsets

Medium

Given an integer array `nums` of unique elements, return all possible subsets (the power set).

The solution set **must not** contain duplicate subsets. Return the solution in **any order.**

Practice

Question asked in:

Question 42

Binary Tree Right Side View

Medium

Given the `root` of a binary tree, imagine yourself standing on the right side of it, return *the values of the nodes you can see ordered from top to bottom.*

Practice

Question asked in:

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Question 43

Longest Palindromic Substring

Medium

Given a string `s` return the longest Palindromic Substring in `s`

Practice

Question asked in:

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Question 44

Unique Paths

Medium

There is a robot on an `m x n` grid. The robot is initially located at the **top-left corner.** The robot tries to move to the **bottom-right corner** The robot can only move either down or right at any point in time.

Given the two integers `m` and `n` , return the *number of possible unique paths that the robot can take to reach the bottom-right corner.*

Practice

Question asked in:

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Day 45

Find Median from Data Stream

Hard

The median is the middle value in an ordered integer list. If the size of the list is even, there is no middle value, and the median is the mean of the two middle values.

- For example, for `arr = [2,3,4]` , the median is `3`
- For example, for `arr = [2,3]` , the median is `(2 + 3) / 2 = 2.5`

Practice

Question asked in:

Day 46

Word Ladder

Hard

A **transformation sequence** from word `beginWord` to word `endWord` using a dictionary `wordList` is a sequence of words `beginWord -> s1 -> s2 -> ... -> sk` such that:

Given two words, `beginWord` and `endWord` , and a dictionary `wordList` , *return the* ***number of words*** *in the* ***shortest transformation sequence*** *from* `beginWord` *to* `endWord` *, or* `0` *if no such sequence exists.*

Practice

Question asked in:

tutort academy

Day 47

Basic Calculator

Hard

Given a string `s` representing a valid expression, implement a basic calculator to evaluate it, and return the result of the evaluation.

Practice

Question asked in:

Day 48

Maximum Profit in Job Scheduling

Hard

We have `n` where every job is scheduled to be done from `startTime[i]` to `endTime[i]`, obtaining a profit of `profit[i]`

Return the maximum profit you can take such that there are no two jobs in the subset with overlapping time range.

Practice

Question asked in:

tutort academy

Day 49

Merge k Sorted Lists

Hard

You are given an array of `k` linked-lists `lists` , each linked-list is sorted in ascending order.

Merge all the linked-lists into one sorted linked-list and return it.

Practice

Question asked in:

Day 50

Largest Rectangle in Histogram

Hard

Given an array of integers `heights` representing the histogram's bar height where the width of each bar is `1` , return *the area of the largest rectangle in the histogram.*

Practice

Question asked in:

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