

Q1. Find Second Largest Number (Easy, Array)

Problem: Return the second largest number in an array.

Example:

Input: [5,3,9,7]

Output: 7

Q2. Find Majority Element (Medium, Array)

Problem: Element that appears more than $n/2$ times.

Example:

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

Output: 2

Q3. Linear Search (Easy, Array)

Problem: Search for a given number in an array.

Example:

Input: array = [4,1,8,3], target = 8

Output: index = 2

Q4. Sum of Digits (Easy, Math)

Problem: Return the sum of all digits of a number.

Example:

Input: 543

Output: 12

Q5. Find First Repeating Element (Medium, Array)

Problem: Return the first element that appears more than once.

Example:

Input: [5,3,4,3,5,6]

Output: 3

Q6. Check Anagram Strings (Medium, String)

Problem: Two strings are anagrams if they contain same characters in any order.

Example:

Input: "listen", "silent"

Output: true

Q7. Longest Word in Sentence (Medium, String)

Problem: Given a sentence, return the longest word.

Example:

Input: "I love programming"

Output: "programming"

Q8. Find Missing & Duplicate Number (Medium, Array)

Problem: Array has numbers 1..n, but one number is missing & one appears twice.

Example:

Input: [1,2,2,4]

Output: Duplicate = 2, Missing = 3
