Array Questions for Practice

Basic Array Questions

1. Take 5 integers in an array from the user and print them.
2. Find the largest element in an array.
3. Find the smallest element in an array.
4. Calculate the sum of all elements in an array.
5. Calculate the average of array elements.
6. Count how many positive and negative numbers are in an array.
7. Print the array in reverse order.
8. Search for an element in an array (linear search).

Medium Level

1. Find the second largest element in an array.
2. Find the second smallest element in an array.
3. Count frequency of each element in an array.
4. Remove duplicates from an array.
5. Copy all elements of one array into another.
6. Sort an array in ascending order (any method).
7. Sort an array in descending order.
8. Rotate array elements by 1 position to the left.
9. Rotate array elements by 1 position to the right.
10. Merge two arrays into a third array.
11. Find the maximum product of two elements in an array.
12. Count even and odd numbers in an array.

Logical / Thinking

1. Find the missing number in an array of 1 to n.
2. Reverse the array without using another array.
3. Check if the array is a palindrome.
4. Find the majority element (appears more than n/2 times).
5. Move all zeros to the end while maintaining order.
6. Find the subarray with maximum sum (Kadane's Algorithm).
7. Print all unique elements of an array.
8. Count the number of pairs with a given sum.
9. Find the intersection of two arrays.
10. Find the union of two arrays.