**1)**[K largest elements from a big file or array](https://www.geeksforgeeks.org/k-largestor-smallest-elements-in-an-array/).

**2)** [Find a triplet a, b, c such that a2 = b2 + c2](https://www.geeksforgeeks.org/find-pythagorean-triplet-in-an-unsorted-array/). Variations of this problem like find a triplet with sum equal to 0. Find a pair with given sum. All such questions are efficiently solved using hashing. – Practice [here](https://practice.geeksforgeeks.org/problem-page.php?pid=283)

**3)**Binary [tree traversal questions](http://quiz.geeksforgeeks.org/data-structure/tree-traversals/) like left view, right view, top view, bottom view, maximum of a level, minimum of a level, children sum property, diameter etc.

**4)** [Convert a Binary tree to DLL](https://www.geeksforgeeks.org/convert-a-given-binary-tree-to-doubly-linked-list-set-4/) – Practice [here](https://practice.geeksforgeeks.org/problem-page.php?pid=700144)

**5)**[Lowest Common ancestor in a Binary Search Tree and Binary Tree.](https://www.geeksforgeeks.org/lowest-common-ancestor-binary-tree-set-1/)

**7)** [Implement a stack with push(), pop() and min() in O(1) time.](https://www.geeksforgeeks.org/design-and-implement-special-stack-data-structure/)

**8)** [Reverse a linked list in groups of size k](https://www.geeksforgeeks.org/reverse-a-list-in-groups-of-given-size/) – Practice [here](https://practice.geeksforgeeks.org/problem-page.php?pid=700013)

**9)** [Given two numbers represented by two linked lists, write a function that returns sum list](https://www.geeksforgeeks.org/add-two-numbers-represented-by-linked-lists/) – Practice [here](https://practice.geeksforgeeks.org/problem-page.php?pid=700043)

**10)**[Rotate a matrix by 90 degree.](https://www.geeksforgeeks.org/inplace-rotate-square-matrix-by-90-degrees/)

**11)** [Stock span problem](https://www.geeksforgeeks.org/the-stock-span-problem/)

**12)** [Next greater element](https://www.geeksforgeeks.org/next-greater-element/)

**12)** Some Dynamic Programming problems like:

* [Maximum sum subarray such that no elements are consecutive](https://www.geeksforgeeks.org/maximum-sum-such-that-no-two-elements-are-adjacent/) – Practice [here](https://practice.geeksforgeeks.org/problem-page.php?pid=531)
* [Edit distance](https://www.geeksforgeeks.org/dynamic-programming-set-5-edit-distance/)
* [Assembly line scheduling](https://www.geeksforgeeks.org/dynamic-programming-set-34-assembly-line-scheduling/)

### Arrays

[Rotate Matrix](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-55)**[Arrangement](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-55)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-55)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-55)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-55)**

[Max Sum Contiguous Subarray](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)**[Array Math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[Paypal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[LinkedIn](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)****[Goldman Sachs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-56)**

[Find Duplicate in Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)**[Missing / Repeated number](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)****[Bucketing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)****[Bucketing or sorting](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)****[VMWare](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)****[Riverbed](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-57)**

[Spiral Order Matrix I](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)**[Simulation array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)****[JP Morgan](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)****[Flipkart](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-59)**

[Repeat and Missing Number Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-60)**[Missing / Repeated number](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-60)****[Array Math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-60)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-60)**

[Merge Overlapping Intervals](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-61)**[Value ranges](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-61)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-61)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-61)**

[Set Matrix Zeros](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-62)**[Space recycle](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-62)****[Oracle](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-62)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-62)**

[Spiral Order Matrix II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-63)**[Simulation array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-63)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-63)****[JP Morgan](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-63)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-63)**

[Largest Number](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)**[Arrangement](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)****[Bucketing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)****[Bucketing or sorting](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)****[Goldman Sachs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-64)**

[First Missing Integer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-65)**[Missing / Repeated number](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-65)****[Space recycle](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-65)****[Model N](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-65)****[InMobi](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-65)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-65)**

[Pascal Triangle](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-68)**[Simulation array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-68)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-68)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-68)**

[Max Distance](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-70)**[Bucketing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-70)****[Bucketing or sorting](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-70)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-70)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-70)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-70)**

[Next Permutation](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-71)**[Arrangement](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-71)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-71)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-71)**

[Wave Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-267)**[Bucketing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-267)****[Bucketing or sorting](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-267)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-267)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-267)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-267)**

