Algorithm for finding second largest number:

**Step 1** − Declare and read the number of elements.

**Step 2** − Declare and read the array size at runtime.

**Step 3** − Input the array elements.

**Step 4** − Arrange numbers in descending order.

**Step 5** − Then, find the second largest and second smallest numbers by using an index.

**Step 6** − Print the second largest and the second smallest numbers.