



Theory: ~~of manipulating strings by giving a string a title; giving a string a descriptive title~~

String:

String is defined as an array of character or a pointer to character.

NULL-terminated string:

As in string definition, we have two ways to declare string the first way is declare an array of characters

as follows:

char str[] = "string";

or

char str[20];

String operation (explain each operation detail with example)

- To display word with the longest length
- To determine the frequency occurrence of particular character in string
- To check whether given string is palindrome or not
- To display index of first appearance of substring
- To count the occurrence of each word in given string

Algorithm:

A) To check whether given string is palindrome or not

- Input the string.

- Find the reverse of the string.



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• IF the reverse of the string is equal to the input string.

then return true. Else, return false

B) TO determine the frequency of occurrence of particular character in the strings.

- First, we split the string by spaces in q.
- Then, take a variable count=0 and in every true condition we increment the count by 1
- Now run a loop at 0 to length of string and check if our string is equal to the word. If contains is true then we increment the value of count by 1 and in the end we print the value of count

E) Count the occurrence of each word in a given string

Questions:

1. Write a program to find the conclusion:

By this way, we can perform string operations successfully.



Flowchart:-