[Maximum Absolute Difference](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-356)**[Array Math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-356)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-356)**

[Maximum Unsorted Subarray](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-359)**[Bucketing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-359)****[Bucketing or sorting](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-359)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-359)**

### System Design Interview Questions

[Design URL Shortener](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-343)**[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-343)****[Directi](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-343)****[Zenefits](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-343)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-343)**

[Design Messenger](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-351)**[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-351)****[Amazon Lab126](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-351)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-351)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-351)****[Twitter](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-351)**

### Math

[Excel Column Number](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-74)**[Base conversion](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-74)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-74)**

[Excel Column Title](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-76)**[Base conversion](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-76)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-76)**

[Grid Unique Paths](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-78)**[Combinatorics](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-78)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-78)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-78)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-78)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-78)**

[Power Of Two Integers](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-296)**[Adhoc](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-296)****[Housing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-296)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-296)**

### Binary Search

[Median of Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)**[Sort modification](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)****[VMWare](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)****[Goldman Sachs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-198)**

[Square Root of Integer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-200)**[Search answer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-200)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-200)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-200)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-200)**

[Rotated Sorted Array Search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-203)**[Sort modification](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-203)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-203)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-203)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-203)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-203)**

### Strings

[Implement StrStr](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)**[String Search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)****[Qualcomm](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)****[Wipro](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-173)**

[Integer To Roman](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-174)**[String math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-174)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-174)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-174)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-174)****[Twitter](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-174)**

[Roman To Integer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-177)**[String math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-177)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-177)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-177)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-177)****[Twitter](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-177)**

[Length of Last Word](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-178)**[Words](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-178)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-178)**

[Atoi](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)**[String parsing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Nvidia](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Agilent systems](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Bloomberg](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Apple](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)****[Groupon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-182)**

[Valid Ip Addresses](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-183)**[String parsing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-183)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-183)**

[Compare Version Numbers](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-184)**[String parsing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-184)****[Intuit](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-184)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-184)**

[Longest Palindromic Substring](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-185)**[string Tricks](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-185)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-185)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-185)****[Groupon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-185)**

[Reverse the String](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)**[Words](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)****[Qualcomm](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)****[Cisco](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-190)**

[Power of 2](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-272)**[String math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-272)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-272)**

[Minimum Characters required to make a String Palindromic](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-363)**[String parsing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-363)****[String Search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-363)****[string Tricks](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-363)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-363)**

### Bit Manipulation

[Reverse Bits](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-191)**[Bit play](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-191)****[Nvidia](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-191)****[HCL](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-191)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-191)**

[Single Number](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-193)**[Bit array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-193)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-193)**

[Divide Integers](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-194)**[Bit play](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-194)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-194)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-194)**

[Single Number II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-195)**[Bit array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-195)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-195)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-195)**

### Two Pointers

[3 Sum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-165)**[Sorting](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-165)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-165)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-165)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-165)**

[Remove Duplicates from Sorted Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)**[Inplace Update](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)****[United Healthgroup](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)****[Expedia](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-166)**

[Container With Most Water](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-169)**[Tricks](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-169)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-169)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-169)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-169)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-169)**

[Remove Element from Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-172)**[Inplace Update](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-172)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-172)**

[Max Continuous Series of 1s](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-273)**[Tricks](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-273)****[VMWare](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-273)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-273)**

### Linked Lists

[Swap List Nodes in pairs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-31)**[pointer move](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-31)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-31)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-31)**

[Rotate List](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-32)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-32)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-32)**

[Reorder List](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-33)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-33)****[pointer move](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-33)****[list trick](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-33)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-33)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-33)**

[Merge Two Sorted Lists](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-36)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-36)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-36)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-36)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-36)**

[Add Two Numbers as Lists](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-38)**[List math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-38)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-38)****[Qualcomm](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-38)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-38)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-38)**

[Remove Nth Node from List End](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-39)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-39)****[HCL](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-39)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-39)**

[List Cycle](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-43)**[List math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-43)****[List cycle](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-43)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-43)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-43)****[NetApp](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-43)**

[Intersection of Linked Lists](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-44)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-44)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-44)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-44)****[NetApp](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-44)****[Apache Design](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-44)**

[Reverse Link List II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)****[pointer move](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)****[list trick](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-45)**

[Palindrome List](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-331)**[List 2 pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-331)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-331)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-331)**

[K reverse linked list](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-380)**[pointer move](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-380)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-380)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-380)****[Linked Lists](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-380)**

