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C String





Content

- ◇ **C Programming Strings**
- ◇ **String Manipulations In C Programming Using Library Functions**





How to declare a string?

- ◇ Strings are actually one-dimensional array of characters terminated by a **null** character '\0'. Thus a null-terminated string contains the characters that comprise the string followed by a **null**.
- ◇ The following declaration and initialization create a string consisting of the word "Hello". To hold the null character at the end of the array, the size of the character array containing the string is one more than the number of characters in the word "Hello."
- ◇ `char greeting[6] = {'H', 'e', 'l', 'l', 'o', '\0'};`





String Manipulations In C Programming Using Library Functions

- ◇ Strings in C using library functions such as gets(), puts, strlen() and more. You'll learn to get string from the user and perform operations on the string.

<u>strlen()</u>	computes string's length
<u>strcpy()</u>	copies a string to another
<u>strcat()</u>	concatenates(joins) two strings
<u>strcmp()</u>	compares two strings
strlwr()	converts string to lowercase
strupr()	converts string to uppercase





Thanks!

Any questions?

