NAME

fputwc, putwc − write a wide character to a FILE stream

LIBRARY

Standard C library (*libc*, *−lc*)

SYNOPSIS

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

wint_t fputwc(wchar_t wc, FILE *stream);
wint_t putwc(wchar_t wc, FILE *stream);
```

DESCRIPTION

The **fputwc**() function is the wide-character equivalent of the **fputc**(3) function. It writes the wide character *wc* to *stream*. If*err or(stream)* becomes true, it returns **WEOF**. If a wide-character conversion error occurs, it sets *errno* to **EILSEQ** and returns **WEOF**. Otherwise, it returns*wc*.

The **putwc**() function or macro functions identically to **fputwc**(). It may be implemented as a macro, and may evaluate its argument more than once. There is no reason ever to use it.

For nonlocking counterparts, see **unlocked_stdio**(3).

RETURN VALUE

On success, **fputwc**() function returns *wc*. Otherwise,**WEOF** is returned, and *errno* is set to indicate the error.

ERRORS

Apart from the usual ones, there is

EILSEQ
: Conversion of *wc* to the stream's encoding fails.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
fputwc(), **putwc**()	Thread safety	MT-Safe

STANDARDS

POSIX.1-2001, POSIX.1-2008, C99.

NOTES

The behavior of **fputwc**() depends on the **LC_CTYPE** category of the current locale.

In the absence of additional information passed to the **fopen**(3) call, it is reasonable to expect that **fputwc**() will actually write the multibyte sequence corresponding to the wide character *wc*.

SEE ALSO

fgetwc(3), **fputws**(3), **unlocked_stdio**(3)