

C programming lab questions on 7/10/2024

Title: Programs using Arrays

Preparation questions

1. Write a program to read an array of integers and sort the array in ascending order
2. Write a program to find the second smallest element in an array.
3. Write a program to find the closest pair in an array of integers
4. Write a program to take an element in an array and find its closest pair in another array
5. Write a program to read a matrix and find the sum of each row

Execution Questions

1. Write a program to read two matrices and display in matrix form and add two matrices and display same in matrix form
2. Write a program to compare two strings and check whether they are equal.
3. Write to program to copy the content of one string to another.
4. Suppose the weekly hours for all employees are stored in a two-dimensional array. Each row records an employee's seven-day work hours with seven columns.

	Su	M	T	W	Th	F	Sa
Employee 0	2	4	3	4	5	8	8
Employee 1	7	3	4	3	3	4	4
Employee 2	3	3	4	3	3	2	2
Employee 3	9	3	4	7	3	4	1
Employee 4	3	5	4	3	6	3	8
Employee 5	3	4	4	6	3	4	4
Employee 6	3	7	4	8	3	8	4
Employee 7	6	3	5	9	2	7	9

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