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## *Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ungetc.3p' command*

***$ man ungetc.3p***

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

ungetc ? push byte back into input stream

SYNOPSIS

#include <stdio.h>

int ungetc(int c, 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 ungetc() function shall push the byte specified by c (converted to an unsigned char) back onto the input stream pointed to by stream. The pushed-back bytes shall be returned by subsequent 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 bytes for the stream. The external storage correspond?

ing to the stream shall be unchanged.

One byte of push-back shall be provided. If ungetc() is called too many times on the same stream without an intervening read or file-position? ing operation on that stream, the operation may fail.

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

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

## RETURN VALUE

Upon successful completion, ungetc() shall return the byte pushed back after conversion. Otherwise, it shall return EOF.

## ERRORS

No errors are defined.

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(), getc(), fsetpos(), read(), rewind(), setbuf()

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

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