**<cstring> (string.h)**

**C Strings**

This header file defines several functions to manipulate *C strings* and arrays.

**Functions**

**Copying**:

[**memcpy**](http://www.cplusplus.com/reference/cstring/memcpy/)

Copy block of memory (function )

[**memmove**](http://www.cplusplus.com/reference/cstring/memmove/)

Move block of memory (function )

[**strcpy**](http://www.cplusplus.com/reference/cstring/strcpy/)

Copy string (function )

[**strncpy**](http://www.cplusplus.com/reference/cstring/strncpy/)

Copy characters from string (function )

**Concatenation**:

[**strcat**](http://www.cplusplus.com/reference/cstring/strcat/)

Concatenate strings (function )

[**strncat**](http://www.cplusplus.com/reference/cstring/strncat/)

Append characters from string (function )

**Comparison**:

[**memcmp**](http://www.cplusplus.com/reference/cstring/memcmp/)

Compare two blocks of memory (function )

[**strcmp**](http://www.cplusplus.com/reference/cstring/strcmp/)

Compare two strings (function )

[**strcoll**](http://www.cplusplus.com/reference/cstring/strcoll/)

Compare two strings using locale (function )

[**strncmp**](http://www.cplusplus.com/reference/cstring/strncmp/)

Compare characters of two strings (function )

[**strxfrm**](http://www.cplusplus.com/reference/cstring/strxfrm/)

Transform string using locale (function )

**Searching**:

[**memchr**](http://www.cplusplus.com/reference/cstring/memchr/)

Locate character in block of memory (function )

[**strchr**](http://www.cplusplus.com/reference/cstring/strchr/)

Locate first occurrence of character in string (function )

[**strcspn**](http://www.cplusplus.com/reference/cstring/strcspn/)

Get span until character in string (function )

[**strpbrk**](http://www.cplusplus.com/reference/cstring/strpbrk/)

Locate characters in string (function )

[**strrchr**](http://www.cplusplus.com/reference/cstring/strrchr/)

Locate last occurrence of character in string (function )

[**strspn**](http://www.cplusplus.com/reference/cstring/strspn/)

Get span of character set in string (function )

[**strstr**](http://www.cplusplus.com/reference/cstring/strstr/)

Locate substring (function )

[**strtok**](http://www.cplusplus.com/reference/cstring/strtok/)

Split string into tokens (function )

**Other**:

[**memset**](http://www.cplusplus.com/reference/cstring/memset/)

Fill block of memory (function )

[**strerror**](http://www.cplusplus.com/reference/cstring/strerror/)

Get pointer to error message string (function )

[**strlen**](http://www.cplusplus.com/reference/cstring/strlen/)

Get string length (function )