

1. Draw flow chart to find the second highest alphabet in a string. Also write a program to do so.
2. Draw flow chart to implement strcmp. Write a program to implement strcmp.
3. Write a user-defined function to implement strrchr, which returns the last occurrence of a character in a string. NOTE: use one loop only.
4. Create user-defined strstr, strchr, atoi(ascii to int), itoa(integer to ascii), strcat.
5. Write a program to search a sub-string(s2) in a larger string(s1) and perform the followings:
 - a) remove all occurrences of s2 in s1.
 - b) Hide all occurrences of s2 in s1.
 - c) Replace all occurrences of s2 with its reverse equivalent in s1.
6. Explain the use of const type-qualifier.
 - a) Justify the modification(writing) on const-qualified-variable.
 - b) Can a global const-qualified variable be modified through pointer? Why?
 - c) If above answer is no, then what should we do to allow the modification.
7. Convert all vowels to upperCase in a string.
8. Sort a supplied string, using bubble, selection and insertion sort.
9. Count the number of words in a given string.
10. Remove the middle word in a given string.