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.