eScience {academy}

Software Carpentry 14-17 April, 2020

Day 1

Code of Conduct

Participants are expected to follow our code of conduct:
https://docs.carpentries.org/topic_folders/policies/code-of-conduct.html

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This Document:

https://tinyurl.com/ea-2020-1

Master Document:

https://edu.nl/tcyt9

Workshop website:

https://escience-academy.github.io/2020-04-14-SWC-online/

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Agenda: Schedule on the workshop website👨

09:00 Welcome, coffee, tea, testing setup and pre-workshop survey

09:30 Automating tasks with the Unix shell

11:00 Morning break

11:30 Automating tasks with the Unix shell (continued)

12:30 Wrap-up

Contents:

Command history (experimental)

Link to the files:
data-shell.zip

Exercise 1.

list the files and folders in `./data-shell/data` according to the time/date they were last used
Alessia: amino-acids.txt is the last > ls -c -l
bruna: ls -t
Banafsheh : ls -halt
Julien: ls -S -t or ls -halt
Terezinha: ls - t -l
Michela: ls -lt

Exercise 2.

What command will you use to print out the number of lines in each file in the data-shell/data directory? Create a new file lines.txt that will contain the line numbers per each file.

bruna: wc -l *.txt >lines.txt

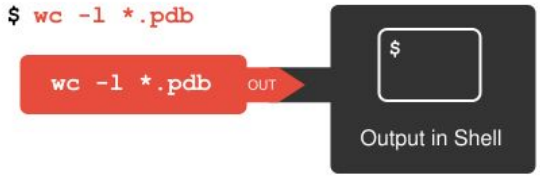
Banafsheh : wc -l *.txt > n-line.txt
Alessia: wc -l *.txt > lines.txt
baharak: wc *.txt>info.txt
Marco: wc *.txt > file

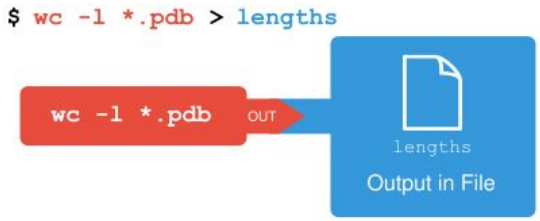
Michela wc -l *.txt > ex2.txt

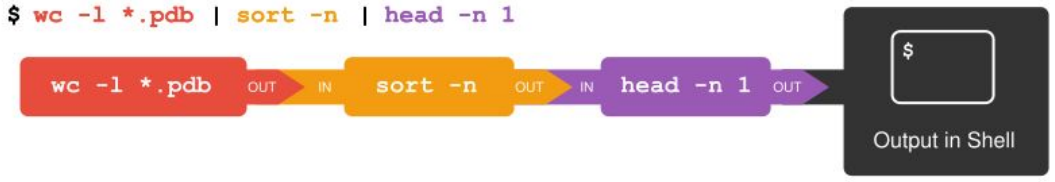
Hossein: `wc -l *.txt`

Terezinha wc -l *.txt | sort -r

Pipes and redirections:







Exercise

Exercise

Exercise

Feedback

Good: That was useful and thank you for your time.

Good: Well organized material

To improve: pace is slightly slow

Good: better than expected online setting, sufficiently interactive

Good: there is a good interaction with the different exercises

Good: nice to have some exercises. It might be also nice to give some homework
Good: the pace for me was perfect! It was very useful that Faruk was verbally communicating the commands while writing them
Suggestions: - more structured instruction sessions, - explain the dataset at the beginning of the session, - ctrl+C to quit the instruction on the shell it is a useful thing to learn at the beginning ;-)
Good: good pace I didn't think it was too slow. Clear voice and explanation.

Suggestions:
-scroll down/up in the command line, so that the command you are typing appears higher in the shared screen, since sometimes Zoom buttons cover the lower part of the shared screen.
-easier/simpler instructions for posting a question/suggestion during class (e.g. just post a question in the chat) instead of raising hand + adding to google doc, etc

- buy a microphone (I thought that the voice sounded a bit metallic, but it might also because of the quality of the speaker on my laptop)

-would it be possible to make available in the document a few examples of the scripts?

Very informative and well explained, although I was already familiar with most commands introduced during this first session. The consequence of it is that the pace appeared very slow to me. However, I don't think this is something you should change since some people are really new to it, and it takes time to understand and learn shell.