Curs 3 — Sisteme
de operare

less   /etc/passwd

grep   'and/gr2/2/' /etc/passwd | awk -F: '{print $1; print $2}
       | less

awk -F: '{print $5}' /etc/passwd

uniq — elimină duplicate din lista sortată
    -c = linii unice cu de câte ori se repetă

uniq   -c <<
vim   .   tr '[A-Z]' '[a-z]'

awk -F: '{print $5}' /etc/passwd | sed "s/ /\n/g"

    | sed "s///"   ABCDE...Z | sed "s/[^]*//"
                    a b c...z

awk -f: '{print $5}' /etc/passwd | sed "s/ /\n/g" | tr '[A-Z]' '[a-z]'
       | grep -v "\.\." | sort | uniq -c | sort -m -r |
                                                          head -n 10
            \a$
          → biiti
        | [^a]$ → fete

head/tail

```
if test -f a.txt; then

if [ -f    a.txt ]; then

if  [ "$A" == "abc" ]; then

if [ !   "$A == "abc" ]; then
```

→ procesele din sistem

```
ps → din sesiunea curenta           ps -o pid, etime   64990

ps -e    → toate procesele din sistem

ps -e -f → toate procesele (-f = full)

PiD = process id
+ proces parinte

ps -ef | awk '{ print $1, $23}' | tail -u 1 | awk '{ print $23}' |

       awk -F: '{ print ($1*60+$2) }'

grep   ^brin 2249  /etc/passwd

grep "^ brir2249:"   /etc/passwd  | awk -F: '{ print 63}'

              | grep -g "/ses /"

echo $?

0 → True
```

┌─────────┐
│ man kill │
└─────────┘

```
kill -9 pid → nu poate fi redirectat

vi stop-old.sh
#! /bin /bash -x (debug)         → tain -m +2 |

ps -ef | awk '{ print $1, $23}'
```

┌───┐
│ for X in `ps -ef | awk '{ print $1 "," $23}'`; do   │
│   U=`echo $X | cut -d, -f1`   │
│   P=`echo $X | cut -d, -f2`   │
│ done echo "$U $p"   │
└───┘

UNIX   \n   - to
WIN   \n \m   - 13 to
MAC OS \n   - 13
```

②

```
chmod 700  stop-old.sh

                              grep -v "^root" |
  for X in `ps -ef | awk '{print $ tail -n +2 | awk
        '{print $1 ";" $2 3'`; do
      U=`echo $X | cut -d , -f1`
      P=`echo $X | cut -d, -f2`
      A = `ps -o pid, etime $P | tail -n 1 |awk '{print $2' | awk
          -F: '{print ( $1 *60+$2)}'`
      if [ $A -ge $1 ]; then
            echo "kill -g $U $P" $A"
      if   grep "^$U:" /etc/passwd | awk -F: '{print $ $63' | awk
      fi
                          grep -q "/scs/\"; then

      fi

done
```