NAME

kill — send signal to a process

SYNOPSIS

kill (target, sig);

DESCRIPTION

There are several different cases of *kill*:

kill(target,+sig)

Sends the signal *sig* to the process with process id *target* if the sending process's uid matches the uid of *target*. If the sending process's uid is *root*, the signal is sent unconditionally.

kill(target,−sig)

Sends the signal *sig* to all processes in the process group *target* whose uids match the sending process's uid. If the sending process's uid is *root*, all processes in the process group *target* will receive the signal.

kill(0,+sig)

Sends the signal *sig* to all members of the process group of the sending process whose uids match the uid of the sending process. If the sending process's uid is *root*, all members of the sending process's group receive the signal. Note that the sending process will also receive the signal.

kill(0,−sig)

Sends the signal *sig* to all members of the process group of the sending process whose uids match the sending process's uid - except that the sending process will not receive the signal. If the sending process's uid is *root*, all members of the sending process's process group — except the sending process — will receive the signal.

kill(−1,+sig)

Sends the signal *sig* to all processes whose uids match the sending process's uid. If the sending process's uid is *root*, all processes - except 0 and 1 - will receive the signal.

kill(−1,−sig)

Sends the signal *sig* to all processes whose uids match the sending process's uid — except that the sending process will not receive the signal. If the sending process's uid is *root*, all processes — except 0, 1, and the sender — will receive the signal.

kill(target,0)

Reserved for future expansion.

See *signal*(2) for a list of signals.

SEE ALSO

signal(2), kill(1)

DIAGNOSTICS

The error bit (c-bit) is set if the process does not have the same user ID and the user is not super-user, or if the process does not exist.

ASSEMBLER

(kill = 37.; not in assembler)
(process number in r0)
sys kill; sig