

# **Számítógép architektúrák**

**BSc**

**2. Gyak.**

**2023. 10. 04.**

**Készítette:**

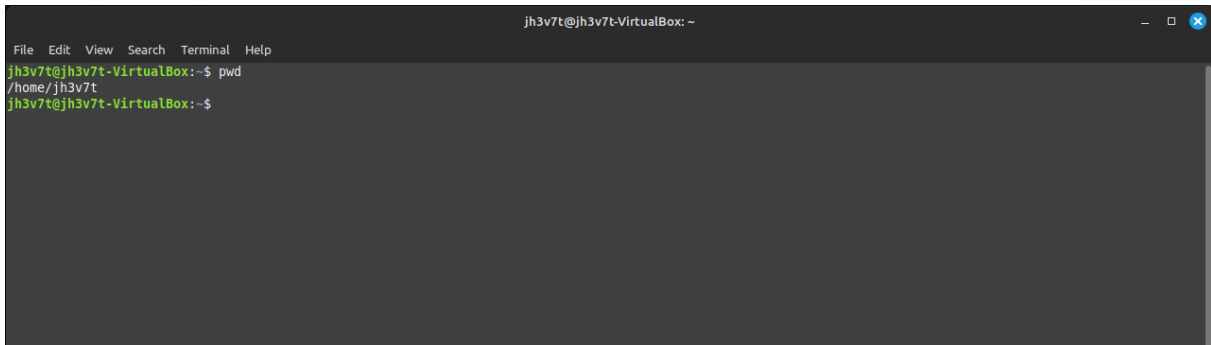
Erdélyi Péter

GE-BP1

JH3V7T

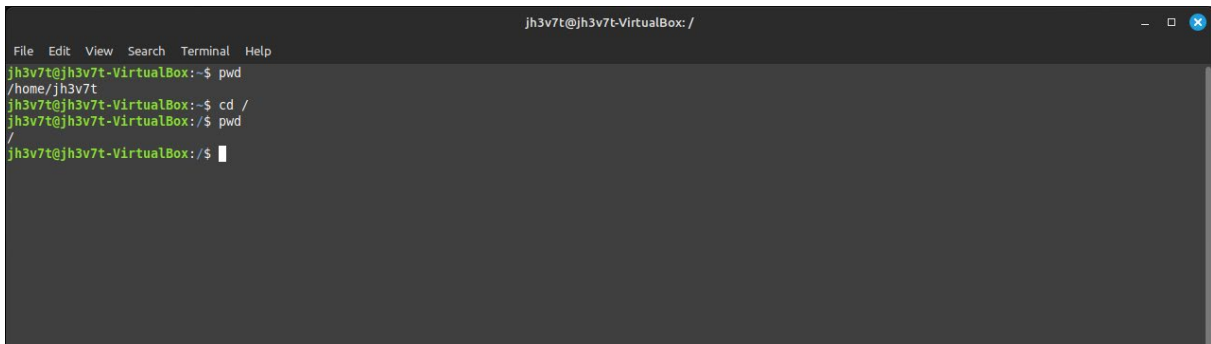
**Miskolc, 2023**

## I. feladat 1. – Melyik az aktuális jegyzék?



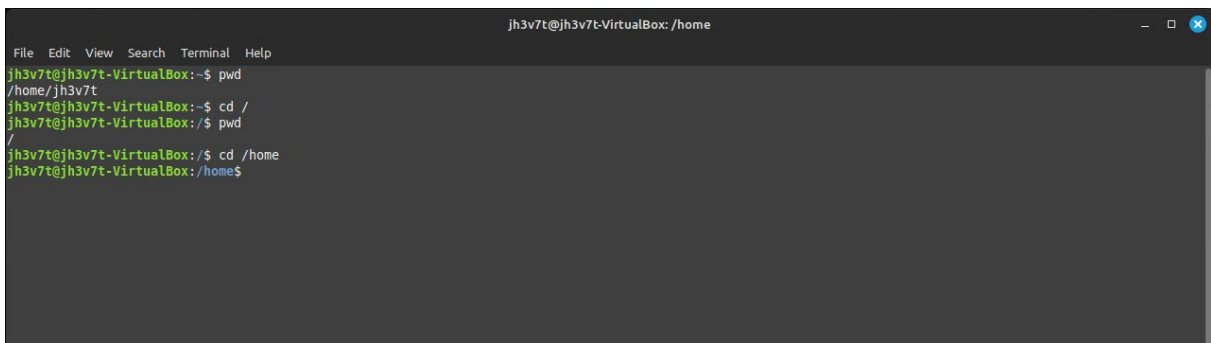
```
jh3v7t@jh3v7t-VirtualBox: ~  
File Edit View Search Terminal Help  
jh3v7t@jh3v7t-VirtualBox:~$ pwd  
/home/jh3v7t  
jh3v7t@jh3v7t-VirtualBox:~$
```

## I. feladat 2. – Lépjen a gyökérjegyzékbe!



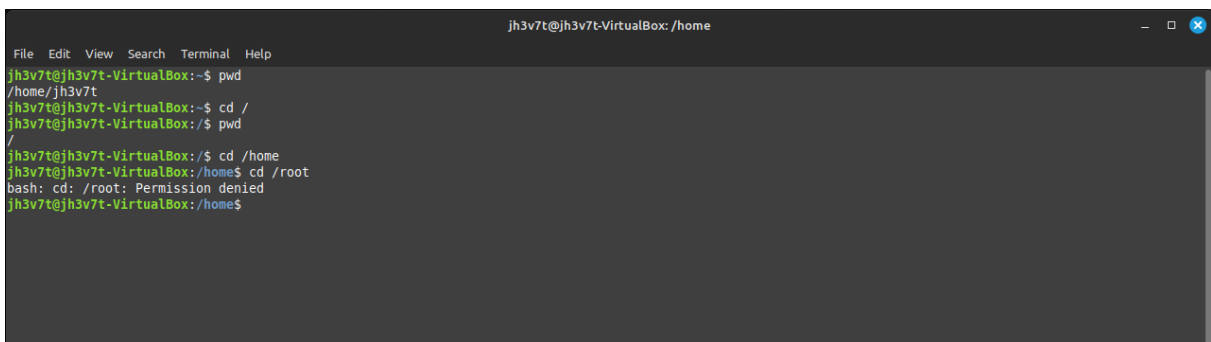
```
jh3v7t@jh3v7t-VirtualBox: /  
File Edit View Search Terminal Help  
jh3v7t@jh3v7t-VirtualBox:~$ pwd  
/home/jh3v7t  
jh3v7t@jh3v7t-VirtualBox:~$ cd /  
jh3v7t@jh3v7t-VirtualBox:/$ pwd  
/  
jh3v7t@jh3v7t-VirtualBox:/$
```

## I. feladat 3. – Lépjen a saját home jegyzékébe!



```
jh3v7t@jh3v7t-VirtualBox: /home  
File Edit View Search Terminal Help  
jh3v7t@jh3v7t-VirtualBox:~$ pwd  
/home/jh3v7t  
jh3v7t@jh3v7t-VirtualBox:~$ cd /  
jh3v7t@jh3v7t-VirtualBox:/$ pwd  
/  
jh3v7t@jh3v7t-VirtualBox:/$ cd /home  
jh3v7t@jh3v7t-VirtualBox:/home$
```

