

# **Számítógép architektúrák**

## **BSc**

### **1. Gyakorlat**

2023.10.10.

**Készítette:**

Molnár Márk

Bsc

Programtervező

informatikus

TLZ12Y

**Miskolc, 2023**

5. Lépjen a gyökérjegyzékből nyíló etc  
jegyzékbe!

## 6. Lépjen vissza egy szinttel feljebb!

7. Jelenítse meg az aktuális jegyzék  
tartalomjegyzékét!

[illegible]

8. Jelenítse meg a /etc, majd a /var/log jegyzék tartalomjegyzékét is (részletes adatokkal)!

[illegible]

9. Lépjen a saját home jegyzékébe! Hozzon létre egy új aljegyzéket, a neve legyen Teszt!

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

11. Rajzoltassa ki a jegyzékstruktúrát a tree paranccsal!

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/kag$ cd ~/home/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/home$ ls
tliz2ymolnarmark
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/home$ mkdir Teszt
mkdir: cannot create directory 'Teszt': Permission denied
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/home$ cd ~/home/tliz2ymolnarmark/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir Teszt
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir Teszt/T1 T2
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls Teszt
T1
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir T1 T2 /Teszt
mkdir: cannot create directory '/Teszt': Permission denied
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir T1 T2 /Teszt
mkdir: cannot create directory 'T1': File exists
mkdir: cannot create directory 'T2': File exists
mkdir: cannot create directory '/Teszt': Permission denied
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls Teszt
T1
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ rmdir Teszt/T1/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls Teszt
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ rm Teszt
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir Te
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir Te
Templates/ Teszt/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ mkdir Teszt/ (T1, T2)
mkdir: cannot create directory 'Teszt/': File exists
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ cd Teszt/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ mkdir (T1, T2)
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ ls
(T1, T2)
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ tree
├── (T1,
│   └── T2)
2 directories, 0 files
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ rmdir (T1,
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ rmdir T2)
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ ls
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ mkdir T1 T2
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ ls
T1 T2
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ tree
├── T1
│   └── T2
2 directories, 0 files
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ mkdir Unix/Linux/Debian
mkdir: cannot create directory 'Unix/Linux/Debian': No such file or directory
```

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

13. Nevezze át a Debian jegyzéket Deb-re!

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ ls
T1 T2
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ mkdir -p Unix/Linux/Debian
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ tree
├── T1
│   └── T2
│       ├── Unix
│       │   ├── Linux
│       │   └── Debian
5 directories, 0 files
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ mv mv
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ mv Unix/Linux/Debian/ Deb
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ tree
├── T1
│   └── T2
│       ├── Unix
│       │   └── Linux
5 directories, 0 files
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ rmdir Deb/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ cd Unix/Linux/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux$ mkdir Debian
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux$ cd Teszt
bash: cd: Teszt: No such file or directory
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux$ cd ..
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix$ cd ..
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ tree
├── T1
│   └── T2
│       ├── Unix
│       │   └── Linux
│       └── Debian
5 directories, 0 files
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt$ cd Unix/Linux/Debian/
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux/Debian$ mv Debian Deb
mv: cannot stat 'Debian': No such file or directory
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux/Debian$ cd ..
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux$ mv Debian/ Deb
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~/Teszt/Unix/Linux$ tree
├── T1
│   └── T2
│       ├── Unix
│       │   └── Linux
└── Deb
1 directory, 0 files
```

16. Egyetlen paranccsal törölje a Teszt jegyzéket!

- Desktop
- Documents
- Downloads
- Music
- Pictures
- Public
- Templates
- Videos

21. Jelenítse meg a /etc jegyzék azon fájljait, melyek f-re végződnek

[illegible]

