**FOP 2 – Lab 6 Worksheet**

1. Implement all the algorithms described in the lecture as separate methods, and then test them in the main method using various arrays (you can choose the name of the class).
2. Write a program called **DescendingSortingAlgorithms** in which you will write methods to implement the following:

* The bubble sort for an array of double values to sort the array in decreasing order (from largest to smallest);
* The selection sort for an array of double values to sort the array in decreasing order (from largest to smallest);

Test your methods by calling them in the main method.

1. Write a program called **NumericalLinearSeach** in which you will write methods to implement the following:

* Linear search for an array of integers.
* Linear search for an array of doubles.

Test your methods by calling them in the main method.