# Számítógép architektúrák BSc

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# Készítette:

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Neptunkód: A3U8XV

Miskolc, 2023

# 1. feladat –

detra@Detra:~\$ pwd /home/detra

# **2. feladat** – így tovább

```
detra@Detra:~$ cd /
detra@Detra:/$
```

# 3. feladat

```
detra@Detra:/$ cd ~
detra@Detra:~$ |
```

# 4. feladat

```
detra@Detra:~$ cd /root/
-bash: cd: /root/: Permission denied
detra@Detra:~$ |
```

# 5. feladat

```
detra@Detra:~$ cd /etc
detra@Detra:/etc$
```

#### 6. feladat

```
detra@Detra:/etc$ cd ..
detra@Detra:/$
```

```
detra@Detra:/$ ls
bin dev home lib lib64 lost+found mnt proc run snap sys usr
boot etc init lib32 libx32 media opt root sbin srv tmp var
detra@Detra:/$
```

or remain				
detra@Detra:/\$ ls /etc				
PackageKit	dpkg	locale.gen	perl	subgid
X11	e2scrub.conf	localtime	pm	subgid-
adduser.conf	environment	logcheck	polkit-1	subuid
alternatives	ethertypes	login.defs	profile	subuid-
apparmor	fstab	logrotate.conf	profile.d	sudo.conf
apparmor.d	fuse.conf	logrotate.d	protocols	sudo_logsrvd.conf
apport	gai.conf	lsb-release	python3	sudoers
apt	groff	machine-id	python3.10	sudoers.d
bash.bashrc	group	magic		sysctl.conf
bash_completion	group-	magic.mime	rc1.d	sysctl.d
bash_completion.d	gshadow	manpath.config	rc2.d	systemd
bindresvport.blacklist	gshadow-	mime.types	rc3.d	terminfo
binfmt.d	gss	mke2fs.conf		timezone
byobu	hdparm.conf	modprobe.d		tmpfiles.d
ca-certificates	host.conf	modules		ubuntu-advantage
ca-certificates.conf	hostname	modules-load.d	rcS.d	ucf.conf
ca-certificates.conf.dpkg-old	hosts	mtab	resolv.conf	udev
console-setup	init.d	nanorc	rmt	ufw
cron.d	inputrc	netconfig	rpc	update-manager
cron.daily	iproute2	netplan	rsyslog.conf	update-motd.d
cron.hourly	issue	networkd-dispatcher	rsyslog.d	vim
cron.monthly	issue.net	networks	screenrc	vtrgb
cron.weekly	kernel	newt	security	wgetrc
crontab	ld.so.cache	nftables.conf	selinux	wsl.conf
dbus-1	ld.so.conf	nsswitch.conf	services	xattr.conf
debconf.conf	ld.so.conf.d	opt	shadow	xdg
debian_version	ldap	os-release	shadow-	zsh_command_not_found
default	legal	pam.conf	shells	
deluser.conf	libaudit.conf	pam.d	skel	
depmod.d	libnl-3	passwd	ssh	
dhcp	locale.alias	passwd-	ssl	
detra@Detra:/\$				

```
detra@Detra:/$ ls /var/log alternatives.log bootstrap.log dmesg dmesg.2.gz dpkg.log journal private ubuntu-advantage.log wtmp apt bmp dmesg.0 dmesg.3.gz faillog kern.log syslog unattended-upgrades auth.log dmesg.1.gz dmesg.4.gz installer lastlog ubuntu-advantage-timer.log ubuntu-advantage-timer.log upgrade-policy-changed.log
```