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:/etc$ ls -conf
.
..
name.types
rsyslog.conf
rc.d
sensors.d
ssmtp
cron.conf
cron.d
cron.daily
brltty.conf
inxi.conf
sysctl.conf
gtk-3.0
chatscripts
openvpn
profile.d
vulkan
degmod.d
jwm
magic.mime
brlapi.key
epa-suppliment
init
alsa.types
twod
geoclue
thunderbird
cifs-utils
rc6.d
fstab
perl
sensors
printd.conf
pm.conf
subgid
mailcap
subuid
cups
hosts.deny
host.conf
systemd
acpi
group-
services
fuse.conf
iPLUGd
newt
dmes
timezone
subgid
libaudit
netconfig
casper.conf
liben3
locale.alias
xdg
cron.hourly
timexshift
lvm
inotifyrc
firefox
emacs
X11
opengl
gss
kattr.conf
bash.bashrc
ntools.conf
cronstab
nanorc
debcfg.conf
app.conf
ld.so.conf.d
netplan
ipp-usb
apparmor.d
bash-completion
shells
hosts.allow
deluser.conf
thermald
xdg
default
mailcap-order
hp
sysctl.d
linuxmint
usb-modeswitch.d
os-release
speech-dispatcher
ppp
subuid
subgid
security
iproute2
libblockdev
legal
selinux
apt
environment
vtrgb
mmapath.config
mke2fs.conf
xsl
shells
ghoshdev
ssh
thermald
subuid
group
wgetrc
gdb
rc1.d
network
dbus-1
console-setup
rc5.d
shadow
pcmcia
init.d
rc6.d
cron.weekly
updatedb.conf
rc4.d
modules
fairs
ld.so.cache
network
dbus-1
console-setup
rc5.d
ModemManager
profile
kernel-img.conf
networkd-dispatcher
pa
UPower
gnome-app-install
NetworkManager
cron.monthly
dpkg
logrotate.d
pcmcia
shadow-
pm2ppa.conf
gshadow
rc4.d
modules
ca-certificates.conf.dpkg-old
rsyslog.d
cupsshelpers
ca-certificates.conf
libpaper.d
locale.gen
locale
kernel
kerneloops.conf
same.d
ash-command-not-found
alternatives
e2scrub.conf
localtime
request-key.conf
keyutils
gnome
issue.net
pam.d
lightdm
python3
gtk-2.0
rc5.d
nftables.conf
vopau-wrapper.cfg
hostname
ld.so.conf
udisks2
machine-id
grub.d
kernel
kerneloops.conf
same.d
zsh-command-not-found
alternatives
cryptsetup-initramfs
update-motd.d
pwd.lock
java
calibre
protocols
passwd-
java-11-openjdk
ssl
terminfo
rc5.d
nftables.conf
vopau-wrapper.cfg
hostname
ld.so.conf
udisks2
machine-id
grub.d
kernel
kerneloops.conf
same.d
zsh-command-not-found
alternatives
cryptsetup-initramfs
update-motd.d
pwd.lock
java
calibre
protocols
```

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:/etc$ ls -p
pam.conf
papersize
passwd
passwd-
pm2ppa.conf
profile
protocols
subgid
subuid
zsh-command-not-found

chfn
chsh
common-account
common-password
common-session-noninteractive
cups
lightdm-autologin
login
other
polkit-1
runuser
samba
sudo
su-l
su-l
vttoolsd

cinnamon-screensaver
common-auth
common-session
cron
lightdm
lightdm-greeter
newusers
passwd
ppp
runuser-l
su
sudo-i
vttoolsd

pcmcia:
config.opts

perl:
net
XML

pki:
fwupd
fwupd-metadata

pm:
config.d
power.d
sleep.d

polkit-1:
localauthority
localauthority.conf.d

ppp:
chap-secrets
ip-down
ip-down.d
ip-pre-up
ip-pre-up.d
ip-up
ip-up.d
ipvt-down
ipvt-down.d
ipvt-up
ipvt-up.d
options
options.pptp
pap-secrets
peers
resolve

profile.d:
01-locale-fix.sh
bash-completion.sh
debuginfo.csh
debuginfo.sh
flatpak.sh
gawk.csh
gawk.sh
in-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

tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:/etc$ ls -p
adwaita-theme
brltty.conf
debconf
fprintd.conf
hdpam.conf
kernel-img.conf
libao.conf
ltrace.conf
nftables.conf
pm2ppa.conf
rsyslog.conf
sudo.logsrvd.conf
updatedb.conf
xattr.conf
apparmor.conf
ca-certificates.conf
deluser.conf
fuse.conf
inxi.conf
ld.so.conf
libaudit.conf
logrotate.conf
mtools.conf
pam.conf
request-key.conf
sensors3.conf
sysctl.conf
ucf.conf
xattr.conf
dconf:
db
groff:
man.local
mdoc.local
```

