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Get Well Prepared for

# Facebook



## Overview

"Interviewing for a technical job is hard, and so is being the interviewer. You want to get that engineering job at Facebook, and we want to hire the best people (you!). Knowing what to expect on both sides can go a long way toward making the process work



## Arrays and Strings

Move Zeroes is a popular one for phone interviews. Note that you may be asked follow up about analyzing and optimizing the number of steps in your algorithm.



## Linked Lists

These are some popular Linked List questions being asked by Facebook. Add Two Numbers apparently is a popular one according to our user survey.



## Trees and Graphs

Facebook loves Tree types of problems. One of the Tree questions Facebook really likes to ask is Convert BST to Sorted Doubly Linked List, which you can practice below. You should also know topological sort and graph traversal as those are still occasionally



## Recursion

Definitely know how to generate permutations and combinations (subsets), which are great backtracking exercises. Remove Invalid Parenthesis is a popular one being asked at Facebook, and is also one of our favorite interview questions.



## Sorting and Searching

Interval related problems are quite often asked at Facebook interviews, such as Meeting Rooms II and Merge Intervals. These interval problems typically require you to sort it in order and apply some kind of linear search or binary search technique.



## Dynamic Programming

Decode Ways is a popular one being asked by Facebook. It is actually a simplified version of Squished Status, which appeared in Facebook's coding competition. We also have its variation Decode Ways II for you to practice.



## Design

Read N Characters Given Read4 and its follow up (part II) are quite often asked at Facebook according to our user survey. This is a pure coding problem, which corresponds well to the type of questions Facebook prefers. It is simple to think of an idea, but



## Others

Here are some other Facebook interview questions for you to practice. Integer to English Words is quite frequently asked according to our user survey. Find the Celebrity is a cute problem but requires some out of box thinking and Facebook seems to like this

## SQL

Are you applying for a Data Scientist position? You may be asked some basic SQL questions. Here are some SQL questions which has been asked by Facebook available for you to practice.

## Discuss

[\(/discuss/explore/facebook/\)](/discuss/explore/facebook/)

32 topics - share ideas and ask questions about this card

## Introduction



"Interviewing for a technical job is hard, and so is being the interviewer. You want to get that engineering job at Facebook, and we want to hire the best people (you!). Knowing what to expect on both sides can go a long way toward making the process work better."

- Carlos Bueno, an engineer in Facebook

Getting well prepared for an interview is important. However, preparing all questions asked is time consuming and stressful. The key points are practice and effective preparation.

We compiled this list thoroughly so you can save time and get well-prepared for a Facebook interview.

### Arrays and Strings



☐ Longest Substring Without Repe...

☐ String to Integer (atoi)

☐ Roman to Integer

☐ 3Sum

☐ Remove Duplicates from Sorted ...

☐ Next Permutation
















☐ Multiply Strings

☐ Group Anagrams

☐ Add Binary





☐ Minimum Window Substring

☐ Merge Sorted Array

<input type="checkbox"/>	 Valid Palindrome	
<input type="checkbox"/>	 Read N Characters Given Read4	
<input type="checkbox"/>	 Read N Characters Given Read4 I...	
<input type="checkbox"/>	 One Edit Distance	
<input type="checkbox"/>	 Product of Array Except Self	
<input type="checkbox"/>	 Integer to English Words	
<input type="checkbox"/>	 Move Zeroes	
<input type="checkbox"/>	 Longest Substring with At Most ...	
<input type="checkbox"/>	 Validate IP Address	
<input type="checkbox"/>	 Subarray Sum Equals K	
<input type="checkbox"/>	 Valid Palindrome II	








## Linked Lists






- |                          |   |
|--------------------------|---|
| <input type="checkbox"/> |  Add Two Numbers               |
| <input type="checkbox"/> |  Merge Two Sorted Lists        |
| <input type="checkbox"/> |  Copy List with Random Pointer |
| <input type="checkbox"/> |  Reorder List                  |

## Trees and Graphs





- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> |  Validate Binary Search Tree        |
| <input type="checkbox"/> |  Flatten Binary Tree to Linked List |
| <input type="checkbox"/> |  Binary Tree Maximum Path Sum       |
| <input type="checkbox"/> |  Clone Graph                        |
| <input type="checkbox"/> |  Binary Tree Right Side View        |
| <input type="checkbox"/> |  Number of Islands                  |
| <input type="checkbox"/> |  Lowest Common Ancestor of a B...   |

☐  Binary Tree Paths☒  Alien Dictionary ☐  Shortest Distance from All Buildi... ☐  Diameter of Binary Tree☐  Accounts Merge☐  Convert Binary Search Tree to So... ☐  Is Graph Bipartite?☐  Binary Tree Vertical Order Traver... 

## Recursion



☐  Letter Combinations of a Phone ...☐  Permutations☐  Permutations II☐  Remove Invalid Parentheses☐  Regular Expression Matching☐  Subsets☐  Strobogrammatic Number II 

## Sorting and Searching

☐  Divide Two Integers☐  Search in Rotated Sorted Array☐  Find First and Last Position of El...☐  Pow(x, n)☐  Merge Intervals☐  Find Peak Element☐  First Bad Version

☐  Intersection of Two Arrays☐  Intersection of Two Arrays II



## Dynamic Programming

☐  Longest Palindromic Substring☐  Longest Valid Parentheses☒  Decode Ways☒  Best Time to Buy and Sell Stock☐  Word Break☐  Range Sum Query 2D - Immutable☐  Continuous Subarray Sum


## Design







☐  LRU Cache☐  Binary Search Tree Iterator☐  Add and Search Word - Data str...☐  Serialize and Deserialize Binary T...

## Others

☐  Expression Add Operators☐  Find All Anagrams in a String☐  Permutation in String☒  Verifying an Alien Dictionary☐  Interval List Intersections

## SQL

☐  Second Highest Salary

<input type="checkbox"/>	 Nth Highest Salary	
<input type="checkbox"/>	 Customers Who Never Order	
<input type="checkbox"/>	 Friend Requests I: Overall Accept...	
<input type="checkbox"/>	 Friend Requests II: Who Has the ...	
<input type="checkbox"/>	 Department Top Three Salaries	

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