```
/*
 *      A program which sorts an array.
 */



class BubbleSort {
        public static void main (String[] args) {
                double[] numbers = ArrayUtils.getArray();
                bubbleSort(numbers);
                for (double n : numbers)
                        System.out.print(n + " ");
                System.out.print("\n");
        }
        public static void bubbleSort (double[] arr) {
                for (int left = 0; left < arr.length; left++)
                        for (int i = 1; i < arr.length - left; i++)
                                if (arr[i] < arr[i - 1])
                                        ArrayUtils.swap(arr, i, i - 1);
        }
}



/*
 *      Variable Description :
 *      --------------------------------------------------------------------------------
 *      Serial no. |    Variable name   |     Data type      |        Purpose
 *      ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
 *          1      |    numbers         |     double[]       |  Store the numbers
 *                 |                    |                    |  entered
 *      ----------+------------------+--------------------+------------------------
 *          2      |    left            |     int            |  Counter variable
 *      ----------+------------------+--------------------+------------------------
 *          3      |    i               |     int            |  Counter variable
 *      ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
 */
```