UNIX oneliners

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Does everyone have the git?

Basic commands to know

СР	Copy file A to B	ср А В	
mv	Move file	mv A B	
echo	Print Content	echo "Hello"	
cat	Print file	cat A	
cut	Show columns	cut -f 1,5 A	
less	Show file	less A	
sort	Sort a file on columns	sort A	
unia	Make rows in a file unique	unia A	

Please go to the git folder and move to "unix_oneliner/data" and test all commands on "playgroundata.tsv"

Whats a oneliner?

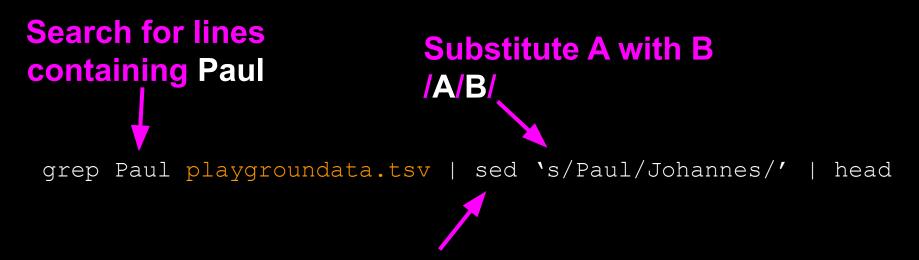
Chaining commands

```
Pipe Redirect

cat playgroundata.tsv | sort -k 1 | cut -f 1,2 > reduced.tsv
```

pipe to command redirect to file >> append to a file add to file but also pipe tee to the next command

Advanced commands



For each line in the file

If column 1 (\$1) equals BTM

Lets try it.

Fetch all the entries of the session BTM, where people were present.

Then sort it alphabetically using the names and print out the 4th column.

In doubt: Search the internet or ask me

cat playgroundata.tsv | awk '{if(\$1 == "BTM" && \$3) \

{print \$0}}' | sort -k 2 | cut -f 4

Story time

```
$ wc -1 */hits.tsv | sort -r -n | grep " 1 " | sed 's/ 1
/,/g' | cut -f 2 -d, | sed 's/hmmer/,/' | cut -f 1 -d , |
xargs rm -r
```

Story time

```
64931 GCA_000003985.2/hits.tsv
23$08766FA0009993685.24/hit.$4$V
27978566FA0009098855.Akhitsts
16028156AA0009869685314htissesv
26485166AA0049642395174htissesv
192866683999149475.34hits.tsv
4-dCF_000885535.1/hits.tsv
13005700008009149895.14vits.tsv
2662-960000075994549its.tsv
1202A8002039999599Hfs.tsv
1106A166A09999551A066.26bits.tsv
160A4001699995549365.16Vits.tsv
1356A466665948551/46536bits.tsv
1200A200092000551/h76s.160its.tsv
3156A3066A1209$51/2965.14hits.tsv
170631 GCA_000151525.1/hits.tsv
```