## I. feladat 4. – Lépjen a rendszergazda home jegyzékébe (a jogosultsági rendszer valószínűleg megakadályozza majd)!



```
jh3v7t@jh3v7t-VirtualBox: /home  
File Edit View Search Terminal Help  
jh3v7t@jh3v7t-VirtualBox:~$ pwd  
/home/jh3v7t  
jh3v7t@jh3v7t-VirtualBox:~$ cd /  
jh3v7t@jh3v7t-VirtualBox:/$ pwd  
/  
jh3v7t@jh3v7t-VirtualBox:/$ cd /home  
jh3v7t@jh3v7t-VirtualBox:/home$ cd /root  
bash: cd: /root: Permission denied  
jh3v7t@jh3v7t-VirtualBox:/home$
```

**I. feladat 5.** – Lépjen a gyökérjegyzékből nyíló `etc` jegyzékbe!

```
jh3v7t@jh3v7t-VirtualBox: /etc
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:~$ pwd
/home/jh3v7t
jh3v7t@jh3v7t-VirtualBox:~$ cd /
jh3v7t@jh3v7t-VirtualBox:/$ pwd
/
jh3v7t@jh3v7t-VirtualBox:/$ cd /home
jh3v7t@jh3v7t-VirtualBox:/home$ cd /root
bash: cd: /root: Permission denied
jh3v7t@jh3v7t-VirtualBox:/home$ cd /etc
jh3v7t@jh3v7t-VirtualBox:/etc$
```

**I. feladat 6.** – Lépjen vissza egy szinttel feljebb!

```
jh3v7t@jh3v7t-VirtualBox: /
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:~$ pwd
/home/jh3v7t
jh3v7t@jh3v7t-VirtualBox:~$ cd /
jh3v7t@jh3v7t-VirtualBox:/$ pwd
/
jh3v7t@jh3v7t-VirtualBox:/$ cd /home
jh3v7t@jh3v7t-VirtualBox:/home$ cd /root
bash: cd: /root: Permission denied
jh3v7t@jh3v7t-VirtualBox:/home$ cd /etc
jh3v7t@jh3v7t-VirtualBox:/etc$ cd ..
jh3v7t@jh3v7t-VirtualBox:/$ pwd
/
jh3v7t@jh3v7t-VirtualBox:/$
```

**I. feladat 7.** – Jelenítse meg az aktuális jegyzék tartalomjegyzékét!

```
jh3v7t@jh3v7t-VirtualBox: /
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:~$ pwd
/home/jh3v7t
jh3v7t@jh3v7t-VirtualBox:~$ cd /
jh3v7t@jh3v7t-VirtualBox:/$ pwd
/
jh3v7t@jh3v7t-VirtualBox:/$ cd /home
jh3v7t@jh3v7t-VirtualBox:/home$ cd /root
bash: cd: /root: Permission denied
jh3v7t@jh3v7t-VirtualBox:/home$ cd /etc
jh3v7t@jh3v7t-VirtualBox:/etc$ cd ..
jh3v7t@jh3v7t-VirtualBox:/$ pwd
/
jh3v7t@jh3v7t-VirtualBox:/$ ls
bin boot cdrom dev etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run sbin srv swapfile sys tmp usr var
jh3v7t@jh3v7t-VirtualBox:/$
```

**I. feladat 8.** – Jelenítse meg a `/etc`, majd a `/var/log` jegyzék tartalomjegyzékét is (részletes adatokkal)!

*/etc* jegyzék:

```

jH3v7t@jH3v7t-VirtualBox: /
File Edit View Search Terminal Help
jH3v7t@jH3v7t-VirtualBox:/$ ls /etc
acpi                                group                                ld.so.conf.d                       netconfig                          rc2.d                              sudo_logsrvd.conf
adduser.conf                       cron.weekly                         legal                              netplan                           rc3.d                              sysctl.conf
adjtime                           cryptsetup-initramfs              libao.conf                        network                           rc4.d                              sysctl.d
alsa                               cups                               libaudit.conf                    networkd-dispatcher               rc5.d                              systemd
alternatives                      cups_helpers                      libblockdev                      NetworkManager                   rc6.d                              terminfo
anacrontab                        dbus-1                             libl3                             networks                          rcS.d                              thermald
apg.conf                          dconf                             libpaper.d                       newt                               request-key.conf                  thunderbird
apm                               debconf.conf                     libreoffice                      nftables.conf                    request-key.d                     timeshift
apparmor                          debian_version                   lightdm                          nsswitch.conf                    resolv.conf                       timezone
apparmor.d                       default                           linuxmint                       openal                            rmt                               timidity
appost                            deluser.conf                    locale.alias                     openni2                           rpc                               tmpfiles.d
appstream.conf                   depmod.d                         locale.gen                       openvpn                           rsyslog.conf                     ucf.conf
apt                               dhcp                              Localtime                       opt                               rsyslog.d                        udev
avahi                            dictionaries-common             logcheck                         os-release                       samba                             udisks2
bash                             dkms                             login.defs                      PackageKit                       sane.d                            ufw
bash_completion                  doc-base                        logrotate.conf                  pam.conf                          security                         updatedb.conf
bash_completion.d                dpkg                             logrotate.d                     pam.d                             selinux                          update-motd.d
bindresvport.blacklist           e2scrub.conf                    ltrace.conf                     papersize                         sensors3.conf                    UPower
binfmt.d                         emacs                            ifplugd                         passwd                            sensors.d                        upstream-release
bluetooth                        environment                     ImageMagick-6                   pcscd                             services                         usb_modeswitch.conf
brlapi.key                       ethertypes                      init                             machine-id                       sgml                             usb_modeswitch.d
brltty                           firefox                         inputrc                        mc                               shadow                           vdpau_wrapper.cfg
brltty.conf                      fonts                           inxi.conf                      mime.mime                        shadow-                           vim
ca-certificates                  fprintd.conf                   java-11-openjdk                 mailcap.order                    shells                            vmware-tools
ca-certificates.conf             fstab                           iproute2                       manpath.config                  skel                             vtrgb
ca-certificates.conf.dpkg-old    fuse.conf                      issue                           m2fs.conf                       snmp                             vulkan
casper.conf                      fwupd                           issue.net                      ModemManager                    speech-dispatcher                wgetrc
catdocrc                        gal.conf                       java-11-openjdk                 module-load.d                   wpa_supplicant                  X11
chatscripts                      gdb                             kernel                          modules-load.d                  xattr.conf                      xdg
cifs-utils                      geoclue                        kernel.img.conf                modules-load.d                   xml                              zfs
console-setup                   ghostscript                    glnvnd                         mttools.conf                    subuid                           zsh_command_not_found
cracklib                        gnome-app-install              groff                           ld.so.cache                     sudo.conf                       sudoers
cron.d                          groff                          ld.so.conf                     ld.so.conf                       sudoers.d
cron.daily                      hp                             mintsytem.log                  syslog                           vboxadd-setup.log.1
cron.hourly                     dmesg.3.gz                   hp                               mintsytem.log                   syslog                           vboxadd-setup.log.1
cron.monthly                    dmesg.4.gz                   installer                      mintsytem.log                   ubuntu-system-adjustments-adjust-grub-title.log
alternatives.log                btmsg                         cups                           dpkg.log                       kern.log                        private                          vboxadd-install.log
apt                             dmesg                         dpkg.log                       faillog                         lastlog                         sampa                           vboxadd-setup.log
auth.log                        dmesg.0                      fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
boot.log                        dmesg.1.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
boot.log.1                     dmesg.2.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
bootstrap.log                  dmesg.2.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
jH3v7t@jH3v7t-VirtualBox:/$

