Find the Maximum Element in an Array:
Write a Java program to find the maximum element in an array of integers.
Find the Minimum Element in an Array:
Write a Java program to find the minimum element in an array of integers.
Find the Second Largest Element in an Array:
Write a Java program to find the second largest element in an array of integers.
Find the Kth Smallest Element in an Unsorted Array:
Write a Java program to find the Kth smallest element in an unsorted array of integers.
Find Duplicates in an Array:
Write a Java program to find and print all the duplicate elements in an array.
Rotate an Array:
Write a Java program to rotate an array to the right by a given number of positions.
Find Subarray with Maximum Sum (Kadane's Algorithm):
Write a Java program to find the subarray with the maximum sum in an array of integers.
Remove Duplicates from a Sorted Array:
Write a Java program to remove duplicate elements from a sorted array in-place and return the length of the new array.
Merge Two Sorted Arrays:
Write a Java program to merge two sorted arrays into a single sorted array.
Search for an Element in a Rotated Sorted Array:
Write a Java program to search for a target element in a rotated sorted array.
Count Inversions in an Array:
Write a Java program to count the number of inversions in an array.
Find Missing Number in an Array of 1 to N:
Write a Java program to find the missing number in an array containing elements from 1 to N.
Dutch National Flag Problem (Sort 0s, 1s, and 2s):
Write a Java program to sort an array containing 0s, 1s, and 2s.
Find the Majority Element:
Write a Java program to find the majority element in an array, which occurs more than N/2 times.
Product of Array Except Self:
Write a Java program to compute the product of an array except for the current element.
Trapping Rainwater:
Write a Java program to calculate the amount of water that can be trapped between the bars of an elevation map.
Best Time to Buy and Sell Stock:
Write a Java program to find the maximum profit that can be obtained by buying and selling stocks.
Spiral Matrix Traversal:
Write a Java program to traverse a 2D matrix in a spiral order.
Two Sum:
Write a Java program to find two elements in an array that sum up to a specific target.
Three Sum:
Write a Java program to find all unique triplets in an array that sum up to zero.

These are just a few examples of common array-related coding questions that you might encounter in interviews or coding competitions. Understanding these problems and their solutions will help you improve your problem-solving skills in Java.