1. DFS
2. BFS
3. Sliding Window
4. Tree
5. LinkedList.
6. Log file
7. Treasure Island
8. find-all-anagrams-in-a-string
9. Find common ancestor for a n-ary tree
10. Merge two sorted linked lists.
11. Perform a depth first search on a binary tree.
12. Two sum problem
13. Log file and Treasure Island
14. Code question: how to compare two BST

| **Problem** | **Year** | **Position** | **Platform** | **Location** |
| --- | --- | --- | --- | --- |
| [Amazon Fresh Promotion](https://leetcode.com/discuss/interview-question/762546/) | 2020 | Experienced | SHL/HackerRank | USA |
| [Amazon Music Pairs](https://leetcode.com/discuss/interview-question/861432/) | 2020 | Experienced | HackerRank | USA |
| [Items in Containers](https://leetcode.com/discuss/interview-question/861453/) | 2020 | Experienced | SHL/HackerRank | USA |
| [Largest Item Association](https://leetcode.com/discuss/interview-question/782606/) | 2020 | Experienced | SHL | USA |
| [Turnstile](https://leetcode.com/discuss/interview-question/853053/) | 2020 | Experienced | SHL/HackerRank | USA |
| [Five Star Sellers](https://leetcode.com/discuss/interview-question/854110/) | 2020 | Experienced | HackerRank | USA |
| [Beta Testing](https://leetcode.com/discuss/interview-question/874984/) | 2020 | Experienced | HackerRank | USA |
| [Utilization Checks](https://leetcode.com/discuss/interview-question/895097/) | 2020 | Experienced | HackerRank | USA/India |
| [Top K Frequently Mentioned Keywords](https://leetcode.com/discuss/interview-question/542597/) | 2020 | Experienced | SHL | USA |
| [Transaction Logs](https://leetcode.com/discuss/interview-question/862600/) | 2020 | Experienced | HackerRank | USA |
| [Substrings of Size K with K-1 Distinct Chars](https://leetcode.com/discuss/interview-question/877624/) | 2020 | Experienced | SHL/HackerRank | USA |
| [Number of Islands](https://leetcode.com/problems/number-of-islands/) | 2020 | Experienced | SHL/HackerRank | USA |
| [Most Common Word](https://leetcode.com/problems/most-common-word) | 2020 | Experienced | SHL/HackerRank | USA |
| [Distance Between Nodes in BST](https://leetcode.com/discuss/interview-question/376375/) | 2020 | Experienced | SHL | USA |
| [K Closest Points to Origin](https://leetcode.com/problems/k-closest-points-to-origin) | 2020 | Experienced | SHL | USA |
| [Shopping Patterns](https://leetcode.com/discuss/interview-question/906481/) 🆕 | 2020 | Experienced | SHL/HackerRank | USA |
| [Cut off Rank](https://leetcode.com/discuss/interview-question/890290/) | 2020 | New Grad/Intern | SHL | USA |
| [Maximum Units](https://leetcode.com/discuss/interview-question/793606/) | 2020 | New Grad | SHL | USA |
| [Disk Space Analysis](https://leetcode.com/discuss/interview-question/808348/) | 2020 | New Grad | SHL | USA |
| [Nearest City](https://leetcode.com/discuss/interview-question/808374/) | 2020 | New Grad | SHL | USA |
| [Subtree with Maximum Average](https://leetcode.com/discuss/interview-question/349617) | 2020 | New Grad | SHL | USA |
| [Break a Palindrome](https://leetcode.com/problems/break-a-palindrome/) | 2020 | New Grad | SHL | USA |
| [Smallest Negative Balance](https://leetcode.com/discuss/interview-question/874127/) | 2020 | New Grad | SHL | USA |
| [Find The Highest Profit](https://leetcode.com/discuss/interview-question/823177/) | 2020 | New Grad | SHL | USA |
| [Ways to Split String Into Prime Numbers](https://leetcode.com/discuss/interview-question/833164/) | 2020 | New Grad | SHL | USA |
| [Fetch Items to Display](https://leetcode.com/discuss/interview-question/823159/) | 2020 | New Grad | SHL | USA |
| [Packaging Automation](https://leetcode.com/discuss/interview-question/854525/) 🆕 | 2020 | New Grad | SHL | USA |
| [Power Grid](https://leetcode.com/discuss/interview-question/900852/) 🆕 | 2020 | New Grad | SHL | USA |
| [Count Teams](https://leetcode.com/discuss/interview-question/903119/) 🆕 | 2020 | New Grad | SHL | USA |
| [Copy List with Random Pointer](https://leetcode.com/problems/copy-list-with-random-pointer/) | 2020 | New Grad | SHL | Europe |
| [LRU Cache Misses](https://leetcode.com/discuss/interview-question/855839/) | 2020 | Intern | SHL | USA |
| [Earliest Time to Complete Deliveries](https://leetcode.com/discuss/interview-question/892370/) 🆕 | 2020 | Intern | SHL | USA |
| [Chemical Delivery System](https://leetcode.com/discuss/interview-question/893279/) 🆕 | 2020 | Intern | SHL | USA |
| [Labeling System](https://leetcode.com/discuss/interview-question/893442/) | 2020 | Intern | SHL | USA |
| [Merge Two Sorted Lists](https://leetcode.com/problems/merge-two-sorted-lists) | 2020 | Intern | SHL | USA |
| [Maximal Square](https://leetcode.com/problems/maximal-square/) | 2020 | Intern | SHL | USA |
| [Throttling Gateway](https://leetcode.com/discuss/interview-question/895851/) 🆕 | 2020 | Intern | HackerRank | USA |
| [Unique Device Names](https://leetcode.com/discuss/interview-question/896563/) 🆕 | 2020 | Intern | SHL | USA |
| [Divisibility of Strings](https://leetcode.com/discuss/interview-question/897789/) 🆕 | 2020 | Intern | SHL | USA |
| [Multiprocessor System](https://leetcode.com/discuss/interview-question/899742/) 🆕 | 2020 | Intern | SHL | USA |
| [Winning Sequence](https://leetcode.com/discuss/interview-question/907575/) 🆕 | 2020 | Intern | SHL | USA |
| [Slowest Key Press](https://leetcode.com/discuss/interview-question/905158/) 🆕 | 2020 | Intern | SHL | USA |

**Notes**

Stack, Linked List, Queue, Heap, Binary Search Trees, Hash Tables and Graphs. Sorting and searching are the most popular questions in test. So brush up your knowledge on Merge Sort, Quick Sort, Heap Sort, Binary Search.

Tree traversals are also important. Read up on DFS and BFS. Cover all three traversal models pre Order, in Order and Post order. Study Prim’s and Dijkstra’s algorithms for graph traversal. Also read about Divide and Conquer and Dynamic Programming.