```

*/var/log* jegyzék:

```

jH3v7t@jH3v7t-VirtualBox: /
File Edit View Search Terminal Help
casper.conf                       fuse.conf                        iproute2                          mc                                ppp                                speech-dispatcher      wgetrc
catdocrc                         fwupd                           issue                             mime.types                       printcap                  ssh                      wpa_supplicant
chatscripts                      gal.conf                       java-11-openjdk                 m2fs.conf                      profile                   ssl                      X11
cifs-utils                      gdb                             kernel                          ModemManager                   profile.d                 subgid                  xattr.conf
console-setup                   geoclue                        kernel.img.conf                module-load.d                  protocols                subgid                  xdg
cracklib                        ghostscript                    glnvnd                         modules-load.d                 pulse                    subuid                  xml
cron.d                          gnome-app-install              groff                           ld.so.cache                     sudo.conf                 subuid                  zfs
cron.daily                      groff                          ld.so.conf                     ld.so.conf                       sudoers                   sudo.conf               zsh_command_not_found
cron.hourly                     hp                             mintsytem.log                  syslog                           vboxadd-setup.log.1
cron.monthly                    dmesg.3.gz                   hp                               mintsytem.log                   ubuntu-system-adjustments-adjust-grub-title.log
alternatives.log                btmsg                         cups                           dpkg.log                       kern.log                        private                          vboxadd-install.log
apt                             dmesg                         dpkg.log                       faillog                         lastlog                         sampa                           vboxadd-setup.log
auth.log                        dmesg.0                      fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
boot.log                        dmesg.1.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
boot.log.1                     dmesg.2.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
bootstrap.log                  dmesg.2.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
jH3v7t@jH3v7t-VirtualBox:/$

```

**I. feladat 9.** – Lépjen a saját home jegyzékébe! Hozzon létre egy új aljegyzéket, a neve legyen `Teszt`!

```

jH3v7t@jH3v7t-VirtualBox: ~
File Edit View Search Terminal Help
chatscripts                      gal.conf                       issue.net                       m2fs.conf                      profile                         ssl                            X11
cifs-utils                      gdb                             java-11-openjdk                 ModemManager                   profile.d                      subgid                        xattr.conf
console-setup                   geoclue                        kernel                          module-load.d                  protocols                      subgid                        xdg
cracklib                        ghostscript                    glnvnd                         modules-load.d                 pulse                          subuid                        xml
cron.d                          gnome-app-install              groff                           ld.so.cache                     sudo.conf                     subuid                        zfs
cron.daily                      groff                          ld.so.conf                     ld.so.conf                       sudoers                       sudo.conf                    zsh_command_not_found
cron.hourly                     hp                             mintsytem.log                  syslog                           vboxadd-setup.log.1
cron.monthly                    dmesg.3.gz                   hp                               mintsytem.log                   ubuntu-system-adjustments-adjust-grub-title.log
alternatives.log                btmsg                         cups                           dpkg.log                       kern.log                        private                          vboxadd-install.log
apt                             dmesg                         dpkg.log                       faillog                         lastlog                         sampa                           vboxadd-setup.log
auth.log                        dmesg.0                      fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
boot.log                        dmesg.1.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
boot.log.1                     dmesg.2.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
bootstrap.log                  dmesg.2.gz                   fontconfig.log                 gpu-manager.log                 lightdm                         speech-dispatcher
jH3v7t@jH3v7t-VirtualBox:/$ cd /home/jH3v7t
jH3v7t@jH3v7t-VirtualBox:~$ mkdir Teszt
jH3v7t@jH3v7t-VirtualBox:~$

```

**I. feladat 10.** – Egyetlen paranccsal hozzon létre ebben két újabb jegyzéket, T1-et és T2-t!

```
jh3v7t@jh3v7t-VirtualBox: ~
File Edit View Search Terminal Help
cifs-utils          gdb                java-11-openjdk    ModemManager      profile.d          subgid            xattr.conf
console-setup       geoclue           kernel             modprobe.d         protocols         subgid-          xdg
cracklib            ghostscript       kernel-img.conf   modules            pulse             subuid           xml
cron.d             glvnd            kerneloops.conf  modules-load.d    python3           subuid-          zfs
cron.daily          gnome            keyutils         mtab              python3.10        sudo.conf       zsh_command_not_found
cron.hourly        gnome-app-install ld.so.cache      mttools.conf      rc0.d            sudoers         sudoers.d
cron.monthly       groff            ld.so.conf       nanorc            rc1.d            sudoers.d
jh3v7t@jh3v7t-VirtualBox:~$ ls /var/log
alternatives.log  btmp             dmesg.3.gz       hp               mintsytem.log    syslog          vboxadd-setup.log.1
apt              cups             dmesg.4.gz       installer        mintsytem.timestamps  ubuntu-system-adjustments-adjust-grub-title.log  wtmp
auth.log         dmesg           dpkg.log         journal         openvpn          ubuntu-system-adjustments-start.log             Xorg.0.log
boot.log        dmesg.0         faillog          kern.log        private         ubuntu-system-adjustments-stop.log              Xorg.0.log.old
boot.log.1      dmesg.1.gz     fontconfig.log   lastlog         samba           vboxadd-install.log
bootstrap.log   dmesg.2.gz     gpu-manager.log  lightdm         speech-dispatcher  vboxadd-setup.log
jh3v7t@jh3v7t-VirtualBox:~$ cd /home/jh3v7t
jh3v7t@jh3v7t-VirtualBox:~$ mkdir Teszt
jh3v7t@jh3v7t-VirtualBox:~$ mkdir T1 T2
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 11.** – Rajzoltassa ki a jegyzékstruktúrát a `tree` paranccsal!