### Stacks And Queues

[Rain Water Trapped](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-47)**[Stack math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-47)****[Qualcomm](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-47)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-47)**

[Generate all Parentheses](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-48)**[Stack simple](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-48)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-48)**

[Largest Rectangle in Histogram](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-49)**[cleverstack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-49)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-49)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-49)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-49)**

[Sliding Window Maximum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-50)**[cleverstack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-50)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-50)****[Chronus](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-50)****[Walmart labs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-50)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-50)**

[Min Stack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-52)**[Multiple stack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-52)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-52)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-52)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-52)**

[Redundant Braces](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-274)**[Stack simple](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-274)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-274)**

[Nearest Smaller Element](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-332)**[cleverstack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-332)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-332)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-332)**

### Backtracking

[Kth Permutation Sequence](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-135)**[Maths and backtracking](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-135)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-135)**

[Combination Sum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-136)**[Subsets](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-136)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-136)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-136)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-136)**

[Combination Sum II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-140)**[Subsets](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-140)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-140)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-140)****[Infosys](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-140)**

[NQueens](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-141)**[Game solving](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-141)****[Pruned builder](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-141)****[Qualcomm](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-141)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-141)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-141)**

[Combinations](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-142)**[Subsets](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-142)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-142)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-142)**

[Subsets II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-146)**[Subsets](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-146)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-146)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-146)**

[Subset](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-148)**[Subsets](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-148)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-148)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-148)**

[Palindrome Partitioning](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-149)**[Bruteforce builder](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-149)****[Pruned builder](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-149)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-149)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-149)**

### Hashing

[Longest Consecutive Sequence](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-152)**[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-152)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-152)**

[4 Sum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-153)**[Hash Search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-153)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-153)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-153)**

[Anagrams](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-154)**[Key formation](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-154)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-154)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-154)****[Goldman Sachs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-154)**

[Fraction](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-155)**[Maths and hashing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-155)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-155)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-155)**

[Points on the Straight Line](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-156)**[Maths and hashing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-156)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-156)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-156)****[InMobi](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-156)**

[2 Sum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-157)**[Hash Search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-157)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-157)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-157)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-157)**

[Valid Sudoku](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-158)**[Hash Search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-158)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-158)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-158)**

[Copy List](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-159)**[Key formation](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-159)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-159)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-159)**

[Longest Substring Without Repeat](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-161)**[Hashing two pointer](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-161)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-161)**

### Heaps And Maps

[Merge K Sorted Lists](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-238)**[heap](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-238)****[Flipkart](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-238)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-238)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-238)**

[LRU Cache](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-239)**[heapmap](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-239)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-239)****[Citigroup](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-239)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-239)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-239)**

[Distinct Numbers in Window](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-333)**[heapmap](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-333)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-333)**

### Tree Data Structure

[Inorder Traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-214)**[Traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-214)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-214)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-214)**

[Recover Binary Search Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-216)**[BST traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-216)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-216)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-216)**

[Inorder Traversal of Cartesian Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-217)**[Tree construction](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-217)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-217)**

[Least Common Ancestor](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)**[Tree search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-218)**

[Construct Binary Tree From Inorder And Preorder](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-219)**[Tree construction](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-219)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-219)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-219)**

[Flatten Binary Tree to Linked List](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-220)**[LinkedList tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-220)****[Adobe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-220)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-220)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-220)**

[Valid Binary Search Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-221)**[Simple tree ops](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-221)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-221)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-221)**

[Preorder Traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-222)**[Traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-222)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-222)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-222)**

[Binary Tree From Inorder And Postorder](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-224)**[Tree construction](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-224)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-224)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-224)**

[Balanced Binary Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-225)**[Simple tree ops](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-225)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-225)**

[Sorted Array To Balanced BST](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-226)**[Tree construction](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-226)****[VMWare](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-226)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-226)**

[Symmetric Binary Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-228)**[2 trees](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-228)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-228)**

[Postorder Traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-229)**[Traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-229)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-229)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-229)**

[Populate Next Right Pointers Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-230)**[level order](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-230)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-230)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-230)**

[Identical Binary Trees](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-231)**[2 trees](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-231)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-231)**

[BST Iterator](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-232)**[BST traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-232)****[Apple](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-232)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-232)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-232)**

[ZigZag Level Order Traversal BT](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-233)**[level order](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-233)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-233)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-233)**

[Path Sum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-234)**[Root to leaf](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-234)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-234)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-234)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-234)**

