

NAME

mtx_unlock - unlocks a previously acquired mutex

SYNOPSIS

library "threads"

#include <threads.h>

int

mtx_unlock(*mtx_t* **mtx*);

DESCRIPTION

The function **mtx_unlock**() will unlock a previously acquired mutex *mtx*.

A thread can only unlock a mutex if it has been acquired by that thread before.

If recursive mutex acquisition is enabled and the mutex has been acquired by the same thread multiple times **mtx_unlock**() needs to be called from that thread an equal number of times before any other thread can acquire the mutex.

RETURN VALUES

Upon success **mtx_unlock**() returns *thrd_success*, in the case of an error *thrd_error* will be returned.

SEE ALSO

mtx_init(3) mtx_lock(3) mtx_timedlock(3) mtx_trylock(3) mtx_destroy(3)

HISTORY

The **mtx_unlock**() function first appeared in the C11 standard ISO/IEC 9899:2011.

AUTHORS

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