Tutorial Sheet

1. Reverse Array Using Recursion

Write a C program that reverses an array of integers using recursion.

2. Find Second Largest Element in an Array

Write a C program that finds the second largest element in an array of integers. If the array has less than two elements, print a message indicating that a second largest element doesn't exist.

3. Count Occurrences of a Character in a String

Write a C program that counts the number of occurrences of a specific character in a given string.

4. Check if Two Strings are Anagrams

Write a C program that checks whether two given strings are anagrams (i.e., they contain the same characters in any order). The program should ignore spaces and letter case.

5. Find Length of a String Without Using `strlen()`

Write a C program that finds the length of a string without using the `strlen()` function, but instead using a loop to count the characters manually.

6. Check if a String is a Palindrome

Write a C program that checks if a string is a palindrome. The program should ignore spaces and letter case.