Insertion Sort

Description   This lab is dedicated to help you understand how you should test and submit your own code. You need to implement the insertion sort algorithm for sorting an array of integers.

Input structure   The input starts with an integer number which indicates the number of elements (integers) to be sorted, n. Then, the elements follow, one per line.

Output structure   Output the numbers in the reverse order. Each number must be immediately followed by a semi-colon. There should be no white character in your output.

Examples of input and output:

Input

```
6
15
13
12
11
16
14
```

Output

```
16;15;14;13;12;11;
```

   You need to submit `yourid.cpp` file containing the solution. For more information see the lab guidelines for submission/grading, etc., which can be found in Files/Labs.