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Prints The Integers In The Opposite Order

Code Id 10
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Title Prints the integers in the opposite order
Description

Write a program that reads a list of integers and prints the integers in the opposite order. Do not ask the user in advance how many integers there are. For example, if the input is 3 1 4 1 5, the output will be 5 1 4 1 3 on five lines. You may assume that each integer is between -10000 and 10000. You must use memory. If not enough memory is available, print a message on stderr and exit.

Codes Snippet

```
#include
#include

int main(void)
{
    int *x = 0;
    int xspace = 0;
    int xlen = 0;
    int d;

    while (scanf("%d",&d) == 1) {
        if (xlen == xspace) {
            xspace = xspace * 2 + 1;
            x = realloc(x,xspace * sizeof(int));
            if (!x) {
                fprintf(stderr,"out of memoryn");
                exit(111);
            }
        }
        x[xlen++] = d;
    }

    while (xlen > 0)
        printf("%dn",x[--xlen]);

    exit(0);
}
```

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