

Assignment 1



Dynamic Web site, without using Web Languages

Assignment 1 – part 1

Modify the simple web server so that all the URLs that start with the token "process " (e.g. <http://localhost:8000/process>) launch an external process.

<http://localhost:8000/process/reverse?par1=string> should activate an (**external**) process that takes the parameter string. and returns the reversed string (e.g. ROMA -> AMOR).

Suggestions:

To see how to start an external process from Java, take a look at one of these:

- <http://www.rgagnon.com/javadetails/java-0014.html>
- <https://www.mkyong.com/java/how-to-execute-shell-command-from-java/>
- <https://www.baeldung.com/run-shell-command-in-java>

To split a string into tokens, and to reverse a string see:

- <https://www.javatpoint.com/how-to-reverse-string-in-java>
- <https://www.javatpoint.com/string-tokenizer-in-java>



Assignment 1 – part 2

Install and run an Apache WebServer

Create a script that launches the java program defined in part 1.

Suggestion:

- write a .sh or a .bat (depending on what platform you're on) that:
 - retrieves the parameters
 - launches the java program "prog" as
java prog params



Delivery

Deliver the (zipped) IntelliJ project of Part 1

Deliver a report using the following structure:

Title Page containing date, title, your name

For each of the two parts:

Section x:

x.1 Introduction (problem statement, description of the domain)

x.2 Short description of what you did

x.3 screen shots of your app running, documenting the various steps

x.4 Comments and notes (optional: any problems encountered during project development, any other comment)

References (if any)

Delivery has to be done by Oct.3, 23:59 on

<https://didatticaonline.unitn.it/dol/mod/publication/view.php?id=997920>

