README, jshell.java

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jshell.java is a Java implementation of a Linux shell.

In Linux, compile and execute as:

1. javac jshell.java
2. java jshell

Upon entering a command at the command line, jshell will execute the command using the Java Runtime.exec. New commands will execute as a child process, pausing new input into jshell until they are completed.

Processes can be run in the background by appending an ampersand (&) character to the end of the command.

Multiple commands can be entered on the command line using a semicolon ( ; ) delimiter between each.

Pipe ( | ) and file redirect (< , >) work in jshell.

Entering the command ‘history’ will print the last ten or fewer commands executed in jshell.

Enter EXIT to exit jshell.

**KNOWN PROBLEMS:**

jshell will throw exceptions for the following commands:

* ‘bash’
* ‘cd’

The implementation of the pipe command is non-ideal. Many attempts were made. As of this writing, the output of the first process is successfully created, executed and its output is captured to a temporary file. The second process is created, passing the temporary file of output from the first process as input. Unfortunately, the output of the second process could not be retrieved from the BufferedReader object for unknown reasons.