pthread_cancel

Cancels the execution of a thread. When used, sends a cancellation request to the thread thread. If the cancellation is succesfull it returns zero.

SYNOPSIS

#include<pthread.h>

int pthread_cancel(pthread_t thread);

USAGE

If you use it with pthread_cancel (NULL) the thread will terminate itself.

If you use with with pthread_cancel(pthread_t another_thread) the thread will terminate other thread (if it is cancellable.)

LIBRARY

POSIX thread library: -lpthread

pthread_setcancelstate

Sets whether threa is cancellable or not.

SYNOPSIS

#include<pthread.h>

int pthread_setcancelstate(int state, int *oldstate);

Returns zero if succesful.

USAGE

pthread_setcancelstate(PTHREAD_CANCEL_ENABLE)

pthread_setcancelstate(PTHREAD_CANCEL_DISABLE)

LIBRARY

POSIX thread library: -lpthread

pthread_setcanceltype

Sets whether the thread is asynchronously cancellable or deferred cancellable.

SYNOPSIS

#include<pthread.h>

int pthread_setcancelstate(int state, int *oldstate);

Returns zero if succesful.

USAGE

pthread_setcanceltype(PTHREAD_CANCEL_ASYNCHRONOUS)

pthread_setcanceltype(PTHREAD_CANCEL_DEFERRED)