## 22. Jelenítse meg a /etc jegyzék azon fájljait, melyek első karaktere p, a harmadik s és d-re végződnek

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:/etc$ ls -p
adwaita-theme
brltty.conf
debconf
fprintd.conf
hdpam.conf
kernel-img.conf
libao.conf
ltrace.conf
nftables.conf
pm2ppa.conf
rsyslog.conf
sudo.logsrvd.conf
updatedb.conf
xattr.conf
apparmor.d:
abi
disables
local
nvidia
modprobe
tunables
usr.bin
redshift
usr.lib
libreoffice
program
oosplash
usr.lib
libreoffice
program
soffice
bin
usr.sbin
cups
browse
usr.sbin
rsyslogd
abstractions
lightdm-guest-session
lsb-release
sbin
dchlient
usr.bin
man
usr.bin
tcpdump
usr.lib
libreoffice
program
senddoc
usr.lib
libreoffice
program
xpdf
import
usr.sbin
cupsd

bash-completion.d:
apt-linux-mint

binfmt.d:

cron.d:
anacron
e2scrub.all
zfsutils-linux

degmod.d:
ubuntu.conf
vboxvideo-upstream.conf

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

fwupd:
daemon.conf
msr.conf
redfish.conf
remotes.d
thunderbolt.conf
uefi
capsule.conf

glvnd:
egl_vendor.d

grub.d:
00_header
05_debian_theme
10_linux
10_linux_efs
20_linux_xen
30_os-prober
30_uefi-firmware
35_fwupd
40_custom
41_custom
README

iPLUGd:
action.d

init.d:
acpid
apparmor
console-setup.sh
cryptdisks-early
dms
dms-clean
hwclock.sh
keyboard-setup.sh
lm-sensors
mintsystem
openvpn
procs
pulseaudio-enable-autospawn
samed
speech-dispatcher
ufw
uid
zfs-mount
zfs-import
zfs-zed
alsa-utils
avahi-daemon
cron
cups
cups-browsed
grub-common
kerneloops
lightdm
lvm2
lvm2-lvmpolld
open-va-tools
plymouth
plymouth-log
rsync
speech-dispatcher
udev
x11-common
zfs-share

ld.so.conf.d:
fakeroot-x86_64-linux-gnu.conf
libc.conf
x86_64-linux-gnu.conf

libpaper.d:
logrotate.d:
alternatives
apt
aptitude
bootlog
btm
cups-daemon
dpkg
lightdm
mintupdate
pm-utils
ppp
rsyslog
sane-utils
speech-dispatcher
ufw
vtmp

modprobe.d:
alsa-base.conf
blacklist-ath.conf
blacklist-firewire.conf
blacklist-modem.conf
blacklist-rare-network.conf
intel-microcode-blacklist.conf
amd64-microcode-blacklist.conf
blacklist.conf
blacklist-framebuffer.conf
blacklist-osa.conf
dms.conf
lwlwifi.conf

modules-load.d:
cups-filters.conf
modules.conf

pam.d:
chfn
chsh
common-account
common-password
common-session-noninteractive
cups
lightdm-autologin
login
other
polkit-1
runuser
samba
sudo
su-l
su-l
vttoolsd

pam.d:
chfn
chsh
common-account
common-password
common-session-noninteractive
cups
lightdm-autologin
login
other
polkit-1
runuser
samba
sudo
su-l
su-l
vttoolsd

