CS23C04 PROGRAMMING IN C : 08.10.2026, 'P' Batch

1. Write a program to create 3x3 matrix X and get the values for it from the user. Find and display the sum of its diagonal elements.
2. Write a C program to find the string length without using built-in function.
3. Write a C program to string copy one string to another string
4. Write a C program to concatenate two strings.
5. Write a C program to sort the elements in an array using bubble sort.

Spot Questions:

1. Write a C program to read two matrices and perform matrix multiplication**.**
2. Write a C program to count the number of alphabets, digits, spaces, and special characters in a given string.
3. Write a C program to compare two strings without using **`strcmp()`** and display whether they are equal or not.

4. Write a C program to find the substring present in the given string.
5. Write a C program to sort the student's names in alphabetical order.