NAME
     deleteln, **wdeleteln**, **insdelln**, **winsdelln**, **insertln**, **winsertln** - delete or insert lines in a *curses* window

SYNOPSIS
     #include <curses.h>

     int deleteln(void);
     int wdeleteln(WINDOW **win***);**

     int insdelln(int *n***);**
     int winsdelln(WINDOW **win***, int** *n***);**

     int insertln(void);
     int winsertln(WINDOW **win***);**

DESCRIPTION
     The **deleteln** and **wdeleteln** routines delete the line under the cursor in the window; all lines below the
     current line are moved up one line. The bottom line of the window is cleared. The cursor position
     does not change.

     The **insdelln** and **winsdelln** routines, for positive *n*, insert *n* lines into the specified window above the
     current line. The *n* bottom lines are lost. For negative *n*, delete *n* lines (starting with the one under the
     cursor), and move the remaining lines up. The bottom *n* lines are cleared. The current cursor position
     remains the same.

     The **insertln** and **winsertln** routines insert a blank line above the current line and the bottom line is lost.

RETURN VALUE
     These routines return the integer **ERR** upon failure and an **OK** (SVr4 specifies only "an integer value
     other than **ERR**") upon successful completion.

     X/Open defines no error conditions. In this implementation, if the window parameter is null, an error
     is returned.

NOTES
     Note that all but **winsdelln** may be macros.

     These routines do not require a hardware line delete or insert feature in the terminal. In fact, they will
     not use hardware line delete/insert unless **idlok(..., TRUE)** has been set on the current window.

PORTABILITY

These functions are described in X/Open Curses, Issue 4. The standard specifies that they return **ERR** on failure, but specifies no error conditions.

SEE ALSO

curses(3X)