**FOP 2 - LAB 2**

**Part A:** write and compile all the examples and exercises from the lecture.

**Part B:**

1. Write a program that takes 10 names from the user and stores them into an array; the program should then print all those names that have 5 characters or more (HINT: use the variable *length* to find how many elements in an array, and the method *length* to find how many characters in a string).
2. Write a program that contains the following methods and demonstrate how to invoke them:

* a method which returns the minimum value of an array of integer values.
* a method which returns the average of all elements of an array of integer values.

1. Given an array of integers, write enhanced for loops for the following tasks:

* Computing the product of all elements in the array.
* Counting how many elements in the array are negative.

1. Write a program that initializes an array with ten random integers between 1 and 50 inclusive and then prints the following:

* Every element at an even index.
* Only the odd elements.

1. Write a program that prints the elements of each row in a 2D String array in reverse order.

**Make sure that your code is indented and commented appropriately.**

**Save all your exercises, put them into a zip folder with your student number and submit it using the Moodle upload facility for lab 2 by Monday, 2.00 pm.**