```
jh3v7t@jh3v7t-VirtualBox: ~
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:~$ mkdir Teszt
jh3v7t@jh3v7t-VirtualBox:~$ mkdir T1 T2
jh3v7t@jh3v7t-VirtualBox:~$ tree
.
├── Desktop
├── Documents
├── Downloads
├── Music
├── Pictures
├── Public
├── T1
├── T2
├── Templates
├── Teszt
└── Videos

11 directories, 0 files
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 12.** – Egyetlen paranccsal hozzon létre a `Teszt` jegyzékből nyíló három, egymásból nyíló jegyzéket: `Unix/Linux/Debian` néven!

```
jh3v7t@jh3v7t-VirtualBox: ~
File Edit View Search Terminal Help
├── Desktop
├── Documents
├── Downloads
├── Music
├── Pictures
├── Public
├── T1
├── T2
├── Templates
├── Teszt
└── Videos

11 directories, 0 files
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian
mkdir: cannot create directory '/home/jh3v7t/Teszt/Unix/Linux/Debian': No such file or directory
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian -p
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 13.** – Nevezze át a `Debian` jegyzéket `Deb-re`!

```
jh3v7t@jh3v7t-VirtualBox: ~
File Edit View Search Terminal Help
├── Desktop
├── Documents
├── Downloads
├── Music
├── Pictures
├── Public
├── T1
├── T2
├── Templates
├── Teszt
└── Videos

11 directories, 0 files
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian
mkdir: cannot create directory '/home/jh3v7t/Teszt/Unix/Linux/Debian': No such file or directory
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian -p
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Debian ~/Teszt/Unix/Linux/Deb
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 14. – Helyezze át a Deb jegyzéket a T1-be!**

```
jh3v7t@jh3v7t-VirtualBox: ~  
File Edit View Search Terminal Help  
└─ Downloads  
└─ Music  
└─ Pictures  
└─ Public  
└─ T1  
└─ T2  
└─ Templates  
└─ Teszt  
└─ Videos  
11 directories, 0 files  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian  
mkdir: cannot create directory '/home/jh3v7t/Teszt/Unix/Linux/Debian': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian -p  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Debian ~/Teszt/Unix/Linux/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Deb ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 15. – Törölje a T1 jegyzéket!**

```
jh3v7t@jh3v7t-VirtualBox: ~  
File Edit View Search Terminal Help  
└─ Templates  
└─ Teszt  
└─ Videos  
11 directories, 0 files  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian  
mkdir: cannot create directory '/home/jh3v7t/Teszt/Unix/Linux/Debian': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian -p  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Debian ~/Teszt/Unix/Linux/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Deb ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir T1  
rmdir: failed to remove 'T1': Directory not empty  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1r  
rmdir: failed to remove '/home/jh3v7t/T1r': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1  
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 16. – Egyetlen paranccsal törölje a Teszt jegyzéket!**

```
jh3v7t@jh3v7t-VirtualBox: ~  
File Edit View Search Terminal Help  
└─ Teszt  
└─ Videos  
11 directories, 0 files  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian  
mkdir: cannot create directory '/home/jh3v7t/Teszt/Unix/Linux/Debian': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian -p  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Debian ~/Teszt/Unix/Linux/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Deb ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir T1  
rmdir: failed to remove 'T1': Directory not empty  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1r  
rmdir: failed to remove '/home/jh3v7t/T1r': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1  
jh3v7t@jh3v7t-VirtualBox:~$ rm ~/Teszt -r  
jh3v7t@jh3v7t-VirtualBox:~$
```

**I. feladat 17. – Jelenítse meg az aktuális jegyzék tartalmát!**

```
jh3v7t@jh3v7t-VirtualBox: ~  
File Edit View Search Terminal Help  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian  
mkdir: cannot create directory '/home/jh3v7t/Teszt/Unix/Linux/Debian': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ mkdir ~/Teszt/Unix/Linux/Debian -p  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Debian ~/Teszt/Unix/Linux/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ mv ~/Teszt/Unix/Linux/Deb ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir T1  
rmdir: failed to remove 'T1': Directory not empty  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1/Deb  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1r  
rmdir: failed to remove '/home/jh3v7t/T1r': No such file or directory  
jh3v7t@jh3v7t-VirtualBox:~$ rmdir ~/T1  
jh3v7t@jh3v7t-VirtualBox:~$ rm ~/Teszt -r  
jh3v7t@jh3v7t-VirtualBox:~$ pwd  
/home/jh3v7t  
jh3v7t@jh3v7t-VirtualBox:~$ ls  
Desktop Documents Downloads Music Pictures Public T2 Templates Videos  
jh3v7t@jh3v7t-VirtualBox:~$
```

## I. feladat 18. – Jelenítse meg a /etc jegyzék tartalmát részletesen!

```

File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:~$ ls
Desktop Documents Downloads Music Pictures Public T2 Templates Videos
jh3v7t@jh3v7t-VirtualBox:~$ cd /etc
jh3v7t@jh3v7t-VirtualBox:~$ ls -l
total 1240
drwxr-xr-x 3 root root 4096 Jul 11 18:29 acpi
-rw-r--r-- 1 root root 3628 Jul 11 17:33 adduser.conf
-rw-r--r-- 1 root root 18 Oct 4 20:00 adjtime
drwxr-xr-x 3 root root 4096 Jul 11 18:11 alsa
drwxr-xr-x 2 root root 4096 Oct 10 18:42 alternatives
-rw-r--r-- 1 root root 335 Mar 23 2022 anacrontab
-rw-r--r-- 1 root root 433 Mar 23 2022 app.conf
drwxr-xr-x 5 root root 4096 Jul 11 18:12 apparmor
drwxr-xr-x 3 root root 4096 Jul 11 18:26 apparmor
drwxr-xr-x 7 root root 4096 Oct 9 18:40 apparmor.d
drwxr-xr-x 4 root root 4096 Oct 4 20:02 apport
-rw-r--r-- 1 root root 769 Feb 22 2022 appstream.conf
drwxr-xr-x 8 root root 4096 Oct 4 20:02 apt
drwxr-xr-x 3 root root 4096 Jul 11 18:31 avahi
-rw-r--r-- 1 root root 2319 Jan 6 2022 bash.bashrc
-rw-r--r-- 1 root root 45 Nov 11 2021 bash_completion
drwxr-xr-x 2 root root 4096 Jul 11 18:09 bash_completion.d
-rw-r--r-- 1 root root 367 Dec 16 2020 binfmtexport.blacklist
drwxr-xr-x 2 root root 4096 Apr 7 2022 binfmt.d
drwxr-xr-x 2 root root 4096 Jul 11 18:26 bluetooth
-rw-r--r-- 1 root root 33 Jul 11 18:31 brltty.key
drwxr-xr-x 7 root root 4096 Jul 11 18:24 brltty
-rw-r--r-- 1 root root 29219 Jun 28 2022 brltty.conf
drwxr-xr-x 3 root root 4096 Jul 11 17:34 ca-certificates
-rw-r--r-- 1 root root 6253 Jul 11 17:38 ca-certificates.conf
drwxr-xr-x 1 root root 5529 Jul 11 17:35 ca-certificates.conf.dpkg-old
-rw-r--r-- 1 root root 429 Jul 11 18:37 casper.conf
-rw-r--r-- 1 root root 119 Jan 11 2022 catdocrc
drwxr-xr-x 2 root root 4096 Jul 11 18:27 chatscripts
drwxr-xr-x 2 root root 4096 Jul 11 18:31 cifs-utils
drwxr-xr-x 2 root root 4096 Oct 4 20:00 console-setup
drwxr-xr-x 2 root root 4096 Jul 11 18:29 cracklib
drwxr-xr-x 2 root root 4096 Jul 11 18:31 cron.d
drwxr-xr-x 2 root root 4096 Oct 9 18:39 cron.daily
drwxr-xr-x 2 root root 4096 Jul 11 17:35 cron.hourly
drwxr-xr-x 2 root root 4096 Jul 11 18:25 cron.monthly
-rw-r--r-- 1 root root 1136 Mar 23 2022 crontab
drwxr-xr-x 2 root root 4096 Jul 11 18:31 cron.weekly
drwxr-xr-x 2 root root 4096 Jul 11 18:32 cryptsetup-initramfs
drwxr-xr-x 5 root root 4096 Oct 10 19:16 cups
drwxr-xr-x 2 root root 4096 Jul 11 18:29 cupshelpers
drwxr-xr-x 4 root root 4096 Jul 11 17:34 dbus-1
drwxr-xr-x 3 root root 4096 Jul 11 17:40 dconf
-rw-r--r-- 1 root root 2969 Feb 28 2022 debconf.conf
-rw-r--r-- 1 root root 13 Aug 22 2021 debian_version
drwxr-xr-x 3 root root 4096 Oct 9 18:40 default
-rw-r--r-- 1 root root 684 Sep 16 2018 deluser.conf
drwxr-xr-x 2 root root 4096 Oct 4 20:43 digmod.d
drwxr-xr-x 4 root root 4096 Jul 11 17:38 dhcp
drwxr-xr-x 2 root root 4096 Jul 11 18:34 dictionaries-common
drwxr-xr-x 4 root root 4096 Jul 11 17:41 dmcc
drwxr-xr-x 3 root root 4096 Jul 11 18:15 doc-base

