

Shell: Advanced

Look at files

1. atom colors/yellow.md
2. cat
3. head
4. tail

How to get only the first real paragraph?

-> Combine them through pipes

1. head -n 12 colors/yellow.mp3
2. head -n 11 colors/yellow.mp3 | tail -n 7
3. head -n 11 colors/yellow.mp3 | tail -n 7 > colors/yellow-paragraph.md

How to sort and filter lines in files?

Note: only deletes sequential lines

1. cat glaciers.txt
2. uniq glaciers.txt
3. sort glaciers.txt
4. uniq glaciers.txt | sort
5. sort glaciers.txt | uniq > glaciers-unique.txt

pandoc

1. pandoc animals/rhino.md -o animals/rhino.pdf
2. pandoc animals/rhino.md -o animals/rhino.html

How to automate things (little shell scripts)

1. atom sort-uniq.sh
2. sort "\$1.txt" | uniq >> "\$1-su.txt"
3. bash sort-uniq glaciers.txt

two inputs version

sort "\$1" | uniq >> "\$2"

What have we learned?

- **pandoc input -o output:** Easily convert markdown into pdf or html (and many more)
- **bash shell-script arguments:** Execute a shell-script

Exercise: Small automatisation

1. Go into the `animals` folder
2. Open a shell-script called `make-pdf.sh` with atom
3. We want to automate the pandoc pdf creation from before
 - The script takes one argument, the input filename without the fileending, e.g. `rhino`
 - from `rhino.md` it creates `rhino.pdf`
4. Go into the `animals` folder and try what happens if you type `bash make-pdf.sh rhino`
5. delete `rhino.pdf`
6. What happens if you type `bash make-pdf.sh {rhino, lion}`?
7. Do have an idea what the problem could be? Discuss with your partner.

Rest see solutions