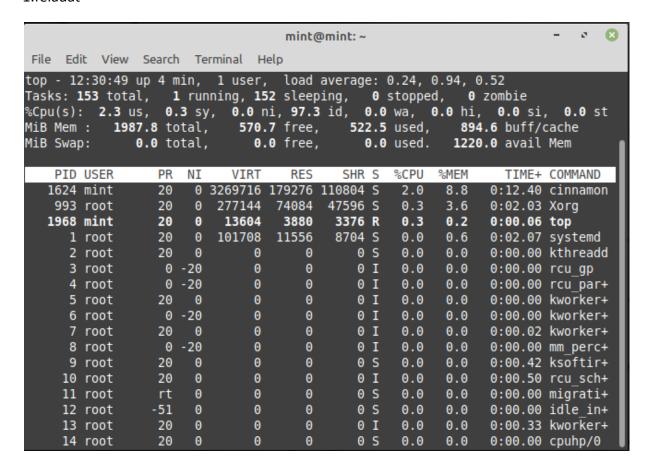
3B. Gyakorlat

1.feladat



2.feladat

```
mint@mint:~$ vmstat
procs -----memory------swap-- ---io---- system-- ----cpu----
r b swpd free buff cache si so bi bo in cs us sy id wa st
2 0 0 583340 155876 760400 0 0 1064 0 166 681 15 7 76 1 0
mint@mint:~$
```

3.feladat

4.feladat

```
mint@mint:~$ uname
Linux
mint@mint:~$
```

5.feladat

```
mint@mint:~$ ps
                    TIME CMD
    PID TTY
                 00:00:00 bash
   1957 pts/0
   1988 pts/0 00:00:00 ps
mint@mint:~$ ps -A
    PID TTY
                     TIME CMD
                00:00:02 systemd
00:00:00 kthreadd
      1 ?
      2 ?
      3 ?
                00:00:00 rcu_gp
      4 ?
                00:00:00 rcu par gp
      6 ?
                 00:00:00 kworker/0:0H-kblockd
                00:00:00 kworker/u2:0-events unbound
```

6.feladat

```
mint@mint:~$ free
                                 free
                                          shared buff/cache
                                                            available
           total
                     used
                     526588
                                592400
                                           88384
                                                    916544
          2035532
                                                              1257836
Swap:
              Θ
                      0
                                    Θ
mint@mint:~$
```

7.feladat

```
mint@mint:~$ iostat
                                              (1 CPU)
Linux 5.4.0-58-generic (mint) 03/01/21 __x86_64_
avg-cpu: %user
              %nice %system %iowait %steal
                                       %idle
               tps kB read/s
                              kB wrtn/s kB dscd/s
Device
                                                   kB read
                                                            kB w
rtn kB dscd
                      224.34
            222.88
                      5.15
                                                    4412
             7.82 327.44
                                            0.00 280394
mint@mint:~$
```

8.feladat

```
mint@mint:~$ sar
Cannot open /var/log/sysstat/sa01: No such file or directory
Please check if data collecting is enabled
mint@mint:~$
```

9.feladat

10.feladat

```
pmap [options] PID [PID ...]
Options:
                            show details
-x, --extended
                            show even more details
 - X
           WARNING: format changes according to /proc/PID/smaps
 -XX
                            show everything the kernel provides
 -c, --read-rc
                           read the default rc
 -C, --read-rc-from=<file> read the rc from file
 -n, --create-rc
                           create new default rc
 -N, --create-rc-to=<file> create new rc to file
           NOTE: pid arguments are not allowed with -n, -N
 -d, --device
                            show the device format
                            do not display header and footer
 -q, --quiet
 -p, --show-path
                           show path in the mapping
 -A, --range=<low>[,<high>] limit results to the given range
               display this help and exit
 -V, --version output version information and exit
For more details see pmap(1).
mint@mint:~$ pmap -n
pmap: ~/.pmaprc file successfully created, feel free to edit the content
mint@mint:~$
```