CO 10507: Programming for Problem Solving
Section : All (2023-2024 Sem B)
Lab Assignment 03
Max. Marks: 10

1. Late submission and copying is not allowed. If found then students involved in copying will fail in this course.

Q. No.	Question	CO	
1	Write a program in C to find the maximum and minimum elements in an array.	CO3, CO4	
2	Write a program in C to separate odd and even integers into separate arrays.	CO3, CO4	
3	Write a program in C to read n number of values in an array and display them in reverse order.	CO3, CO4	
4	Write a program in C to count the total number of duplicate elements in an array.	CO3, CO4	
5	Write a program in C for multiplication of two square Matrices.	CO3, CO4	
6	Write a program in C to merge two arrays of the same size sorted in descending order.	CO3, CO4	
7	Write a program in C to insert the values in the array (sorted list).	CO3, CO4	
8	Write a C program to check whether a string is palindrome or not.	CO3, CO4	
9	Write a program in C to check whether a given matrix is an identity matrix.	CO3, CO4	

10	Write a program in C to copy the elements of one array into another array.
	
	Test Data :
	     Input the number of elements to be stored in the array :3
	     Input 3 elements in the array :
	     element - 0 : 15
	     element - 1 : 10
	     element - 2 : 12
	Expected Output :
	The elements stored in the first array are :
	15 10 12
	The elements copied into the second array are :
	15 10 12
		CO3, CO4	