

```
ls
-ah      all / readable
-S       sort SIZE
-t       sort TIME
-X       sort EXTENSION
-r       reverse
.*txt    txt
```

```
cd
```

```
echo
-n       no newline
-e       \t \n
```

```
mv
```

```
mkdir / rmdir
```

```
misc
\a       alert (BEL)
\b       backspace
\n       new line
\r       carriage return
\t       tab
```

BASICS

```
'command'
command > /dev/null
```

```
wc
```

CMD

```
func() {
..
}
```

```
df / du
```

```
mount / umount
```

```
compression
```

```
compress / uncompress
```

```
gunzip / gzip
```

```
zip / unzip / gzip
```

```
telnet / ssh
```

```
scp / ftp / sftp
```

```
cp
```

```
cat
```

```
grep
```

```
-v       doesn't match
-n       line number
-c       count matching lines
-i       case insensitive
```

```
touch / rm
```

```
find
```

```
sed
```

```
/pattern/action
```

```
action
```

```
Xp       prints line
Xd       deletes line X
sed '1, 5d'  leave out 1-5
5!d      complement delete
s/p1/p2/flag substitutes
flag
g         all matches
p         print pattern space
```

sed (cont)

NUMBER	only nth match
i	case insensitive
-n	line number
sed -e 's/^[[:digit:]]*[:digit:]]*[:digit:]]*/(&)/g'	
\1 \2	

awk

sort

-n	numerically
-r	reverse
-f	case insensitive
+X	ignore first X fields

ps / top / htop

UID	
PID	
PPID	
C	CPU Utilization
STIME	
TTY	
TIME	CPU Time
CMD	Starting CMD

kill

ping / finger

file

BASH

\$date	
read INPUT	
readonly INPUT	
echo \$INPUT	
unset INPUT	delete variable
\$\$	PID
\$0	script name
\$N	script arguments
\$#	number of arguments
\$* / @\$	all the arguments (all / individually quoted)
\$?	exit status of last executed cmd
\$!	PID of the last background cmd
for X in \$*	

whereis / which

more / less

cal

uname / whoami / users / who

shutdown

poweroff	
shutdown -h [now HH:MM]	
reboot	
-f -v	force verbose