pcmcia:
config.opts

perl:
net
XML

pki:
fwupd
fwupd-metadata

pm:
config.d
power.d
sleep.d

polkit-1:
localauthority
localauthority.conf.d

ppp:
chap-secrets
ip-down
ip-down.d
ip-pre-up
ip-pre-up.d
ip-up
ip-up.d
ipvt-down
ipvt-down.d
ipvt-up
ipvt-up.d
options
options.pptp
pap-secrets
peers
resolve

profile.d:
01-locale-fix.sh
bash-completion.sh
debuginfo.csh
debuginfo.sh
flatpak.sh
gawk.csh
gawk.sh
in-config.wayland.sh
vte-2.91.sh
vte.csh

profile.d:
01-locale-fix.sh
bash-completion.sh
debuginfo.csh
debuginfo.sh
flatpak.sh
gawk.csh
gawk.sh
in-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
```



```
rc0.d:
K01alsa-utils K01bluetooth K01cryptdisks K01irqbalance K01lightdm K01networking K01openvpn K01pulseaudio-enable-autospawn K01speech-dispatcher K01uidd K01zfs-mount K01zfs-red
K01avahi-daemon K01cryptdisks K01cups-browsed K01kerneloops K01vm2-lvmplld K01open-vn-tools K01plymouth K01saned K01udev K01zfs-import K01zfs-share

rc1.d:
K01alsa-utils K01bluetooth K01cups-browsed K01kerneloops K01vm2-lvmplld K01openvpn K01saned K01udev K01zfs-import K01zfs-share
K01avahi-daemon K01cryptdisks K01irqbalance K01lightdm K01open-vn-tools K01pulseaudio-enable-autospawn K01speech-dispatcher K01uidd K01zfs-mount K01zfs-zed

rc2.d:
K01speech-dispatcher S01macron S01bluetooth S01cron S01cups-browsed S01grub-common S01kerneloops S01vm2-lvmplld S01open-vn-tools S01plymouth S01rsync S01uidd S01zfs-share
S01acpid S01avahi-daemon S01console-setup.sh S01cups S01dbus S01irqbalance S01lightdm S01mintsystem S01openvpn S01pulseaudio-enable-autospawn S01saned S01zfs-mount S01zfs-zed

rc3.d:
K01speech-dispatcher S01macron S01bluetooth S01cron S01cups-browsed S01grub-common S01kerneloops S01vm2-lvmplld S01open-vn-tools S01plymouth S01rsync S01uidd S01zfs-share
S01acpid S01avahi-daemon S01console-setup.sh S01cups S01dbus S01irqbalance S01lightdm S01mintsystem S01openvpn S01pulseaudio-enable-autospawn S01saned S01zfs-mount S01zfs-zed

rc4.d:
K01speech-dispatcher S01macron S01bluetooth S01cron S01cups-browsed S01grub-common S01kerneloops S01vm2-lvmplld S01open-vn-tools S01plymouth S01rsync S01uidd S01zfs-share
S01acpid S01avahi-daemon S01console-setup.sh S01cups S01dbus S01irqbalance S01lightdm S01mintsystem S01openvpn S01pulseaudio-enable-autospawn S01saned S01zfs-mount S01zfs-zed

rc5.d:
K01speech-dispatcher S01macron S01bluetooth S01cron S01cups-browsed S01grub-common S01kerneloops S01vm2-lvmplld S01open-vn-tools S01plymouth S01rsync S01uidd S01zfs-share
S01acpid S01avahi-daemon S01console-setup.sh S01cups S01dbus S01irqbalance S01lightdm S01mintsystem S01openvpn S01pulseaudio-enable-autospawn S01saned S01zfs-mount S01zfs-zed

rc6.d:
K01alsa-utils K01bluetooth K01cryptdisks K01irqbalance K01lightdm K01networking K01openvpn K01pulseaudio-enable-autospawn K01speech-dispatcher K01uidd K01zfs-mount K01zfs-red
K01avahi-daemon K01cryptdisks K01cups-browsed K01kerneloops K01vm2-lvmplld K01open-vn-tools K01plymouth K01saned K01udev K01zfs-import K01zfs-share

