

C LIBRARY FUNCTION - WCSTOMBS

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

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Description

The C library function **size_t wcstombs(char * str, const wchar_t * pwcs, size_t n)** converts the wide-character string **pwcs** to a multibyte string starting at **str**. At most **n** bytes are written to **str**.

Declaration

Following is the declaration for wcstombs function.

```
size_t wcstombs(char *str, const wchar_t *pwcs, size_t n)
```

Parameters

- **str** -- This is the pointer to an array of char elements at least n bytes long.
- **pwcs** -- This is wide-character string to be converted.
- **n** -- This is the maximum number of bytes to be written to str.

Return Value

This function returns the number of bytes *notcharacters* converted and written to str, excluding the ending null-character. If an invalid multibyte character is encountered, -1 value is returned.

Example

The following example shows the usage of wcstombs function.

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

#define BUFFER_SIZE 50

int main()
{
    size_t ret;
    char *MB = (char *)malloc( BUFFER_SIZE );
    wchar_t *WC = L"http://www.tutorialspoint.com";

    /* converting wide-character string */
    ret = wcstombs(MB, WC, BUFFER_SIZE);

    printf("Characters converted = %u\n", ret);
    printf("Multibyte character = %s\n\n", MB);

    return(0);
}
```

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

```
Characters converted = 29
Multibyte character = http://www.tutorialspoint.com
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```