

C LIBRARY FUNCTION - STRCMP

http://www.tutorialspoint.com/c_standard_library/c_function_strcmp.htm

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Description

The C library function **int strcmp***constchar * str1, constchar * str2* compares the string pointed to, by **str1** to the string pointed to by **str2**.

Declaration

Following is the declaration for strcmp function.

```
int strcmp(const char *str1, const char *str2)
```

Parameters

- **str1** -- This is the first string to be compared.
- **str2** -- This is the second string to be compared.

Return Value

This function return values that are as follows:

- if Return value < 0 then it indicates str1 is less than str2.
- if Return value > 0 then it indicates str2 is less than str1.
- if Return value = 0 then it indicates str1 is equal to str2.

Example

The following example shows the usage of strcmp function.

```
#include <stdio.h>
#include <string.h>

int main ()
{
    char str1[15];
    char str2[15];
    int ret;

    strcpy(str1, "abcdef");
    strcpy(str2, "ABCDEF");

    ret = strcmp(str1, str2);

    if(ret < 0)
    {
        printf("str1 is less than str2");
    }
    else if(ret > 0)
    {
        printf("str2 is less than str1");
    }
    else
    {
        printf("str1 is equal to str2");
    }

    return(0);
}
```

Let us compile and run the above program that will produce the following result:

`str2 is less than str1`

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