rc5.d:
S01alsa-utils S01lapparmor S01cryptdisks S01cryptdisks-early S01dms-clean S01keyboard-setup.sh S01kmod S01le-sensors S01vm2 S01networking S01plymouth-log S01procs S01udev S01ufw S01x11-common S01zfs-import

request-key.d:
cifs.idmap.conf cifs.spnego.conf

rsyslog.d:
20-ufw.conf 50-default.conf

sane.d:
abaton.conf avision.conf canon_pp.conf dc240.conf epjitsu.conf genesys.conf hp.conf kvs1025.conf microtek2.conf net.conf plustek_pp.conf sceptre.conf stv680.conf u12.conf
agfafocus.conf bh.conf cardscan.conf dc25.conf epson.conf gphoto2.conf hpqj55.conf lea.conf microtek.conf p5.conf qcmm.conf sharp.conf tamarack.conf umax1220u.conf
airscan.conf canon630u.conf coolscan.conf dell1600u_net.conf epson.conf gfax.conf h3p.conf leamark.conf mustek.conf pie.conf ricoh.conf s3340.conf umax.conf
apple.conf canon.conf coolscan.conf dli.conf epsomds.conf hp3900.conf ibm.conf leamark.conf mustek_pp.conf plusb.conf rts8891.conf snapscan.conf tecol.conf umax_pp.conf
artec.conf canon_dr.conf coolscan.conf dli.d escl.conf hp4200.conf kodakia.conf magicolor.conf mustek_usb.conf pixma.conf s9836.conf sp15c.conf tecol2.conf umax_pp.conf
artec_m1648u.conf canon_lide70.conf dc20.conf dmc.conf fujiitsu.conf hp3400.conf kodak.conf matsushita.conf nec.conf plustek.conf saned.conf s1400.conf test.conf

sensors.d:

sudoers.d:
0pwfeedback mintdrivers mintupdate README zfs

sysctl.d:
10-console-messages.conf 10-ipv6-privacy.conf 10-kernel-hardening.conf 10-magic-sysrq.conf 10-network-security.conf 10-pttrace.conf 10-zerozap.conf 99-sysctl.conf README.sysctl

systemd:
coredump.conf journald.conf logind.conf networkd.conf pstore.conf resolved.conf sleep.conf systemd.conf.d timesyncd.conf userd.conf

thermald:
thermal-cpu-cdev-order.xml

thunderbird:
syspref.js

tmpfiles.d:

update-motd.d:
00-header 10-help-text 50-motd-news 85-fwupd

usb_modeswitch.d:
```

## 23. Jelenítse meg a home jegyzékének tartalmát a benne levő rejtett fájlokkal együtt!

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ cd /home
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls -a
. . . . .
tliz2ymolnarmark
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls
tliz2ymolnarmark
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ cd /home
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls -a
. . . . .
.bashrc .dirc .gkrccrce Pictures Templates
.cache Documents .lesshst .profile .vboxclient-clipboard-tyt7-control.pid .vboxclient-draganddrop-tyt7-service.pid .vboxclient-vmxga-session-tyt7-control.pid .xsession-errors
.bash_history .config Downloads .local Public .vboxclient-clipboard-tyt7-service.pid .vboxclient-seamless-tyt7-control.pid .vboxclient-vmxga-session-tyt7-service.pid .xsession-errors.old
.bash_logout Desktop .gkrccr-2.0 Music .sudo_as_admin_successful .vboxclient-draganddrop-tyt7-control.pid .vboxclient-seamless-tyt7-service.pid .xauthority
```

