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| ARRAYS Task 01: a) Write a C++ programs which reads a string (using String data type) and convert it into character arrays.   b) Write a C++ programs which reads in character array of all the consonants from the user and sort the array in ascending and descending order. If the user provides any vowel your program should either skip that input or store the vowel in an another array, and will ask for a valid value (consonant). Task 02: Write a C++ program that takes 10 elements from the user and copies the first array element into the second array.  **Example:**  **Arr1:** 2 5 18 16 3 12 7 1 20 10  **Arr2:** 2 5 18 16 3 12 7 1 20 10 Task 03: Write a C++ program that compares two integer arrays and prints the elements that are present in the first array but not in the second array.  **Example:**  **Arr1:** 2 5 18 16 3 12 7 1 20 10  **Arr2:** 3 7 6 8 15 9 12 1  **Elements not present in Arr2:** 2 5 18 16 20 10 Task 04: Write a C++ program which prints vowels present in the character array entered by the user. Task 05: Write a program in C++ to create a Cstring of size 20. Initialize it with your first name and display the count of letters in your first name as follows:  **Expected Output:**  Input your first name: Ammar your first name has 5 letters Task 06: Write a program in C++ to create a Cstrings of size 60. Initialize it with a sentence of your choice using strcpy. (Note a sentence consist of multiple words with spaces in between and ends at full stop). Count all the spaces in the sentence and display the count as follows:  **Expected Output:**  Your stored sentence is: Where there is a will there is a way. Total spaces = 8 Task 07: Write a program in C++ to create a Cstrings of size 60. Initialize it with a sentence of your choice using strcpy. (Note a sentence consist of multiple words with spaces in between and ends at full stop). Count all the occurrences of a character n input by user in it and display and display the count as follows:  **Expected Output: Sample 1:**  Your stored sentence is: Where there is a will there is a way. Input character to count occurrences: e e occurs 6 times  **Sample 2:**  Your stored sentence is: Where there is a will there is a way. Input character to count occurrences: z z occurs 0 times |