Assignment: String

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Instructions:

· **Complete this assignment in the next 24 hours.**

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Program 1. Write a program which accepts a sentence from the user and print that sentence.

Input: My name is
Output: My name is

Program 2. Write a program which accepts a string from the user which contains characters from 'b' to 'y'.

Input: mn jn kn kazfd
Output: mn jn kn k

Program 3. Write a program which accepts sentences from the user and print a number of small letters, capital letters and digits from that sentence.

Input: abcDE 5Glm1 O
Output: Small:5 Capital: 4 Digits: 2

Program 4. Write a program which accepts sentences from the user and print length of that sentence (Implement strlen()).

Input: India is my
Output: 11

Program 5. Write a program which accepts sentences from the user and print a number of white spaces from that sentence.

Input: In my company
Output: 2

Program 6. Write a program which accepts sentences from the user

and prints a number of words from that sentence.

Input: In my company
Output: 3

Program 7. Write a program which accepts sentences from the user and print a number of words of even and odd length from that sentence.

Input: In my company
Output: Even: 2 Odd:1

Program 8. Write a program which accepts sentences from the user and prints the last word from that sentence.

Input: In my company
Output: company

Program 9. Write a program which accepts sentences from user and position from user and print the word at that position.

Input: is my he she

Position: 3
Output: he

Program 10. Write a program to convert the string from upper case to lower case (Implement strlwr()).

Input: DevIce DriVer
Output: device driver

Program 11. Write a program to convert the string from lowercase to uppercase (Implement strupr()).

Input: DevIce DriVer
Output: DEVICE DRIVER

Program 12. Write a program which toggles the case of a string.

Input: DevIce DriVer
Output: dEViCE dRIvER

Program 13. Write a program to check whether given strings are Anagram strings or not.

Input: abccd cbcda
Output: Strings are anagram

Input: shashi ashish
Output: Strings are anagram

Program 14. Write a program which accepts a string from the user and copy that string into some other string (Implement strcpy()).

Program 15. Write a program which accepts strings from the user and copy first N characters into some destination string (Implement strncpy()).

Input: India is my Country

N : 8
Output: India is

Program 16. Write a program which accepts strings from the user and accept number N then copy the last N character into some other string.

Input: India is my

N : 5
Output: is my

Program 17. Write a program which accepts two strings from the user and appends the second string after the first string(Implement strcat()).

Input: FirStr SecStr
Output: FirStrSecStr

Program 18. Write a program which accepts two strings from the user and appends N characters of second string after first string(Implement strncat()).

Input: FirStr SecStr

N : 4
Output: FirStrSecS

Program 19. Write a program which accepts two strings from the user and compares two strings. If both strings are equal then return 0 otherwise return difference between first mismatch character (Implement strcmp()).

Input: FirStr FirStr
Output: Both strings are equal.

Program 20. Write a program which accepts two strings from the user and compares only first N characters of two strings. If both strings are equal till first N characters then return 0 otherwise return difference between first mismatch character (Implement strncmp()).

Input: FirStr FirNew

N : 3
Output: Both strings are equal.

Program 21. Write a program which accepts two strings from the user and compare two strings without case sensitivity. If both strings are equal then return 0 otherwise return difference between first mismatch character (Implement stricmp()).

Input: FirStr FIRStR

Output: Both strings are equal.

Program 22. Write a program which accepts string from the user and then reverse the string without taking another string (Implement strrev()).

Input: Hello World
Output: dlroW olleH

Program 23. Write a program which accepts string from the user and then reverse the string till first N characters without taking another string.

Input: Hello World

N : 5
Output: olleH World

Program 24. Write a program which accepts string from the user and then reverse the string till the last N characters without taking another string.

Input: Hello World

N : 5
Output: Hello dlroW

Program 25. Write a program which accepts strings from the user and then accepts a range and reverse the string in that range without taking another string.

Input: Hello World

Start: 3

End : 8

Output: HeoW ollrld

Program 26. Write a program which accepts strings from the user and reverse words from that string.

Input: Hello World
Output: olleH dlroW

Program 27. Write a program which accepts strings from the user and reverse words from that string which are of even length.

Input: New HO abcd can
Output: New OH dcba can

Program 28. Write a program which accepts strings from the user and check whether the string is palindrome or not.

Input: level
Output: String is palindrome.

Program 29. Write a program which sets all characters in string to a specific character (Implement strset()).

Input: HelloWorld

Char : a
Output: aaaaaaaaaa

Program 30. Write a program which sets first N characters in string to a specific character (Implement strnset()).

Input: HelloWorld a

N : 8
Output: aaaaaaaald

Program 31. Write a program which sets first N characters in string to a specific character

Input: HelloWorld a

N : 8
Output: Heaaaaaaaa

Program 32. Write a program which accepts string from the user and searches for the first occurrence of a specific character in string and returns the position at which character is found (Implement strchr()).

Input: India is my country.

Enter Char : m
Output: Character m is found at position 9

Program 33. Write a program which accepts string from user and search last occurrence of specific character in string and return the position at which character is found (Implement strchr()).

Input: India is my country.

Enter char : n
Output: Character n is found at position 15