grep, sed, awk

**grep/egrep/fgrep**

-i (ignore\_case); -e (regexp); -v (invert); -o (only\_match); -n (line\_number); --color; -A (after\_context); -B (before\_context); -C (context)

**sed**

sed ‘[addr]cmd; [addr],[addr]cmd; [addr],[addr]{cmd; cmd}’ file

sed ‘[addr]!cmd; [addr],[addr]!cmd; [addr],[addr]!{cmd; cmd}’ file

1.address-> /Regexp/ | Line-Num

2.command->

***replace***: [addr]s/pattern/replacement/flags #replacement(&|\n) , flags(n|g|p|w)

***delete***: [addr]d

***add***: [addr]a\text

***insert***: [addr]i\text

***change***: [addr]c\text

***list***: [addr]l

***translate***: [addr]y/abc/ABC/

***print***: [addr]p #need ”-n” parameter

***line\_num print***: [addr]=

***next***: [addr]n

***read\_file***: [addr]r file\_name

***write\_file***: [addr]w file\_name

***exit***: [addr]q

3.parameter-> “-i”

**awk**

FS, OFS, RS, ORS, NF, NR, $n

awk -F‘x’ 'function name(param-list) {statements} BEGIN {action} /pattern/|expression {action} END {action}’

awk -v var=value -f func.awk -e/--source ‘script’

awk ‘xx’$var’yy’