

Homework 4.11
by Alexander Krupskiy

```
ak@Ameron-W10:/mnt/c/Users/Ameron$ find /usr -type f -size +20M -printf "%p\t%s\n"
/usr/lib/x86_64-linux-gnu/libLLVM-9.so.1          69318440
/usr/lib/x86_64-linux-gnu/libcudata.so.60.2      26904112
ak@Ameron-W10:/mnt/c/Users/Ameron$
```

```
ak@Ameron-W10:/mnt/d/Work/EPAM/EPMHW15/scripts$ ./script_4.11.2.sh
User's homedir
<ak>
contains ordinary files:
27659
hidden files:
546
ak@Ameron-W10:/mnt/d/Work/EPAM/EPMHW15/scripts$
```

```
ak@srv-docker:~$ ./script_4.11.3.sh
09-05-2020 16:41:53
Registered users:
ak      pts/0
ak      pts/1
UPTIME: 3 weeks, 6 days, 42 minutes
ak@srv-docker:~$
```

```
ak@srv-docker:~$ ./script_4.11.4.sh
Number of processes for user:
<ak>
10
Number of processes for root user:
216
ak@srv-docker:~$
```

```
ak@srv-docker:~$ ps --sort -rss ax -o "pid,%cpu,%mem,rss,vsize,cmd" | head -n 6
  PID %CPU %MEM    RSS   VSZ CMD
  97910  0.0 16.6 667968 1492328 unicorn worker[2] -D -E production -c
/var/opt/gitlab/gitlab-rails/etc/unicorn.rb
/opt/gitlab/embedded/service/gitlab-rails/config.ru
  97900  0.0 16.0 646168 1494404 unicorn worker[0] -D -E production -c
/var/opt/gitlab/gitlab-rails/etc/unicorn.rb
/opt/gitlab/embedded/service/gitlab-rails/config.ru
  93145  1.7 15.7 632688 1558424 sidekiq 5.2.7 gitlab-rails [0 of 25 busy]
  97905  0.0 15.5 622756 1492212 unicorn worker[1] -D -E production -c
/var/opt/gitlab/gitlab-rails/etc/unicorn.rb
/opt/gitlab/embedded/service/gitlab-rails/config.ru
  93175  0.0 10.5 423992 1223448 unicorn master -D -E production -c
/var/opt/gitlab/gitlab-rails/etc/unicorn.rb
/opt/gitlab/embedded/service/gitlab-rails/config.ru
ak@srv-docker:~$
```

```
ak@srv-docker:~$ ./script_4.11.6.sh host /etc/hosts 8
1      127.0.0.1          localhost.localdomain  localhost
2      ::1               localhost6.localdomain6 localhost6
3      ::1               localhost ip6-localhost ip6-loopback
```

```
4      ff02::3 ip6-allhosts
5      # The following lines are desirable for IPv6 capable hosts
ak@srv-docker:~$ alias mg='/home/ak/script_4.11.6.sh'
ak@srv-docker:~$ mg
Script usage: /home/ak/script_4.11.6.sh <text_for_search> <file> <num_of_rows_to_output>
ak@srv-docker:~$ mg host /etc/hosts 4
1      127.0.0.1      localhost.localdomain  localhost
2      ::1           localhost6.localdomain6 localhost6
3      ::1           localhost ip6-localhost ip6-loopback
4      ff02::3 ip6-allhosts
ak@srv-docker:~$
```

```
ak@srv-docker:~$ set -r
ak@srv-docker:~$ mg
-bash: /home/ak/script_4.11.6.sh: restricted: cannot specify '/' in command names
ak@srv-docker:~$ script_4.11.6.sh
-bash: /usr/lib/command-not-found: restricted: cannot specify '/' in command names
ak@srv-docker:~$ script_4.11.6.sh host /etc/hosts 3
-bash: /usr/lib/command-not-found: restricted: cannot specify '/' in command names
ak@srv-docker:~$ script_4.11.6.sh host hosts 3
-bash: /usr/lib/command-not-found: restricted: cannot specify '/' in command names
ak@srv-docker:~$ script_4.11.6.sh host ./hosts 3
-bash: /usr/lib/command-not-found: restricted: cannot specify '/' in command names
ak@srv-docker:~$ cat ./hosts
127.0.0.1      localhost.localdomain  localhost
::1           localhost6.localdomain6 localhost6
192.168.100.2  gitlab.devops-demo.pp.ua gitlab
192.168.100.2  registry.devops-demo.pp.ua registry

# The following lines are desirable for IPv6 capable hosts
::1          localhost ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
ff02::3 ip6-allhosts
ak@srv-docker:~$
```