

Standard library header <cstring>

This header was originally in the C standard library as <string.h>.

This header is for C-style null-terminated byte strings.

Macros

NULL implementation-defined null pointer constant
(macro constant)

Types

size_t unsigned integer type returned by the sizeof operator
(typedef)

Functions

String manipulation

strcpy	copies one string to another (function)
strncpy	copies a certain amount of characters from one string to another (function)
strcat	concatenates two strings (function)
strncat	concatenates a certain amount of characters of two strings (function)
strxfrm	transform a string so that strcmp would produce the same result as strcoll (function)

String examination

strlen	returns the length of a given string (function)
strcmp	compares two strings (function)
strncmp	compares a certain number of characters from two strings (function)
strcoll	compares two strings in accordance to the current locale (function)
strchr	finds the first occurrence of a character (function)
strrchr	finds the last occurrence of a character (function)
strspn	returns the length of the maximum initial segment that consists of only the characters found in another byte string (function)
strcspn	returns the length of the maximum initial segment that consists of only the characters not found in another byte string (function)
strpbrk	finds the first location of any character from a set of separators (function)
strstr	finds the first occurrence of a substring of characters (function)
strtok	finds the next token in a byte string (function)

Character array manipulation

memchr	searches an array for the first occurrence of a character (function)
memcmp	compares two buffers (function)
memset	fills a buffer with a character (function)
memcpy	copies one buffer to another

(function)

memmove moves one buffer to another
(function)

Miscellaneous

strerror returns a text version of a given error code
(function)

Notes

- NULL is also defined in the following headers:
 - <locale>
 - <ctime>
 - <stddef>
 - <stdio>
 - <wchar>
- `std::size_t` is also defined in the following headers:
 - <ctime>
 - <stddef>
 - <stdio>
 - <cuchar> (since C++17)
 - <wchar>

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