201-A02 Handy Array Library (sorting)

Work to do
Let’s extend the work started in 201-A01 by adding a couple of functions to our handy
pseudo-library and the code for the main function which will test them.

- void intarray_sort (int data[], int size);
  This function sorts the integer array \texttt{data} in ascending order (smallest values
  first).

You will use the simplest sorting algorithm you can come up with on your own. Do not
refer back to the text, the objective of this exercise is to force you to come up with your
own solution, possibly using tidbits of information you remember from your readings

Example(s)
n/a

Hints
- n/a

Testing
Add to the main function in tests.c some code to sort the array you previously scanned
from the user and display and then display it again to be able to assess if it was sorted
correctly. Use a small size array (e.g. 3) to develop a comprehensive test-harness which
will encompass all the possible permutations of order among integers in this array.

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input array</td>
<td>Expected</td>
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