

NAME

alarm – schedule signal after specified time

SYNOPSIS

(alarm = 27.)

(seconds in r0)

sys alarm

alarm(seconds)

int seconds;

DESCRIPTION

Alarm causes signal number 14 to be sent to the invoking process in a number of seconds given by the argument. Unless caught, the signal terminates the process.

Alarm requests are not stacked; successive calls reset the alarm clock. If the argument is 0, any alarm request is cancelled. Because the clock has a 1-second resolution, the signal may occur up to one second early; because of scheduling delays, resumption of execution of when the signal is caught may be delayed an arbitrary amount. The longest specifiable delay time is 65535 seconds. The old value of the alarm clock is returned in r0. In C, that value is returned.

SEE ALSO

pause(II), sleep(III)