## 26. Jelenítse meg a rendszer összes fájlját és jegyzékét (hosszan fut)!

```
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ cd /
bash: cd: No such file or directory
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ cd /
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls
bin boot cdrom dev etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run/sbin srv swapfile sys usr var
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls -a
. . . . .
bin boot cdrom dev etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run/sbin srv swapfile sys usr var
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls
bin boot cdrom dev etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run/sbin srv swapfile sys usr var
tliz2ymolnarmark@tliz2ymolnarmark-VirtualBox:~$ ls -all
total 99444
drwxr-xr-x 19 root root 4096 Oct 3 21:32 .
drwxr-xr-x 19 root root 4096 Oct 3 21:32 ..
lrwxrwxrwx 1 root root 7 Oct 3 21:32 bin -> usr/bin
drwxr-xr-x 4 root root 4096 Oct 3 21:46 boot
drwxr-xr-x 2 root root 4096 Oct 3 21:32 cdrom
drwxr-xr-x 19 root root 4100 Oct 16 20:37 dev
drwxr-xr-x 143 root root 12288 Oct 3 21:46 etc
drwxr-xr-x 3 root root 4096 Oct 3 21:34 home
lrwxrwxrwx 1 root root 7 Oct 3 21:27 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Oct 3 21:27 lib32 -> usr/lib32
lrwxrwxrwx 1 root root 9 Oct 3 21:27 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 Oct 3 21:27 libx32 -> usr/libx32
drwxr-xr-x 2 root root 16384 Oct 3 21:27 lost+found
drwxr-xr-x 3 root root 4096 Oct 3 21:44 media
drwxr-xr-x 2 root root 4096 Jul 11 17:32 mnt
drwxr-xr-x 3 root root 4096 Oct 3 21:44 opt
dr-xr-xr-x 255 root root 0 Oct 10 20:36 proc
drwxr-xr-x 3 root root 4096 Oct 3 21:37 root
lrwxrwxrwx 1 root root 1800 Oct 10 20:36 run
drwxr-xr-x 2 root root 4096 Jul 11 17:32 srv
lrwxrwxrwx 1 root root 8 Oct 3 21:27/sbin -> usr/sbin
drwxr-xr-x 2 root root 4096 Jul 11 17:32 sys
lrwxrwxrwx 1 root root 1018224640 Oct 3 21:27 swapfile
dr-xr-xr-x 13 root root 0 Oct 10 20:36 sys
drwxrwxrwt 16 root root 4096 Oct 16 20:41 tmp
drwxr-xr-x 14 root root 4096 Jul 11 17:31 usr
drwxr-xr-x 11 root root 4096 Jul 11 18:38 var
```

## 27.Indítsa el a Midnight Commanert!

```

t1212ymolnarmark@t1212ymolnarmark-VirtualBox:/$ cd /home/t1212ymolnarmark/
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ Midnight Comanert
Midnight: command not found
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ run Midnight Comanert
Command 'run' not found, did you mean:
  command 'grun' from deb grun (0.9.3+git20200303-1)
  command 'zun' from deb python3-zunclient (4.4.0-0ubuntu1)
  command 'runc' from deb runc (1.1.7-0ubuntu1-2.04.1)
  command 'runcq' from deb cxl4-daemon-heavy (4.35-0ubuntu2.2)
  command 'runcq' from deb cxl4-daemon-light (4.35-0ubuntu2.2)
  command 'runcq' from deb sendmail-bin (8.15.2-2ubuntu3)
