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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ungetwc.3p' command

$ man ungetwc.3p

UNGETWC(3P) POSIX Programmer's Manual UNGETWC(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

ungetwc ? push wide-character code back into the input stream

SYNOPSIS

```
#include <stdio.h>
#include <wchar.h>
wint_t ungetwc(wint_t wc, FILE *stream);
```

DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The ungetwc() function shall push the character corresponding to the wide-character code specified by wc back onto the input stream pointed to by stream. The pushed-back characters shall be returned by subse? quent reads on that stream in the reverse order of their pushing. A successful intervening call (with the stream pointed to by stream) to a file-positioning function (fseek(), fseeko(), fsetpos(), or rewind())

or fflush() shall discard any pushed-back characters for the stream.

The external storage corresponding to the stream is unchanged.

At least one character of push-back shall be provided. If ungetwc() is called too many times on the same stream without an intervening read or file-positioning operation on that stream, the operation may fail.

If the value of wc equals that of the macro WEOF, the operation shall fail and the input stream shall be left unchanged.

A successful call to ungetwc() shall clear the end-of-file indicator for the stream. The value of the file-position indicator for the stream after all pushed-back characters have been read, or discarded by call? ing fseek(), fseeko(), fsetpos(), or rewind() (but not fflush()), shall be the same as it was before the characters were pushed back. The file-position indicator is decremented (by one or more) by each successful call to ungetwc(); if its value was 0 before a call, its value is un? specified after the call.

RETURN VALUE

Upon successful completion, ungetwc() shall return the wide-character code corresponding to the pushed-back character. Otherwise, it shall return WEOF.

ERRORS

The ungetwc() function may fail if:

EILSEQ An invalid character sequence is detected, or a wide-character code does not correspond to a valid character.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

Section 2.5, Standard I/O Streams, fseek(), fsetpos(), read(), rewind(), setbuf()

The Base Definitions volume of POSIX.1?2017, <stdio.h>, <wchar.h>