NAME

fgetwc, **getwc**, **getwchar** - get next wide character from input stream

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

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

wint_t
fgetwc(*FILE *stream*);

wint_t
getwc(*FILE *stream*);

wint_t
getwchar(*void*);

DESCRIPTION

The **fgetwc**() function obtains the next input wide character (if present) from the stream pointed at by *stream*, or the next character pushed back on the stream via ungetwc(3).

The **getwc**() function acts essentially identically to **fgetwc**().

The **getwchar**() function is equivalent to **getwc**() with the argument stdin.

RETURN VALUES

If successful, these routines return the next wide character from the *stream*. If the stream is at end-of-file or a read error occurs, the routines return WEOF. The routines feof(3) and ferror(3) must be used to distinguish between end-of-file and error. If an error occurs, the global variable *errno* is set to indicate the error. The end-of-file condition is remembered, even on a terminal, and all subsequent attempts to read will return WEOF until the condition is cleared with clearerr(3).

SEE ALSO

ferror(3), fopen(3), fread(3), getc(3), putwc(3), stdio(3), ungetwc(3)

STANDARDS

The **fgetwc**(), **getwc**() and **getwchar**() functions conform to ISO/IEC 9899:1999 ("ISO C99").

HISTORY

 A version of the **getc**() and **getw**() functions appeared in Version 1 AT&T UNIX.