



Arrays - DS ☆

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An array is a type of data structure that stores elements of the same type in a contiguous block of memory. In an array, A , of size N , each memory location has some unique index, i (where $0 \leq i < N$), that can be referenced as $A[i]$ (you may also see it written as A_i).

Given an array, A , of N integers, print each element in reverse order as a single line of space-separated integers.

Note: If you've already solved our C++ domain's Arrays Introduction challenge, you may want to skip this.

Input Format

The first line contains an integer, N (the number of integers in A).

The second line contains N space-separated integers describing A .

Constraints

- $1 \leq N \leq 10^3$
- $1 \leq A_i \leq 10^4$, where A_i is the i^{th} integer in A

Output Format

Print all N integers in A in reverse order as a single line of space-separated integers.

Sample Input 1

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| | | | |
|---|---|---|---|
| 1 | 4 | 3 | 2 |
|---|---|---|---|

Array: arr

4
1 4 3 2

Sample Output 1

2 3 4 1



Java 8



```
1  import java.io.*;
2  import java.math.*;
3  import java.security.*;
4  import java.text.*;
5  import java.util.*;
6  import java.util.concurrent.*;
7  import java.util.regex.*;
8
9  public class Solution {
10
11      // Complete the reverseArray function below.
12      static int[] reverseArray(int []arr) {
13          final int []res = new int[arr.length];
14          int j = 0;
15          for(int i = arr.length-1; i >= 0; i--) {
16              res[j] = arr[i];
17              j++;
18          }
19          return res;
20      }
21
22      private static final Scanner scanner = new Scanner(System.in);
23
24      public static void main(String[] args) throws IOException {
25          BufferedWriter bufferedWriter = new BufferedWriter(new FileWriter(System.getenv(
26              "OUTPUT_PATH")));
27
28          int arrCount = scanner.nextInt();
29          scanner.skip("(\\r\\n|[\\n\\r\\u2028\\u2029\\u0085])?");
```

Line: 1 Col: 1

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