

# Linux/shell crash course

Script for demonstration of the most noteworthy features

Step	What/subject	Notes
1	Windows terminal	Panes w. multi shells, tabs, setup, colors etc, Copy/paste alt-shift+ alt-shift--
2	man	man man
3	Common commands	cd rm(-rf) mkdir ls which less cat find (with man lookups)
4	Command completion	
5	Command history & search	^~r (in git bash), ^~r fzf demo
6	File system owners & permissions	Groups, group file chmod
7	sudo, what & why, making yourself root	apt install <something>
8	Early start on shell scripting	Create a script <i>script1.sh</i> with micro micro <i>script1.sh</i> that contains this: #!/usr/bin/sh echo \$MYVAR chmod +x <i>script1.sh</i> run <i>script1.sh</i> MYVAR="This is fun!" run <i>script1.sh</i> export MYVAR run <i>script1.sh</i> export -n
9	Pipes and stdin/stdout/stderr	Append/write to a file, pipes Redirect stderr 2> apt install zip w./wo. stderr redirect apt install zip > result 2> errors
10	Shell power demo a) mkdir numfun b) cd numfun c) get file random_2000_from1000_to1800.txt	less random_2000_from1000_to1800.txt man sort sort randomfile   less man uniq // count sort randomfile   uniq -c   less // unique sort randomfile   uniq -u   less // no duplicates sort randomfile   uniq   less // file with no duplicates sort randomfile   uniq > noduplicates.txt