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Print Reverse Lines

Code Id	9
Date Updated	3/7/2010
Title	Print reverse lines
Description	

Write a program that reads a series of lines and prints the lines in reverse order. You may assume that there are at most 1000 lines. You may assume that each line has at most 100 characters. You may assume that the last line of input ends with a newline.

For example, if the user types
This
is
a test.
then your program will print
a test.
is
This
in the order shown.

Codes Snippet

```
#include <stdio.h>

char x[1001000];
int xlen = 0;

int y[1001];
int ylen = 0;

int main(void)
{
    char c;
    int i;
    int j;

    y[ylen++] = 0;

    while (scanf("%c",&c) == 1)
        if (xlen < 1001000) {
            x[xlen++] = c;
            if (c == '\n')
                if (ylen < 1001)
                    y[ylen++] = xlen;
        }

    for (i = ylen - 1; i > 0; --i)
        for (j = y[i] - 1; j < y[i]; ++j)
            putchar(x[j]);

    return 0;
}
```

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