NAME

atexit - register a function to be called on exit

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <stdlib.h>

int
atexit(*void (*function)(void)*);

int
atexit_b(*void (^function)(void)*);

DESCRIPTION

The **atexit**() function registers the given *function* to be called at program exit, whether via exit(3) or via return from the program's **main**(). Functions so registered are called in reverse order; no arguments are passed.

These functions must not call **exit**(); if it should be necessary to terminate the process while in such a function, the _exit(2) function should be used. (Alternatively, the function may cause abnormal process termination, for example by calling abort(3).)

At least 32 functions can always be registered, and more are allowed as long as sufficient memory can be allocated.

The **atexit_b**() function behaves identically to **atexit**(), except that it takes a block, rather than a function pointer.

RETURN VALUES

The **atexit**() 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

[ENOMEM]   No memory was available to add the function to the list. The existing list of functions is unmodified.

[ENOSYS]   The **atexit_b**() function was called by a program that did not supply a **_Block_copy**() implementation.

SEE ALSO

at_quick_exit(3), exit(3)

STANDARDS

The **atexit**() function conforms to ISO/IEC 9899:1990 ("ISO C90").