

Data Structure: Assignment #1

1. Write and test this method:

`int[] withoutDuplicates(int[] a)`

The method returns the specified array after removing all duplicates.

2. Write and test this method:

`Object[] concatenate(Object[] a, Object[] b)`

The method concatenates all of a[] followed by all of b[] and returns an array as a result of the concatenation.

Assignment Problem:

- Run a test program for a class called ManipulateArray that has the ability to manipulate an array of numbers. The class contains the following methods `insertElement (...)`, `deleteElement (...)`; with two constructors, one for creating an empty array and the other can handle an existing array. The array may be sorted or not. Write the class and the test program.