```

## I. feladat 19. – Jelenítse meg a /etc jegyzék conf kiterjesztésű fájljait!

```

File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:~$ cd /etc
jh3v7t@jh3v7t-VirtualBox:~$ ls -l
total 1240
drwxr-xr-x 3 root root 4096 Jul 11 18:29 acpi
-rw-r--r-- 1 root root 3628 Jul 11 17:33 adduser.conf
-rw-r--r-- 1 root root 18 Oct 4 20:00 adjtime
drwxr-xr-x 3 root root 4096 Jul 11 18:11 alsa
drwxr-xr-x 2 root root 4096 Oct 10 18:42 alternatives
-rw-r--r-- 1 root root 335 Mar 23 2022 anacrontab
-rw-r--r-- 1 root root 433 Mar 23 2022 app.conf
drwxr-xr-x 5 root root 4096 Jul 11 18:12 apparmor
drwxr-xr-x 3 root root 4096 Jul 11 18:26 apparmor
drwxr-xr-x 7 root root 4096 Oct 9 18:40 apparmor.d
drwxr-xr-x 4 root root 4096 Oct 4 20:02 apport
-rw-r--r-- 1 root root 769 Feb 22 2022 appstream.conf
drwxr-xr-x 8 root root 4096 Oct 4 20:02 apt
drwxr-xr-x 3 root root 4096 Jul 11 18:31 avahi
-rw-r--r-- 1 root root 2319 Jan 6 2022 bash.bashrc
-rw-r--r-- 1 root root 45 Nov 11 2021 bash_completion
drwxr-xr-x 2 root root 4096 Jul 11 18:09 bash_completion.d
-rw-r--r-- 1 root root 367 Dec 16 2020 binfmtexport.blacklist
drwxr-xr-x 2 root root 4096 Apr 7 2022 binfmt.d
drwxr-xr-x 2 root root 4096 Jul 11 18:26 bluetooth
-rw-r--r-- 1 root root 33 Jul 11 18:31 brltty.key
drwxr-xr-x 7 root root 4096 Jul 11 18:24 brltty
-rw-r--r-- 1 root root 29219 Jun 28 2022 brltty.conf
drwxr-xr-x 3 root root 4096 Jul 11 17:34 ca-certificates
-rw-r--r-- 1 root root 6253 Jul 11 17:38 ca-certificates.conf
drwxr-xr-x 1 root root 5529 Jul 11 17:35 ca-certificates.conf.dpkg-old
-rw-r--r-- 1 root root 429 Jul 11 18:37 casper.conf
-rw-r--r-- 1 root root 119 Jan 11 2022 catdocrc
drwxr-xr-x 2 root root 4096 Jul 11 18:27 chatscripts
drwxr-xr-x 2 root root 4096 Jul 11 18:31 cifs-utils
drwxr-xr-x 2 root root 4096 Oct 4 20:00 console-setup
drwxr-xr-x 2 root root 4096 Jul 11 18:29 cracklib
drwxr-xr-x 2 root root 4096 Jul 11 18:31 cron.d
drwxr-xr-x 2 root root 4096 Oct 9 18:39 cron.daily
drwxr-xr-x 2 root root 4096 Jul 11 17:35 cron.hourly
drwxr-xr-x 2 root root 4096 Jul 11 18:25 cron.monthly
-rw-r--r-- 1 root root 1136 Mar 23 2022 crontab
drwxr-xr-x 2 root root 4096 Jul 11 18:31 cron.weekly
drwxr-xr-x 2 root root 4096 Jul 11 18:32 cryptsetup-initramfs
drwxr-xr-x 5 root root 4096 Oct 10 19:16 cups
drwxr-xr-x 2 root root 4096 Jul 11 18:29 cupshelpers
drwxr-xr-x 4 root root 4096 Jul 11 17:34 dbus-1
drwxr-xr-x 3 root root 4096 Jul 11 17:40 dconf
-rw-r--r-- 1 root root 2969 Feb 28 2022 debconf.conf
-rw-r--r-- 1 root root 13 Aug 22 2021 debian_version
drwxr-xr-x 3 root root 4096 Oct 9 18:40 default
-rw-r--r-- 1 root root 684 Sep 16 2018 deluser.conf
drwxr-xr-x 2 root root 4096 Oct 4 20:43 digmod.d
drwxr-xr-x 4 root root 4096 Jul 11 17:38 dhcp
drwxr-xr-x 2 root root 4096 Jul 11 18:34 dictionaries-common
drwxr-xr-x 4 root root 4096 Jul 11 17:41 dmcc
drwxr-xr-x 3 root root 4096 Jul 11 18:15 doc-base

