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Medium Collection

Top Interview Questions

Overview

This is LeetCode's official curated list of Top classic interview questions to help you land your dream job.

Array and Strings

Array and String type of questions were asked in interviews frequently. You should master them.

Linked List

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

Trees and Graphs

Tree is a special type of graphs, so the two usual techniques used to traverse a tree are DFS and BFS.

Backtracking

Here are some of the best backtracking interview questions. Letter Combinations of a Phone Number is a good starting point.

Sorting and Searching

These problems deal with sorting or searching in a sorted structure. We recommend you to master them.

Dynamic Programming

Here are some classic Dynamic Programming interview questions. We recommend you to master them.

Design

These problems may require you to implement a given interface of a data structure. We recommend you to master them.

Math

Most of the math questions asked in interviews do not require math knowledge. We recommend you to master them.

Others

Here are some other questions that do not fit in other categories. We recommend you to master them.

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 checked="" type="checkbox"/> Set Matrix Zeroes
<input checked="" type="checkbox"/> Group Anagrams	<input checked="" type="checkbox"/> Longest Substring Without Rep...
<input checked="" type="checkbox"/> Longest Palindromic Substring	<input checked="" type="checkbox"/> Increasing Triplet Subsequence
<input checked="" type="checkbox"/> Missing Ranges	<input type="checkbox"/> Count and Say

Linked List



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

Trees and Graphs






<input checked="" type="checkbox"/> Binary Tree Inorder Traversal	<input checked="" type="checkbox"/> Binary Tree Zigzag Level Order ...
<input checked="" type="checkbox"/> Construct Binary Tree from Pre...	<input checked="" type="checkbox"/> Populating Next Right Pointers ...
<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...	<input checked="" type="checkbox"/> Generate Parentheses
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<input checked="" type="checkbox"/>  Permutations	<input checked="" type="checkbox"/>  Subsets
<input checked="" type="checkbox"/>  Word Search	





Sorting and Searching



<input checked="" type="checkbox"/>  Sort Colors	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>  Longest Increasing Subsequence








Design



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







Math



<input type="checkbox"/>  Happy Number	<input type="checkbox"/>  Factorial Trailing Zeroes
<input checked="" type="checkbox"/>  Excel Sheet Column Number	<input checked="" type="checkbox"/>  Pow(x, n)
<input checked="" type="checkbox"/>  Sqrt(x)	<input checked="" 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 type="checkbox"/>  Majority Element	<input checked="" type="checkbox"/>  Find the Celebrity 
<input type="checkbox"/>  Task Scheduler	