

Array Practice Questions:

Easy Level

1. Find the Maximum Number in an Array

Write a Java program to find the **maximum** number in a given array.

Example:

Input: [5, 12, 8, 20, 3]

Output: 20

2. Reverse an Array

Write a Java program to reverse a given array **without using extra space**.

Example:

Input: [1, 2, 3, 4, 5]

Output: [5, 4, 3, 2, 1]

Medium Level

3. Find the Missing Number in an Array

You are given an array containing N-1 distinct numbers from 1 to N. Find the **missing number**.

Example:

Input: [1, 2, 4, 5, 6] (N = 6)

Output: 3

4. Move All Zeros to the End

Write a Java program to move all zeros in an array to the **end**, while maintaining the relative order of non-zero elements.

Example:

Input: [0, 1, 0, 3, 12]

Output: [1, 3, 12, 0, 0]

5.Find Pairs with Given Sum

Given an integer array and a target sum, find **all pairs** of numbers that add up to the given sum.

Example:

Input: arr = [1, 4, 6, 8, 3, 2], target = 10

Output: (4, 6), (8, 2)