```

**I. feladat 20.** – Jelenítse meg a `/etc` könyvtár azon fájljait, melyek `p`-vel kezdődnek!

```
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:/etc
drwxr-xr-x 2 root root 4096 Sep 6 2021 usb_modeswitch.d
-rw-r--r-- 1 root root 51 Apr 9 2020 vdpau_wrapper.cfg
drwxr-xr-x 2 root root 4096 Oct 9 18:48 vim
drwxr-xr-x 4 root root 4096 Oct 4 20:01 vmware-tools
lrwxrwxrwx 1 root root 23 Oct 4 19:57 vtrgb -> /etc/alternatives/vtrgb
-rw-r--r-- 1 root root 4096 Jul 11 18:15 vulkan
-rw-r--r-- 1 root root 4942 Jan 24 2022 wgetrc
drwxr-xr-x 2 root root 4096 Jul 11 18:31 wpa_supplicant
drwxr-xr-x 12 root root 4096 Jul 11 18:29 x11
-rw-r--r-- 1 root root 681 Mar 23 2022 xattr.conf
drwxr-xr-x 6 root root 4096 Jul 11 18:21 xdg
drwxr-xr-x 2 root root 4096 Jul 11 18:35 xml
drwxr-xr-x 4 root root 4096 Jul 11 18:33 zfs
-rw-r--r-- 1 root root 466 Dec 8 2021 zsh_command_not_found
jh3v7t@jh3v7t-VirtualBox:/etc$ ls *p*
adduser.conf      brltty.conf      debconf.conf      fprintd.conf      hdparm.conf      kernel-img.conf   libao.conf        ltrace.conf       nftables.conf     pnm2ppa.conf      rsyslog.conf      sudo_logsrvd.conf updatedb.conf
appstream.conf    ca-certificates.conf deluser.conf      fuse.conf         host.conf         kernelloops.conf  libaudit.conf     mke2fs.conf       nsswitch.conf     request-key.conf  sensors3.conf     sysctl.conf       usb_modeswitch.conf
jh3v7t@jh3v7t-VirtualBox:/etc$ ls p*
pam.conf  papersize  passwd  pnm2ppa.conf  printcap  profile  protocols

pam.d:
chfn      cinnamon-screensaver  common-password  cron      lightdm-autologin  newusers  polkit-1  runuser-l  sudo  vmtoolsd
chpasswd  common-account        common-session   cups      lightdm-greeter    other      ppp       samba      sudo-l
chsh      common-auth           common-session-noninteractive  lightdm  login      passwd    runuser   su         su-l

pocmd:
config.opts

perl:
Net XML

pki:
fwupd fwupd-metadata

ps:
config.d power.d sleep.d

polkit-1:
localauthority localauthority.conf.d

ppp:
chbp-secrets  ip-down.d  ip-pre-up.d  ip-up.d  ipv6-down.d  ipv6-up.d  ipv6-up.d  options.pptp  peers
ip-down      ip-pre-up  ip-up       ipv6-down  ipv6-up      options    pap-secrets  resolv

profile.d:
01-locale-fix.sh  bash_completion.sh  debuginfo.csh  debuginfo.sh  flatpak.sh  gawk.csh  gawk.sh  im-config  wayland.sh  vte-2.91.sh  vte.csh

pulse:
client.conf  client.conf.d  daemon.conf  default.pa  default.pa.d  system.pa

python3:
debian_config

python3.10:
sitecustomize.py
jh3v7t@jh3v7t-VirtualBox:/etc$
```

**I. feladat 21.** – Jelenítse meg a `/etc` jegyzék azon fájljait, melyek `f`-re végződnek!

```
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:/etc
debian_config

python3.10:
sitecustomize.py
jh3v7t@jh3v7t-VirtualBox:/etc$ ls *f
adduser.conf      brltty.conf      debconf.conf      fprintd.conf      hdparm.conf      kernel-img.conf   libao.conf        ltrace.conf       nftables.conf     pnm2ppa.conf
rsyslog.conf      sudo_logsrvd.conf updatedb.conf      deluser.conf      fuse.conf         host.conf         kernelloops.conf  libaudit.conf     mke2fs.conf       nsswitch.conf     request-key.conf
app.conf          ca-certificates.conf deluser.conf      fuse.conf         host.conf         kernelloops.conf  libaudit.conf     mke2fs.conf       nsswitch.conf     request-key.conf
sensors3.conf     sysctl.conf      usb_modeswitch.conf _e2scrub.conf     gai.conf          inxi.conf         ld.so.conf        logrotate.conf    mtools.conf       pam.conf          resolv.conf
appstream.conf    casper.conf      e2scrub.conf      gai.conf          inxi.conf         ld.so.conf        logrotate.conf    mtools.conf       pam.conf          resolv.conf
sudo.conf         ucf.conf         xattr.conf

dconf:
db

groff:
man.local  mdoc.local
jh3v7t@jh3v7t-VirtualBox:/etc$
```

