

Task 1

In the *labs11.task1* package, create the *KeyboardInput2* class with:

- a static method that reads a user's input (text) from the keyboard, line by line, until the user enters "Q" to quit the process. The method then prints to the screen the overall text (entered by the user) with an appropriate message.

(Note: *java.util.Scanner* class should be used to implement all the methods in the *KeyboardInput2* class)

In the same package, create the *TestKeyboardInput2* class. In its *main* method call the method, of the *KeyboardInput2* class, for reading a string from the keyboard.

Add the following methods to the *KeyboardInput2* class:

- A static method that reads 5 decimal numbers from the keyboard, one by one, and prints on the console the sum of squares of the read numbers.
- A static method that reads integer values from the keyboard, one by one, until a value different than integer value is read (e.g., a letter or a special character); the method prints (to the console) the max integer value read from the keyboard.

Test all the methods within the *TestKeyboardInput2* class.

Task 2

In the *labs11.task2* package, create the *FileIO* class with the following elements:

- A public method that reads text from the file "text.txt" and prints that text to the console.
- A public method that receives two strings as its input parameters, and writes them to the file "text2.txt" (each string in a separate row).
- A public method that writes the following numbers: 45,56,67,78 in the file "numbers.out"; each number should be written in a separate row.
- A public method that reads all numbers from the "numbers.out" file and prints their sum to the screen (pay attention to the fact that each number is in a separate row).

Create the *TestFileIO* class in the *labs11.assignment2* package. In the main method of this class, create an object of the *FileIO* class and call its methods.