



Linux Ubuntu 26.04 Manual Pages on command 'sem_destroy.3'

\$ man sem_destroy.3

sem_destroy(3) Library Functions Manual sem_destroy(3)

NAME

sem_destroy - destroy an unnamed semaphore

LIBRARY

POSIX threads library (libpthread, -lpthread)

SYNOPSIS

```
#include <semaphore.h>

int sem_destroy(sem_t *sem);
```

DESCRIPTION

sem_destroy() destroys the unnamed semaphore at the address pointed to by sem.

Only a semaphore that has been initialized by sem_init(3) should be destroyed using sem_destroy().

Destroying a semaphore that other processes or threads are currently blocked on (in sem_wait(3)) produces undefined behavior.

Using a semaphore that has been destroyed produces undefined results, until the semaphore has been reinitialized using sem_init(3).

RETURN VALUE

sem_destroy() returns 0 on success; on error, -1 is returned, and errno is set to indicate the error.

ERRORS

EINVAL sem is not a valid semaphore.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

