

Technical Test

Q1. Reverse Words in a String

Given a sentence, reverse the order of words without reversing the characters in each word.

Input:

"I love programming"

Output:

"programming love I"

Q2. Find the Missing Number

You are given an array of integers from 1 to N with one number missing. Find the missing number.

Input:

[1, 2, 4, 5, 6]

Output:

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Q3. Check for Palindrome Number

Write a function to check if a number is a palindrome (reads the same forwards and backwards).

Input:

121 → Palindrome

123 → Not Palindrome

Q4. First Non-Repeating Character

Given a string, find the first non-repeating character.

Input:

"swiss"

Output:

"w"

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Q5. Two Sum Problem

Given an array of numbers and a target, return the indices of the two numbers that add up to the target.

Input:

nums = [2, 7, 11, 15], target = 9

Output:

[0, 1] (since $\text{nums}[0] + \text{nums}[1] = 9$)

Q6. Count Occurrences of Each Character

Write a function that counts the frequency of each character in a string.

Input:

"hello"

Output:

h:1, e:1, l:2, o:1

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Q7. Fibonacci Series (Nth Term)

Write a program to print the Nth Fibonacci number.

Input:

N = 7

Output:

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