NAME
ungetwc − push back a wide character onto a FILE stream

SYNOPSIS
#include <wchar.h>

wint_t ungetwc(wint_t *wc***, FILE ****stream***);**

DESCRIPTION
The **ungetwc**() function is the wide-character equivalent of the **ungetc**(3) function. It pushes back a wide character onto *stream* and returns it.

If *wc* is **WEOF**, it returns **WEOF**. If *wc* is an invalid wide character, it sets *errno* to **EILSEQ** and returns **WEOF**.

If *wc* is a valid wide character, it is pushed back onto the stream and thus becomes available for future wide-character read operations. The file-position indicator is decremented by one or more. The end-of-file indicator is cleared. The backing storage of the file is not affected.

Note: *wc* need not be the last wide-character read from the stream; it can be any other valid wide character.

If the implementation supports multiple push-back operations in a row, the pushed-back wide characters will be read in reverse order; however, only one level of push-back is guaranteed.

RETURN VALUE
The **ungetwc**() function returns *wc* when successful, or **WEOF** upon failure.

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

Interface	Attribute	Value
ungetwc()	Thread safety	MT-Safe

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

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

SEE ALSO
fgetwc(3)

COLOPHON
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