**I. feladat 22.** – Jelenítse meg a `/etc` jegyzék azon fájljait, melyek első karaktere `p`, a harmadik `s` és `d`-re végződnek!

```
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:/etc

python3.10:
sitecustomize.py
jh3v7t@jh3v7t-VirtualBox:/etc$ ls *p*s*d
adduser.conf      brltty.conf      debconf.conf      fprintd.conf      hdparm.conf      kernel-img.conf   libao.conf        ltrace.conf       nftables.conf     pnm2ppa.conf
rsyslog.conf      sudo_logsrvd.conf updatedb.conf      deluser.conf      fuse.conf         host.conf         kernelloops.conf  libaudit.conf     mke2fs.conf       nsswitch.conf     request-key.conf
app.conf          ca-certificates.conf deluser.conf      fuse.conf         host.conf         kernelloops.conf  libaudit.conf     mke2fs.conf       nsswitch.conf     request-key.conf
sensors3.conf     sysctl.conf      usb_modeswitch.conf _e2scrub.conf     gai.conf          inxi.conf         ld.so.conf        logrotate.conf    mtools.conf       pam.conf          resolv.conf
appstream.conf    casper.conf      e2scrub.conf      gai.conf          inxi.conf         ld.so.conf        logrotate.conf    mtools.conf       pam.conf          resolv.conf
sudo.conf         ucf.conf         xattr.conf

dconf:
db

groff:
man.local  mdoc.local
jh3v7t@jh3v7t-VirtualBox:/etc$ ls p*s*d
passwd
jh3v7t@jh3v7t-VirtualBox:/etc$
```



```
jh3v7t@jh3v7t-VirtualBox:/etc
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:/etc$ ls *f
adduser.conf          brltty.conf          debconf.conf          fprintd.conf          hdparm.conf          kernel-img.conf       libao.conf            ltrace.conf           nftables.conf        pnm2ppa.conf
rsyslog.conf          sudo.logsrvd.conf    updatedb.conf         deluser.conf          fuse.conf            host.conf             kernelloops.conf      libaudit.conf         mke2fs.conf          nsswitch.conf
apg.conf              ca-certificates.conf deluser.conf          fuse.conf            host.conf             kernelloops.conf      libaudit.conf         mke2fs.conf          nsswitch.conf
request-key.conf
sensors3.conf          sysctl.conf          usb.modeswitch.conf   e2scrub.conf          gai.conf             inxi.conf             ld.so.conf            logrotate.conf        mtools.conf          pam.conf
resolv.conf
apptstream.conf        casper.conf          xattr.conf
sudo.conf              ucf.conf

dconf:
db

groff:
man.local  mdoc.local

jh3v7t@jh3v7t-VirtualBox:/etc$ ls p?s*d
passwd

jh3v7t@jh3v7t-VirtualBox:/etc$ ls /home -a
.  ..  jh3v7t

jh3v7t@jh3v7t-VirtualBox:/etc$
```

```

jhs3v7t@jhs3v7t-VirtualBox:/etc
File Edit View Search Terminal Help

... jhs3v7t
jhs3v7t@jhs3v7t-VirtualBox:~$ ls /etc /usr/bin /usr/sbin
/etc:
ca-certificates.conf  catdocrc  inputrc  magic  mailcap.order  pam.conf  passwd-  psm2ppa.conf
bash_completion      ca-certificates.conf.dpkg-old  gai.conf  environment  inxi.conf  magic.mime  manpath.config  papersize  pm2ppa.conf
bash_completion      casper.conf  gai.conf  environment  inxi.conf  magic.mime  manpath.config  papersize  xattr.conf

bash_completion.d:
apt-linux-mint

ca-certificates:
update.d

environment.d:
90atk-adaptor.conf  90qt-ally.conf

gnome:
defaults.list  menus.blacklist

gnome-app-install:
packages-whitelist

init:
lightdm.conf

init.d:
acpid  bluetooth  cups  hwclock.sh  lightdm  networking  procs  udev  zfs-mount
alsa-utils  console-setup.sh  cups-browsed  irqbalance  l1m-sensors  openvpn  pulsedaudio-enable-autospawn  ufw  zfs-share
macron  cron  dbus  kerneloops  lvm2  rsyslog  systemd  ufw  zfs-zed
apparmor  cryptdisks  dns-clean  keyboard-setup.sh  lvm2-lvmpolld  plymouth  saned  x11-common  zfs-import
avahi-daemon  cryptdisks-early  grub-common  knmd  init-system  plymouth-log  speech-dispatcher

initramfs-tools:
conf.d  hooks  initramfs.conf  modules  scripts  update-initramfs

java-11-openjdk:
accessibility.properties  jvm-amd64.cfg  management  pfont12d.properties  security  swing.properties
jfr  logging.properties  net.properties  pfont.properties.java  sound.properties

PackageKit:
packagekit.conf  Vendor.conf

gnm.d:
cifs  cinnamon-screensaver  common-password  cron  lightdm-autologin  newusers  polkit-1  runuser-l  sudo  vmtoolsd
chpasswd  common-account  common-session  cups  lightdm-greeter  other  ppp  samba  sudo-l
chsh  common-auth  common-session-noninteractive  lightdm  login  passwd  runuser  su  su-l

samba:
gdbcmmands  smb.conf  t1s

sane.d:
abatton.conf  canon-dr.conf  dell1600n.net.conf  genesys.conf  kodak.conf  mustek.conf  plustek.pp.conf  splisc.conf  umax.conf
adfr.conf  canon-l1609.conf  dell1600n.conf  gphoto2.conf  kodak.conf  mustek.pp.conf  qcam.conf  st400.conf  xerox_pp.conf
airscan.conf  canon_ppi.conf  dell1600n.conf  q160xx.conf  kvs1025.conf  mustek.usb.conf  ricoh.conf  tamarrack.conf  xerox_mfp.conf
apple.conf  cardscan.conf  dmc.conf  hp3900.conf  leo.conf  nec.conf  rt8891.conf  tamarack.conf
artec.conf  coolscan.conf  ejitscu.conf  hp4200.conf  lexmark.conf  net.conf  s9036.conf  tecal.conf
arvision.conf  coolscan3.conf  ejitscu.conf  hp5490.conf  m1549.conf  p5.conf  saned.conf  tecal.conf
arvision.conf  coolscan.conf  eposon.conf  hp.conf  magicolor.conf  hp.conf  sceptre.conf  tecal.conf

```

```
jh3v7t@jh3v7t-VirtualBox: /etc
File Edit View Search Terminal Help

jh3v7t@jh3v7t-VirtualBox: /etc$ ls --hide=7a* --hide=7n*
acpi                          brltty.conf                default
                                sensors.d                  sysctl.conf                usb_modeswitch.conf
adduser.conf                  chatscripts                 deluser.conf               ghostsript
                                services                   sysctl.d                   usb_modeswitch.d
adjtime                        cifs-utils                 depmod.d                   glvnd
                                sgml                       systemd                    vdpau_wrapper.cfg
alsa                           console-setup               dhcpcd                      groff
                                shadow                     terminfo                    vim
alternatives                  cracklib                    dictionaries-common        group
                                shadow-                    thermal                     vmware-tools
apg.conf                       shells                      cron.d                      dkms
                                skel                       thunderbird                 vttrgb
apm                             cron.daily                  timeshift                   cron.monthly
                                cron.hourly                 dpkg                         wgetrc
apparmor                       speech-dispatcher           timezone                    e2scrub.conf
                                ssh                         timidity                    wpa_supplicant
appport                         cronstab                     emacs
                                y.d                         tmpfiles.d                  X11
appstream.conf                cron.weekly                  ucf.conf                    xdg
                                f                           subgid                       cryptsetup-initramfs
apt                             subgid                       cryptsetup-initramfs        udev
                                subuid                      cups                          fonts
avahi                           subuid                      cups                          fonts
                                subuid                      cups                          fonts
bindresvport.blacklist        udisks2                     cupsheplers                 zfs
nf                              subuid                      ufw                          zsh_command_not_found
binfmt.d                       dbus-1                       updatedb.conf               fuse.conf
                                sudo.conf                  dconf                        fuse.conf
bluetooth                      sudoers                     update-motd.d               fwupd
brlapi.key                     debconf.conf                fwupd                       hostid
                                sudoers.d                  UPower                      hostname
brltty                         debian_version              gdb                           hostname
onf                             sudo_logsrvd.conf          ups2stream-release
jh3v7t@jh3v7t-VirtualBox: /etc$
```

