tputs()

The `tputs()` function outputs a string to the terminal with proper handling of Padding and Delays.

It interprets termcap-style Padding markers like "$<5>" and ensures the terminal is not overwhelmed with fast updates.

It's usually used in conjunction with:

- "tgetstr()" → To retrieve a control string (e.g. "cl", "cm")
- "tgoto()" → To format cursor control strings

It's defined in the "termcap.h" system header.

```
#include <termcap.h>

// "str" is the string to output
// "affcnt" number of lines affected
// "putc" a function to output a character
int tputs(const char *str, int affcnt, int (*putc)(int));
```

This function calls "putc(c)" for each character it wants to print.

Returns 0 on success, or a non-zero value on failure.

Example Usage

```c
/* includes... */
int main(void)
{
    char term_buffer[2048];
    char *termtype;
    char *area;
    char *ap;
    char *clear;
    char *cm;
    char *move;

    termtype = getenv("TERM");
    if (!termtype || tgetent(term_buffer, termtype) != 1)
    {
        fprintf(stderr, "Could not load terminal type.\n");
        return (1);
    }
    area = malloc(1024);
    ap = area;
    // get string to clear screen
    clear = tgetstr("cl", &ap);
    if (clear)  // output with padding
        tputs(clear, 1, putchar);
    // get cursor motion capability
    cm = tgetstr("cm", &ap);
    if (cm)
    {  // move to column 10, row 5
        move = tgoto(cm, 10, 5);
        tputs(move, 1, putchar);
    }
    free(area);
    return (0);
}
```