NAME

rmdir - remove a directory file

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <unistd.h>

int
rmdir(*const char *path*);

DESCRIPTION

The **rmdir**() system call removes a directory file whose name is given by *path*. The directory must not have any entries other than '.' and '..'.

RETURN VALUES

The **rmdir**() function returns the value 0 if successful; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS

The named file is removed unless:

[ENOTDIR]   A component of the path is not a directory.

[ENAMETOOLONG]
                    A component of a pathname exceeded 255 characters, or an entire path name
                    exceeded 1023 characters.

[ENOENT]   The named directory does not exist.

[ELOOP]   Too many symbolic links were encountered in translating the pathname.

[ENOTEMPTY]   The named directory contains files other than '.' and '..' in it.

[EACCES]   Search permission is denied for a component of the path prefix.

[EACCES]   Write permission is denied on the directory containing the link to be removed.

[EPERM]   The directory to be removed has its immutable, undeletable or append-only flag

set, see the chflags(2) manual page for more information.

[EPERM]   The parent directory of the directory to be removed has its immutable or append-only flag set.

[EPERM]   The directory containing the directory to be removed is marked sticky, and neither the containing directory nor the directory to be removed are owned by the effective user ID.

[EINVAL]   The last component of the path is '.' or '..'.

[EBUSY]   The directory to be removed is the mount point for a mounted file system.

[EIO]   An I/O error occurred while deleting the directory entry or deallocating the inode.

[EINTEGRITY]   Corrupted data was detected while reading from the file system.

[EROFS]   The directory entry to be removed resides on a read-only file system.

[EFAULT]   The *path* argument points outside the process's allocated address space.

SEE ALSO
mkdir(2), unlink(2)

HISTORY
The **rmdir**() system call appeared in 4.2BSD.