Tutorial 1 Java File IO Revision

This exercise is for you to practice on File IO. Make full use of the information found in the Java API specification website http://docs.oracle.com/javase/6/docs/api/index.html?overview-summary.html to know how to use the classes and methods correctly. It is assumed that you have installed the latest version of drjava on your pc.

The Problem

You are required to write a program, or the class called DoubleSpace to double-space each of the files that are specified on the command line and the resulting files are placed in files that have .ds extension.

For example,
java DoubleSpace a.txt b.txt

with file a.txt containing 3 lines

a: line 1
a: line 2
a: line 3

and file b.txt containing 4 lines

b: line 1
b: line 2
b: line 3
b: line 4

The lines in the input files are all single-spaced.
The output consists of 2 files, a.txt.ds and b.txt.ds
with file a.txt.ds contains the following lines:

a: line 1

a: line 2

a: line 3

Note that there is a blank line after the last line.

file b.txt.ds contains the following lines:

b: line 1

b: line 2

b: line 3

b: line 4

Program Development

Transfer the files given in the skeleton subfolder to the solution folder and develop into a complete program.

Note that you have to find out (from the Java API website?) how to create a Scanner object for reading from a file and a PrintWriter object for output to a file given a file name string. The command line arguments are accessible from the argument array args of the function

```
public static void main( String [ ] args )
```

For tutorial exercise, when you are asked to write a program, you are only required to implement a simple main() function to show the working of the classes or functions implemented with test data embedded in the program. You do not need to provide the testharness.txt file, the input test data files and output files are not required to be organized into the in folder and out folder. The solution folder will contain all files needed.

Submission

Zip the solution folder and name it ***Tut01g<YourTutGroupNo><YourMatricNo>.zip***. Submit the zip file into the correct folder in your tutorial group's workbin.