

Medium Collection

Top Interview Questions



Overview

This is LeetCode's official curated list of Top classic interview questions to help you



Array and Strings

Array and String type of questions were asked in interviews frequently. You will find



Linked List

Linked List problems are relatively easy to master. Do not forget the Two-point



Trees and Graphs

Tree is a special type of graphs, so the two usual techniques used to traverse a



Backtracking

Here are some of the best backtracking interview questions. Letter Combin



Sorting and Searching

These problems deal with sorting or searching in a sorted structure. We



Dynamic Programming

Here are some classic Dynamic Programming interview questions. We recomm



Design

These problems may require you to implement a given interface of a clas



Math

Most of the math questions asked in interviews do not require math know



Others

Here are some other questions that do not fit in other categories. We recomm

Introduction



This is LeetCode's official curated list of Top classic interview questions to help you land your dream job. Our top interview questions are divided into the following series:

1. Easy Collection

2. Medium Collection

3. Hard Collection

to help you master Data Structure & Algorithms and improve your coding skills.

Just like any other skills, coding interview is one area where you can greatly improve with [deliberate practice](#).

Most of the classic interview questions have multiple solution approaches. For the best practice result, we strongly advise you to go through this list at least a second time, or even better - a *third time*.

By the second attempt, you may discover some new tricks or new methods. By the third time, you should find that your code appear to be more concise compared to your first attempt. If so, congratulations!

Remember: Deliberate practice does not mean looking for answers and memorizing it. You won't go very far with that approach. The more you are able to solve a problem yourself without any reference to answers, the more you will improve.

Array and Strings



<input checked="" type="checkbox"/> 3Sum	<input type="checkbox"/> Set Matrix Zeroes
<input checked="" type="checkbox"/> Group Anagrams	<input checked="" type="checkbox"/> Longest Substring Without Repeating ...
<input checked="" type="checkbox"/> Longest Palindromic Substring	<input type="checkbox"/> Increasing Triplet Subsequence
<input checked="" type="checkbox"/> Missing Ranges	

Linked List



<input checked="" type="checkbox"/> Add Two Numbers	<input checked="" type="checkbox"/> Odd Even Linked List
<input type="checkbox"/> Intersection of Two Linked Lists	

Trees and Graphs



<input type="checkbox"/> Binary Tree Inorder Traversal	<input type="checkbox"/> Binary Tree Zigzag Level Order Traversal
<input type="checkbox"/> Construct Binary Tree from Preorder an...	<input type="checkbox"/> Populating Next Right Pointers in Each...
<input checked="" type="checkbox"/> Kth Smallest Element in a BST	<input type="checkbox"/> Inorder Successor in BST
<input checked="" type="checkbox"/> Number of Islands	

Backtracking



<input checked="" type="checkbox"/> Letter Combinations of a Phone Number	<input checked="" type="checkbox"/> Generate Parentheses
<input type="checkbox"/> Permutations	<input type="checkbox"/> Subsets
<input type="checkbox"/> Word Search	

Sorting and Searching



<input type="checkbox"/> Sort Colors	<input type="checkbox"/> Top K Frequent Elements
<input checked="" type="checkbox"/> Kth Largest Element in an Array	<input type="checkbox"/> Find Peak Element
<input checked="" type="checkbox"/> Search for a Range	<input checked="" type="checkbox"/> Merge Intervals
<input checked="" type="checkbox"/> Search in Rotated Sorted Array	<input checked="" type="checkbox"/> Meeting Rooms II
<input type="checkbox"/> Search a 2D Matrix II	

Dynamic Programming



<input checked="" type="checkbox"/> Jump Game	<input type="checkbox"/> Unique Paths
<input checked="" type="checkbox"/> Coin Change	<input type="checkbox"/> Longest Increasing Subsequence

Design



<input type="checkbox"/> Flatten 2D Vector	<input checked="" type="checkbox"/> Serialize and Deserialize Binary Tree
<input checked="" type="checkbox"/> Insert Delete GetRandom O(1)	<input type="checkbox"/> Design Tic-Tac-Toe

Math



<input checked="" type="checkbox"/> Happy Number	<input type="checkbox"/> Factorial Trailing Zeroes
<input type="checkbox"/> Excel Sheet Column Number	<input type="checkbox"/> Pow(x, n)
<input type="checkbox"/> Sqrt(x)	<input type="checkbox"/> Divide Two Integers
<input type="checkbox"/> Fraction to Recurring Decimal	

Others



<input type="checkbox"/> Sum of Two Integers	<input type="checkbox"/> Evaluate Reverse Polish Notation
<input checked="" type="checkbox"/> Majority Element	<input type="checkbox"/> Find the Celebrity
<input type="checkbox"/> Task Scheduler	