

NAME

reset — execute non-local goto

SYNOPSIS

setexit ()

reset ()

DESCRIPTION

These routines are useful for dealing with errors discovered in a low-level subroutine of a program.

Setexit is typically called just at the start of the main loop of a processing program. It stores certain parameters such as the call point and the stack level.

Reset is typically called after diagnosing an error in some subprocedure called from the main loop. When *reset* is called, it pops the stack appropriately and generates a non-local return from the last call to *setexit*.

It is erroneous, and generally disastrous, to call *reset* unless *setexit* has been called in a routine which is an ancestor of *reset*.

NOTE

These routines have been replaced in the newer libraries with *setjmp(3C)* and *longjmp(3C)*.

BUGS

Only one non-local goto may be set up through this mechanism at a time.