Practice > Tutorials > 30 Days of Code > Day 7: Arrays

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Objective

Today, we will learn 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.

Example

$A = [1, 2, 3, 4]$

Print 4 3 2 1. Each integer is separated by one space.

Input Format

The first line contains an integer, N (the size of our array).

The second line contains N space-separated integers that describe array A's elements.

Constraints

Constraints

- $1 \leq N \leq 1000$
- $1 \leq A[i] \leq 10000$, where $A[i]$ is the ith 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
```

Change Theme | Java 8   ⌄ | ↺   ⚙

```java
14
15      public static void main(String[] args) {
16          int n = scanner.nextInt();
17          scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
18
19          int[] arr = new int[n];
20
21          String[] arrItems = scanner.nextLine().split(" ");
22          scanner.skip("(\r\n|[\n\r\u2028\u2029\u0085])?");
23
24          for (int i = 0; i < n; i++) {
25              int arrItem = Integer.parseInt(arrItems[i]);
26              arr[i] = arrItem;
27          }
28
29          String aray = "";
30          int len = arr.length;
31          for (int i = len - 1; i >= 0; i--) {
32              aray += arr[i] + " ";
33          }
34          aray = aray.substring(0, aray.length() - 1);
35          System.out.println(aray);
36
37
38          scanner.close();
39      }
40  }
41
```

Line: 7 Col: 26

↑ **Upload Code as File**
☐ **Test against custom input**

Run Code   **Submit Code**

✓ **Test case 0** 🔒

✓ **Test case 1** 🔒

✓ **Test case 2** 🔒

✓ **Test case 3** 🔒

✓ **Test case 4** 🔒

✓ **Test case 5** 🔒

✓ **Test case 6** 🔒

Compiler Message

Success

🔒
Hidden Test Case

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