

NAME

ungetc - un-get character from input stream

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <stdio.h>
```

int

```
ungetc(int c, FILE *stream);
```

DESCRIPTION

The **ungetc()** function pushes the character *c* (converted to an unsigned char) back onto the input stream pointed to by *stream*. The pushed-back characters will be returned by subsequent reads on the stream (in reverse order). A successful intervening call, using the same stream, to one of the file positioning functions (**fseek(3)**, **fsetpos(3)**, or **rewind(3)**) will discard the pushed back characters.

One character of push-back is guaranteed, but as long as there is sufficient memory, an effectively infinite amount of pushback is allowed.

If a character is successfully pushed-back, the end-of-file indicator for the stream is cleared. 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 VALUES

The **ungetc()** function returns the character pushed-back after the conversion, or EOF if the operation fails. If the value of the argument *c* character equals EOF, the operation will fail and the stream will remain unchanged.

SEE ALSO

fseek(3), **getc(3)**, **setvbuf(3)**, **ungetwc(3)**

STANDARDS

The **ungetc()** function conforms to ISO/IEC 9899:1990 ("ISO C90").