[Next Pointer Binary Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-235)**[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-235)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-235)**

[Min Depth of Binary Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-236)**[Root to leaf](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-236)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-236)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-236)**

[Root to Leaf Paths With Sum](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-237)**[Root to leaf](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-237)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-237)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-237)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-237)**

[Kth Smallest Element In Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-335)**[BST traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-335)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-335)**

[2-Sum Binary Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-336)**[BST traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-336)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-336)**

### Dynamic Programming

[Longest Increasing Subsequence](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)**[2D string DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)****[Epic systems](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-4)**

[Unique Binary Search Trees](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-5)**[DP optimized backtrack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-5)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-5)****[Twitter](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-5)**

[Max Product Subarray](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-9)**[Suffix / prefix DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-9)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-9)****[LinkedIn](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-9)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-9)**

[Ways to Decode](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-10)**[Simple array DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-10)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-10)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-10)**

[Best Time to Buy and Sell Stocks II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-11)**[Adhoc](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-11)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-11)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-11)**

[Best Time to Buy and Sell Stocks III](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-12)**[DP tricky](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-12)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-12)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-12)**

[Best Time to Buy and Sell Stocks I](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-14)**[Suffix / prefix DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-14)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-14)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-14)**

[Max Sum Path in Binary Tree](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-15)**[tree DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-15)****[Directi](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-15)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-15)**

[Palindrome Partitioning II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-18)**[Breaking words](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-18)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-18)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-18)**

[Min Sum Path in Matrix](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-19)**[Matrix DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-19)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-19)**

[Min Jumps Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-20)**[Greedy OR DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-20)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-20)****[Ebay](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-20)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-20)**

[Edit Distance](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-21)**[2D string DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-21)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-21)****[LinkedIn](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-21)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-21)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-21)**

[Unique Binary Search Trees II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-22)**[Multiply DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-22)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-22)****[Twitter](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-22)****[Samsung](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-22)**

[Jump Game Array](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-26)**[Greedy OR DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-26)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-26)****[Ebay](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-26)**

[Stairs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-30)**[Simple array DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-30)****[Morgan Stanley](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-30)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-30)****[Intel](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-30)**

[Evaluate Expression To True](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-280)**[DP tricky](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-280)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-280)**

[Arrange II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-299)**[Suffix / prefix DP](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-299)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-299)**

[Equal Average Partition](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-300)**[Knapsack](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-300)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-300)**

### Greedy Algorithm

[Gas Station](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)**[Bucket 2](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)****[Bloomberg](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)****[DE Shaw](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)****[Flipkart](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-1)**

[Majority Element](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-2)**[Bucket 3](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-2)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-2)****[Yahoo](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-2)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-2)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-2)**

[Distribute Candy](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-3)**[Bucket 1](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-3)****[Microsoft](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-3)****[Flipkart](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-3)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-3)**

[Highest Product](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-289)**[Bucket 5](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-289)****[Coursera](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-289)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-289)**

[Assign Mice to Holes](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-290)**[Bucket 1](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-290)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-290)**

### Graph Data Structure & Algorithms

[Clone Graph](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-211)**[graph hashing](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-211)****[Google](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-211)****[Facebook](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-211)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-211)**

[Word Search Board](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-212)**[graph traversal](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-212)****[Epic systems](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-212)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-212)**

[Black Shapes](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-291)**[graph connectivity](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-291)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-291)**

[Knight On Chess Board](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-292)**[Shortest path](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-292)****[Goldman Sachs](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-292)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-292)**

[Smallest Multiple With 0 and 1](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-338)**[BFS](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-338)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-338)**

[Commutable Islands](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-376)**[graph connectivity](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-376)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-376)**

[Possibility of finishing all courses given pre-requisites](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-377)**[graph connectivity](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-377)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-377)****[Depth first search](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-377)**

[Valid Path](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-418)**[BFS](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-418)****[graph connectivity](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-418)****[Morgan Stanley](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-418)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-418)****[Codenation](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-418)**

### Puzzles

[Monkeys and Doors](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-82)**[Math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-82)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-82)**

[The Tribe](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-95)**[Logical deduction](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-95)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-95)**

[Prisoners and Poison](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-107)**[Math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-107)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-107)**

[Light Switches in the Cellar](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-125)**[Game](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-125)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-125)**

[Next Number II](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-130)**[Math](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-130)****[Amazon](https://www.interviewbit.com/search/?q=Amazon" \l "toggle-problem-link-130)**