NAME

pthread_mutex_unlock - unlock a mutex

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

#include <pthread.h>

int

pthread_mutex_unlock(pthread_mutex_t *mutex);

DESCRIPTION

If the current thread holds the lock on *mutex*, then the **pthread_mutex_unlock**() function unlocks *mutex*.

If the argument pointed by the *mutex* is a robust mutex in the inconsistent state, and the call to **pthread_mutex_consistent()** function was not done prior to unlocking, further locking attempts on the mutex *mutex* are denied and locking functions return ENOTRECOVERABLE error.

RETURN VALUES

If successful, **pthread_mutex_unlock()** will return zero, otherwise an error number will be returned to indicate the error.

ERRORS

The **pthread_mutex_unlock()** function will fail if:

[EINVAL] The value specified by *mutex* is invalid.

[EPERM] The current thread does not hold a lock on *mutex*.

SEE ALSO

pthread_mutex_destroy(3), pthread_mutex_init(3), pthread_mutex_lock(3), pthread_mutex_trylock(3)

STANDARDS

The pthread_mutex_unlock() function conforms to ISO/IEC 9945-1:1996 ("POSIX.1").