**FOP 2 - Lab 7**

1. Implement the BinarySerachDemo class.
2. To the class *BinarySearchDemo* add an overloaded version of the **binarySearch** method that applies to characters; in the main method declare a char array and test the added method passing that array and a value that exists in the array; repeat the test for a value that does not exist in the array.
3. Write a program that has the following static methods (ensure that you test them by invoking them in the main method):

* A method that takes in a variable length array strings representing names, and prints a greeting to each of those names;
* A method that takes in a variable length array of double values and returns an array containing only the negative values.

1. Write a program that uses the Arrays class to implement the following 2 methods (make sure that you test these methods):

* A method that prints a sorted array of integers;
* A method that takes in an array of chars and a char to search for, then returns a message stating the position of element, for example “Character found at position 3” if the character is the third element in the array; if the character couldn’t be found, it should return a message saying “Character not found!!” (for the second method assume the array is already sorted).