**Company interview questions:**

**Array/ArrayList**

Find duplicates in an array.

Find missing elements in an array (if there is no duplicates)

Find missing elements in an array (if there are duplicates)

Write a java program to find out the first two/three max values from an array?

How to serialize/de-serialize ArrayList in java

How to join/combine two ArrayLists in java

How to clone an ArrayList to another ArrayList

Synchronization of ArrayList in Java?

How to find largest and smallest number in unsorted array?

Find the smallest and second smallest elements in an array. In single traversal?

[Given the below input and output and asked to write in Java.   
Example 1)   
input : {1,2,3,4, &, 12,13,14,15}   
output : {15,14,13,12,1,2,3,4}](https://www.careercup.com/question?id=5461598851301376)

Given two sorted arrays, the task is to merge them in a sorted manner.

Print number of words, vowels and frequency of each character

Sum of all odd frequency elements in an array

Examples:

Input : arr[] = {1, 1, 2, 2, 3, 3, 3}

Output : 9

The odd occurring element is 3, and it's number of occurrence is 3. Therefore sum of all 3's in the array = 9.

Generating subarrays using recursion

Examples:

Input : [1, 2, 3]

Output : [1], [1, 2], [2], [1, 2, 3], [2, 3], [3]

Count distinct elements in an array

Check whether an Array is Subarray of another Array

Examples:

Input : A[] = {2, 3, 0, 5, 1, 1, 2}, B[] = {3, 0, 5, 1}  
Output : Yes

Input : A[] = {1, 2, 3, 4, 5}, B[] = {2, 5, 6}  
Output : No

Count distinct elements in an array

Write a function to find the maximum sum of sub array where the array can have negative and positive numbers.

Remove duplicates from a given string.

Find a peak element in an array

Find majority element in an array or element which repeated maximum

Median of Two sorted arrays, two sorted arrays are given merge them and find median.

Find minimum length sub array with Sum K, given an array having positive and negative integers and a number k, find the minimum length sub array with sum = k

Binary search in sorted array

Create a balanced BST from a sorted array

Print Matrix diagonally

Find the missing number in the increasing sequence 1 to n, without traversing in linear fashion.

Count frequencies of array elements in range 1 to n

Find the number which occurs odd no of times

Find the element which appears once in the array

First non-repeating character in string

Find missing number in duplicate array

Check whether an Array is Subarray of another Array