Day 7: Arrays

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Problem Submissions Leaderboard Discussions Editorial Tutorial

Objective

Today, we're learning about the *Array* data structure. Check out the Tutorial tab for learning materials and an instructional video!

Task

Given an array, A, of N integers, print A's elements in *reverse* order as a single line of space-separated numbers.

Input Format

The first line contains an integer, N (the size of our array).
The second line contains N space-separated integers describing array A's elements.

Constraints

- $1 \leq N \leq 1000$
- $1 \leq A_i \leq 10000$, where A_i is the i^{th} integer in the array.

Output Format

Print the elements of array A in reverse order as a single line of space-separated numbers.

Sample Input

```
4
1 4 3 2
```

Sample Output

```
2 3 4 1
```

Submissions: 59577
Max Score: 30
Difficulty: Easy

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Current Buffer (saved locally, editable) C

```c
#include <math.h>
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <assert.h>
#include <limits.h>
#include <stdbool.h>

int main(){
    int n;
    scanf("%d",&n);
    int *arr = malloc(sizeof(int) * n);
    for(int arr_i = 0; arr_i < n; arr_i++){
       scanf("%d",&arr[arr_i]);
    }
    for(int arr_i = n-1; arr_i >=0; arr_i--){
       printf("%d ",arr[arr_i]);
    }
```