*Eleje:*

9

*Vége:*

```
File Edit View Search Terminal Help
jh3v7t@jh3v7t-VirtualBox:/etc

./X11/xsession.d:
x0dbus xdg-runtime 35x11-common xhost-local 68x11-common xdg-path 98xth-ndaptor 99xv/lapi 99x1Sct
99x1atask 40x11-common xsessionrc 79ia-config launch 99xpp-agent 99xv/update-activation-env 99x11-common_start
20x11-common process-args 58x11-common determine-startup 75dbus dbus-launch 99xqt-ally 99xvboxadd-xclient
98x11-common_xresources 55cinnamon-session.gnomerc 88xapp-gtk3-module 98x11-common_ssh-agent 99mint

./X11/xsm:
system.xsm

./xdg:
autostart menus systemd user-dirs.conf user-dirs.defaults xdg-default xdg-default.desktop xdg-xfce Xwayland-session.d

./xdg/autostart:
at-spi-dbus-bus.desktop cinnamon-settings-daemon-wacom.desktop org.gnome.SettingsDaemon.DiskUtilityNotify.desktop
blueman.desktop cinnamon-settings-daemon-xsettings.desktop polkit-gnome-authentication-agent-1.desktop
caribou-autostart.desktop geoclue-demo-agent.desktop polkit-mate-authentication-agent-1.desktop
cinnamon-settings-daemon-ally-settings.desktop gnome-keyring-pkcs11.desktop print-applet.desktop
cinnamon-settings-daemon-autount.desktop gnome-keyring-secrets.desktop pulseaudio.desktop
cinnamon-settings-daemon-background.desktop gnome-keyring-ssh.desktop sticky.desktop
cinnamon-settings-daemon-clipboard.desktop im-launch.desktop touchegg.desktop
cinnamon-settings-daemon-color.desktop mintreport.desktop user-dirs-update-gtk.desktop
cinnamon-settings-daemon-housekeeping.desktop mintupdate.desktop vboxclient.desktop
cinnamon-settings-daemon-keyboard.desktop mintwelcome.desktop vmware-user.desktop
cinnamon-settings-daemon-media-keys.desktop mm-applet.desktop warpinator-autostart.desktop
cinnamon-settings-daemon-power.desktop nvidia-prime.desktop xapp-sh-watcher.desktop
cinnamon-settings-daemon-print-notifications.desktop onboard-autostart.desktop xdg-user-dirs.desktop
cinnamon-settings-daemon-screensaver-proxy.desktop orca-autostart.desktop
cinnamon-settings-daemon-smartcard.desktop org.gnome.Evolution-alarm-notify.desktop

./xdg/menus:
applications-merged cinnamon-applications-merged mate-applications.menu mate-settings.menu
cinnamon-applications.menu gnome-applications.menu mate-preferences-categories.menu

./xdg/menus/applications-merged:
webapps.menu

./xdg/systemd:
user

./xdg/Xwayland-session.d:
00-at-spi 00-pulseaudio-x11

./xml:
catalog catalog.old docbook-xml.xml docbook-xml.xml.old sgml-data.xml sgml-data.xml.old xml-core.xml xml-core.xml.old

./zfs:
zed.d zfs-functions zpool.d

./zfs/zed.d:
all-syslog.sh history_event-zfs-list-cacher.sh resilver_finish-notify.sh scrub_finish-notify.sh statechange-notify.sh vdev_clear-led.sh zed.rc
data-notify.sh pool_import-led.sh resilver_finish-start-scrub.sh statechange-led.sh vdev_attach-led.sh zed-functions.sh

./zfs/zpool.d:
ata_err de-deps fault_led iostat label media nvm_err per_cyc r_proc ses smart temp test_status vendor
cad to emc health iostat-los locate_led model off_ucor realloc r_ucor size smart test test_ended test_type w_proc
defect encdev hours_on iostat-ls lblsk nommed pend_sec rep_ucor serial slot smartx test_progress upath w_ucor

jh3v7t@jh3v7t-VirtualBox:/etc
```

## I. feladat 27. – Indítsa el a Midnight Commandert!

```
File Edit View Search Terminal Help
mc [jh3v7t@jh3v7t-VirtualBox]~

[~] File Command Options Right

Name Size Modify time Name Size Modify time
UP--DIR UP--DIR
./ . 4096 Oct 10 18:43 ./ . 4096 Oct 10 18:43
./cache 4096 Oct 10 18:43 ./cache 4096 Oct 10 18:43
./config 4096 Oct 9 18:37 ./config 4096 Oct 10 18:43
./linuxmint 4096 Oct 4 20:04 ./linuxmint 4096 Oct 9 18:37
./local 4096 Oct 4 20:04 ./local 4096 Oct 4 20:04
./Desktop 4096 Oct 4 20:03 ./Desktop 4096 Oct 4 20:03
./Documents 4096 Oct 4 20:03 ./Documents 4096 Oct 4 20:03
./Downloads 4096 Oct 4 20:03 ./Downloads 4096 Oct 4 20:03
./Music 4096 Oct 4 20:03 ./Music 4096 Oct 4 20:03
./Pictures 4096 Oct 4 20:03 ./Pictures 4096 Oct 4 20:03
./Public 4096 Oct 4 20:03 ./Public 4096 Oct 4 20:03
./Templates 4096 Oct 10 19:45 ./Templates 4096 Oct 4 20:03
./Videos 4096 Oct 4 20:03 ./Videos 4096 Oct 4 20:03
./Xauthority 62 Oct 10 17:19 ./Xauthority 62 Oct 10 17:19
./bash_history 2446 Oct 10 18:43 ./bash_history 2446 Oct 10 18:43
./bash_logout 220 Oct 4 20:00 ./bash_logout 220 Oct 4 20:00
./bashrc 3771 Oct 4 20:00 ./bashrc 3771 Oct 4 20:00
./dirc 27 Oct 4 20:03 ./dirc 27 Oct 4 20:03
./gtkrc-2.0 22 Oct 4 20:00 ./gtkrc-2.0 22 Oct 4 20:00
./gtkrc.xfce 516 Oct 4 20:00 ./gtkrc.xfce 516 Oct 4 20:00
./lessht 26 Oct 10 18:39 ./lessht 26 Oct 10 18:39
./profile 807 Oct 4 20:00 ./profile 807 Oct 4 20:00
./sudo_as_admin_successful 0 Oct 9 18:37 ./sudo_as_admin_successful 0 Oct 9 18:37
./vboxclient-clipboard-tty7-control.pid 5 Oct 10 17:19 ./vboxclient-clipboard-tty7-control.pid 5 Oct 10 17:19
./vboxclient-clipboard-tty7-service.pid 5 Oct 10 17:19 ./vboxclient-clipboard-tty7-service.pid 5 Oct 10 17:19
./vboxclient-draganddrop-tty7-control.pid 5 Oct 10 17:19 ./vboxclient-draganddrop-tty7-control.pid 5 Oct 10 17:19
./vboxclient-draganddrop-tty7-service.pid 5 Oct 10 17:19 ./vboxclient-draganddrop-tty7-service.pid 5 Oct 10 17:19
./vboxclient-hostversion-tty7-control.pid 5 Oct 10 17:19 ./vboxclient-hostversion-tty7-control.pid 5 Oct 10 17:19
./vboxclient-seamless-tty7-control.pid 5 Oct 10 17:19 ./vboxclient-seamless-tty7-control.pid 5 Oct 10 17:19
./vboxclient-seamless-tty7-service.pid 5 Oct 10 17:19 ./vboxclient-seamless-tty7-service.pid 5 Oct 10 17:19
./vboxclient-vmvga-session-tty7-control.pid 5 Oct 10 17:19 ./vboxclient-vmvga-session-tty7-control.pid 5 Oct 10 17:19
./vboxclient-vmvga-session-tty7-service.pid 5 Oct 10 17:19 ./vboxclient-vmvga-session-tty7-service.pid 5 Oct 10 17:19
./xsession-errors 18428 Oct 10 19:25 ./xsession-errors 18428 Oct 10 19:25
./xsession-errors.old 9417 Oct 9 21:45 ./xsession-errors.old 9417 Oct 9 21:45

UP--DIR 126/246 (48%) UP--DIR 126/246 (48%)

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.
jh3v7t@jh3v7t-VirtualBox:~$
1|help 2|Menu 3|Low 4|git 5|copy 6|anNov 7|mdir 8|late 9|uLdn 10|git
```