Bash / Shell

`<command> &`	start and background
`<command> &&`	start and wait for success
>	write to new file (file reset is first operation)
>>	append to existing file
|	pipe output
`diff`	show differences

Headline

`tar -tvf`	List with details
`tar czf data.tar.gz <folder/files>`	compress file
`tar -cjf archive.tar.bz2 <folder/files>`	compress with bzip2
`tar -xzf data.tar.gz`	decompress file
`tar -rvf archive.tar newfile`	append to file

Terminal Shortcuts

CTRL

+a	Go to beginning of commandline
+e	Go to end of command line
+u	Delete to line begin
+k	Delete to line end
+c	kill current process
+z	put current process in background

Background processes

`jobs`	list jobs
`fg %#`	move to foreground
bg	continue in background
`kill %#` or `kill <pid>`	kill process
`kill -9 ..`	terminate

Filtering

`grep`	Find strings in files
`sort`	Sort file
`sort | uniq`, `sort -u`	Sort & remove duplicates
wc	word count
awk	don't ask

`sed`	replace characters in file
`jq`, `jq .`	filter json

Search

Others

`echo 'ABC=' | base64 -d`	decode base64
`md5sum <file>`, `sha256sum <file>`	create checksum
visidata	search tabular/log files

Visidata

Log analysis

<source bash> sudo awk '{print $1“ “$2” “$3, $4, $5, substr($0, index($0,$6))}' /var/log/auth.log | jq -R -c 'split(” ”) | {timestamp: (.[0]+“ ”+.[1]+“ ”+.[2]), hostname: .[3], process: .[4], message: .[5:] | join(“ ”)}' > auth.json </source>