

Summary of C Programming Problems (No Input/Output)

Problem 1 - Matrix Addition

Objective: Add two matrices of the same dimension element-wise. The resulting matrix contains the sum of corresponding elements from the two matrices.

Problem 2 - Matrix Mirror Inversion

Objective: Flip each row of the matrix horizontally to simulate a mirror reflection. The order of elements in each row is reversed.

Problem 3 - Subsequence with No Adjacent Same Characters

Objective: Find the maximum length of a subsequence from a string where no two adjacent characters are the same. The characters in the subsequence must maintain their original order.

Problem 4 - Word Count

Objective: Count the number of words in a given string. A word is defined as a sequence of alphabetic characters separated by spaces.

Problem 6 - Lucky Array

Objective: Determine if an array is 'Lucky' based on the frequency of its minimum element. If the frequency is odd, it's Lucky; otherwise, it's Unlucky.

Problem 7 - Magic Square Check

Objective: Check if a square matrix is a magic square. A magic square has all rows, columns, and diagonals summing to the same value.