  command 'rn' from deb trn4 (4.0-test77-14)
  command 'srunc' from deb slurm-client (21.08.5-2ubuntu1)
  command 'zrun' from deb moreutils (0.66-1)
  command 'rup' from deb rstat-client (4.0-1.11)
  command 'crun' from deb crun (0.17-dfsg-1.1)
Try: sudo apt install -deb names
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ Midnight
Midnight: command not found
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ mc
Command 'mc' not found, but can be installed with:
sudo apt install mc
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ sudo apt install mc
[sudo] password for t1212ymolnarmark:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libssh2-1 mc-data
Suggested packages:
  arj catdvi texlive-binaries dbview djvulibre-bin epub-utils gv imagemagick libaspell-dev links | w3m | lynx python python-boto python-tzunar wintools
The following NEW packages will be installed:
  libssh2-1 mc mc-data
0 upgraded, 3 newly installed, 0 to remove and 198 not upgraded.
Need to get 2.084 kB of archives.
After this operation, 8.209 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 libssh2-1 amd64 1.10.0-3 [189 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy/universe amd64 mc-data all 3:4.8.27-1 [1,427 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy/universe amd64 mc amd64 3:4.8.27-1 [547 kB]
Fetched 2.084 kB in 1s (1,589 kB/s)
Selecting previously unselected package libssh2-1:amd64.
(Reading database ... 524240 files and directories currently installed.)
Preparing to unpack .../libssh2-1_1.10.0-3_amd64.deb ...
Unpacking libssh2-1:amd64 (1.10.0-3) ...
Selecting previously unselected package mc-data.
Preparing to unpack .../mc-data_3:4.8.27-1_all.deb ...
Unpacking mc-data (3:4.8.27-1) ...
Selecting previously unselected package mc.
Preparing to unpack .../mc_3:4.8.27-1_amd64.deb ...
Unpacking mc (3:4.8.27-1) ...
Setting up mc-data (3:4.8.27-1) ...
Setting up libssh2-1:amd64 (1.10.0-3) ...
Setting up mc (3:4.8.27-1) ...
update-alternatives: using /usr/bin/mcview to provide /usr/bin/view (view) in auto mode
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for mailcap (2.10-0ubuntu1) ...
Processing triggers for desktop-file-utils (0.26mint3victoria) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for doc-base (0.11.1) ...
Processing 1 added doc-base file...
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ mc
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ mc
$ q
/bin/bash: line 1: q: command not found
$ C-o
/bin/bash: line 1: C-o: command not found
$ c
/bin/bash: line 1: c: command not found
$ !
/bin/bash: -: line 1: unexpected EOF while looking for matching `{'
/bin/bash: -: line 2: syntax error: unexpected end of file
$ !0
/bin/bash: line 1: !0: command not found
$ man
What manual page do you want?
For example, try 'man man'.

