Lab 10 String

Please test the correctness of your programs using PASS.
In this lab, the length of all the input cstrings are less than 50.

Question-3.

Write a complete function named **mergeStrings** that receives two character strings (str1 and str2) as parameters. The function must create and return a new string that contains the characters from str1 and str2 and is alphanumerically ordered. For example, if str1 were "EFCHJI" and str2 were "BADG", the function must create and return a new string containing "ABCDEFGHIJ". You can assume that characters in the strings str1 and str2 are unique (i.e., they cannot appear in both strings).
You may use library string functions from cstring in your solution. You may assume that the arguments are **equal sized** strings.

Hint:
-- Before merge two strings together you may sort the two strings in alphanumerical order respectively.
-- You may use the function strcmp() in <cstring> for comparing two strings.

Sample input and output:

Example 1	Example 2
Input String 1: BADG Input String 2: FHCE Merged String: ABCDEFGH	Input String 1: OVPWX Input String 2: QRSTU Merged String: OPQRSTUVWX
Example 3	**Example 4**
Input String 1: JEI Input String 2: FHG Merged String: EFGHIJ	Input String 1: CBALJK Input String 2: FDEGHI Merged String: ABCDEFGHIJKL