```

```

t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~$

```

Linux Mint [Fut] - Oracle VM VirtualBox

Fajl Gép Nézet Bevetel Ezközök Segítség

| mc (t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~) |  |         |         |       |  |  |         |         |       |
|---|--|---------|---------|-------|--|--|---------|---------|-------|
| Left  | File   | Command | Options | Right | Left   | File   | Command | Options | Right |
| ..  | ..   |         |         |       | ..   | ..   |         |         |       |
| ./cache   | ./cache                                      |         |         |       | ./cache                                      | ./cache                                      |         |         |       |
| ./config  | ./config                                     |         |         |       | ./config                                     | ./config                                     |         |         |       |
| ./local   | ./local                                      |         |         |       | ./local                                      | ./local                                      |         |         |       |
| /Desktop  | /Desktop                                     |         |         |       | /Desktop                                     | /Desktop                                     |         |         |       |
| /Documents  | /Documents                                   |         |         |       | /Documents                                   | /Documents                                   |         |         |       |
| /Downloads  | /Downloads                                   |         |         |       | /Downloads                                   | /Downloads                                   |         |         |       |
| /Music  | /Music                                       |         |         |       | /Music                                       | /Music                                       |         |         |       |
| /Pictures   | /Pictures                                    |         |         |       | /Pictures                                    | /Pictures                                    |         |         |       |
| /Public   | /Public                                      |         |         |       | /Public                                      | /Public                                      |         |         |       |
| /Templates  | /Templates                                   |         |         |       | /Templates                                   | /Templates                                   |         |         |       |
| /Videos   | /Videos                                      |         |         |       | /Videos                                      | /Videos                                      |         |         |       |
| ./xauthority  | ./xauthority                                 |         |         |       | ./xauthority                                 | ./xauthority                                 |         |         |       |
| ./bash_history                                      | ./bash_history                               |         |         |       | ./bash_history                               | ./bash_history                               |         |         |       |
| ./bash_logout                                       | ./bash_logout                                |         |         |       | ./bash_logout                                | ./bash_logout                                |         |         |       |
| ./bashrc  | ./bashrc                                     |         |         |       | ./bashrc                                     | ./bashrc                                     |         |         |       |
| ./dirc  | ./dirc                                       |         |         |       | ./dirc                                       | ./dirc                                       |         |         |       |
| ./gtkrc-2.0   | ./gtkrc-2.0                                  |         |         |       | ./gtkrc-2.0                                  | ./gtkrc-2.0                                  |         |         |       |
| ./gtkrc-xfce  | ./gtkrc-xfce                                 |         |         |       | ./gtkrc-xfce                                 | ./gtkrc-xfce                                 |         |         |       |
| ./lessrc  | ./lessrc                                     |         |         |       | ./lessrc                                     | ./lessrc                                     |         |         |       |
| ./profile   | ./profile                                    |         |         |       | ./profile                                    | ./profile                                    |         |         |       |
| ./sudo_as_admin_successful                          | ./sudo_as_admin_successful                   |         |         |       | ./sudo_as_admin_successful                   | ./sudo_as_admin_successful                   |         |         |       |
| ./vboxclient-clipboard-tty7-control.pid             | ./vboxclient-clipboard-tty7-control.pid      |         |         |       | ./vboxclient-clipboard-tty7-control.pid      | ./vboxclient-clipboard-tty7-control.pid      |         |         |       |
| ./vboxclient-clipboard-tty7-service.pid             | ./vboxclient-clipboard-tty7-service.pid      |         |         |       | ./vboxclient-clipboard-tty7-service.pid      | ./vboxclient-clipboard-tty7-service.pid      |         |         |       |
| ./vboxclient-draganddrop-tty7-control.pid           | ./vboxclient-draganddrop-tty7-control.pid    |         |         |       | ./vboxclient-draganddrop-tty7-control.pid    | ./vboxclient-draganddrop-tty7-control.pid    |         |         |       |
| ./vboxclient-draganddrop-tty7-service.pid           | ./vboxclient-draganddrop-tty7-service.pid    |         |         |       | ./vboxclient-draganddrop-tty7-service.pid    | ./vboxclient-draganddrop-tty7-service.pid    |         |         |       |
| ./vboxclient-hostversion-tty7-control.pid           | ./vboxclient-hostversion-tty7-control.pid    |         |         |       | ./vboxclient-hostversion-tty7-control.pid    | ./vboxclient-hostversion-tty7-control.pid    |         |         |       |
| ./vboxclient-seamless-tty7-control.pid              | ./vboxclient-seamless-tty7-control.pid       |         |         |       | ./vboxclient-seamless-tty7-control.pid       | ./vboxclient-seamless-tty7-control.pid       |         |         |       |
| ./vboxclient-seamless-tty7-service.pid              | ./vboxclient-seamless-tty7-service.pid       |         |         |       | ./vboxclient-seamless-tty7-service.pid       | ./vboxclient-seamless-tty7-service.pid       |         |         |       |
| ./vboxclient-vmsvga-session-tty7-control.pid        | ./vboxclient-vmsvga-session-tty7-control.pid |         |         |       | ./vboxclient-vmsvga-session-tty7-control.pid | ./vboxclient-vmsvga-session-tty7-control.pid |         |         |       |
| ./vboxclient-vmsvga-session-tty7-service.pid        | ./vboxclient-vmsvga-session-tty7-service.pid |         |         |       | ./vboxclient-vmsvga-session-tty7-service.pid | ./vboxclient-vmsvga-session-tty7-service.pid |         |         |       |
| ./xsession-errors                                   | ./xsession-errors                            |         |         |       | ./xsession-errors                            | ./xsession-errors                            |         |         |       |
| ./xsession-errors.old                               | ./xsession-errors.old                        |         |         |       | ./xsession-errors.old                        | ./xsession-errors.old                        |         |         |       |

UP - DIR 9159M/20G (44%)

UP - DIR 9159M/20G (44%)

Hint: Want your plain shell? Press C-o, and get back to MC with C-o again.

t1212ymolnarmark@t1212ymolnarmark-VirtualBox:~\$

1:1 2:2 3:3 4:4 5:5 6:6 7:7 8:8 9:9 10:10

22:16

Right Control