# 9. feladat

```
detra@Detra:/$ cd ~
detra@Detra:~$ mkdir Teszt
detra@Detra:~$ |
```

```
detra@Detra:~$ mkdir T1 T2
detra@Detra:~$
```

```
detra@Detra:~$ tree
  — T1
 __ T2
 — Teszt
   - matek
   - snap
    └─ tree
         __ common
         — current -> 18
9 directories, 0 files
detra@Detra:~$
```

```
detra@Detra:~$ mkdir -p Teszt/Unix/Linux/Debian
detra@Detra:~$
detra@Detra:~$ tree
  - T1
  – T2
   Teszt
    └─ Unix
       └─ Linux
        L— Debian
  - matek
 — snap
    L tree
        — 18
— common
        __ current -> 18
12 directories, 0 files
detra@Detra:~$
```

```
detra@Detra:~$ rm -Rf T1
detra@Detra:~$ tree

T2
Teszt
Unix
Linux
matek
snap
tree
18
common
current -> 18

10 directories, 0 files
detra@Detra:~$
```

```
detra@Detra:~$ ls -l /etc
total 720
drwxr-xr-x 2 root root
                            4096 May 1 23:35 PackageKit
drwxr-xr-x 4 root root
                                       1 23:35 X11
                             4096 May
-rw-r--r-- 1 root root
                             3028 May 1 23:35 adduser.conf
                            4096 May 1 23:35 alternatives
4096 May 1 23:35 apparmor
4096 May 1 23:35 apparmor.d
drwxr-xr-x 2 root root
drwxr-xr-x 3 root root
drwxr-xr-x 8 root root
drwxr-xr-x 3 root root
                            4096 May
                                       1 23:35 apport
drwxr-xr-x 8 root root
                             4096 May
                                      1 23:36 apt
-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 May 1 23:35 bash_completion.d
                            367 Dec 16 2020 bindresvport.blacklist
4096 Apr 7 2022 binfmt.d
-rw-r--r-- 1 root root
drwxr-xr-x 2 root root
drwxr-xr-x 2 root root
                             4096 May 1 23:35 byobu
                            4096 May 1 23:35 ca-certificates
5532 May 1 23:35 ca-certificates.conf
drwxr-xr-x 3 root root
-rw-r--r-- 1 root root
                                       1 23:35 ca-certificates.conf.dpkg-old
1 23:35 console-setup
-rw-r--r-- 1 root root
                             5529 May
drwxr-xr-x 2 root root
                            4096 May
                            4096 May
                                       1 23:35 cron.d
drwxr-xr-x 2 root root
drwxr-xr-x 2 root root
                             4096 May
                                       1 23:35 cron.daily
                                       1 23:35 cron.hourly
drwxr-xr-x 2 root root
                            4096 May
                            4096 May
                                       1 23:35 cron.monthly
1 23:35 cron.weekly
drwxr-xr-x 2 root root
drwxr-xr-x 2 root root
                            4096 May
                            1136 Mar 23 2022 crontab
-rw-r--r-- 1 root root
                            4096 May 1 23:35 dbus-1
drwxr-xr-x 4 root root
                             2969 Feb 20 2022 debconf.conf
-rw-r--r-- 1 root root
                             13 Aug 22 2021 debian_version
-rw-r--r-- 1 root root
drwxr-xr-x 2 root root
                            4096 May 1 23:35 default
-rw-r--r-- 1 root root
                             604 Sep 16 2018 deluser.conf
                             4096 May 1 23:35 depmod.d
drwxr-xr-x 2 root root
                            4096 May
                                       1 23:35 dhcp
drwxr-xr-x 4 root root
drwxr-xr-x 4 root root
                             4096 May 1 23:35 dpkg
-rw-r--r-- 1 root root
                             685 Jan 8 2022 e2scrub.conf
                            106 May 1 23:35 environment
1816 Dec 27 2019 ethertypes
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root
                             37 May 1 23:34 fstab
-rw-r--r-- 1 root root
                             694 Mar 23 2022 fuse.conf
-rw-r--r-- 1 root root
```

```
detra@Detra:~$ ls -l /etc/*.conf
-rw-r--r-- 1 root root 3028 May 1 23:35 /etc/adduser.conf
-rw-r--r-- 1 root root 5532 May 1 23:35 /etc/ca-certificates.conf
-rw-r--r-- 1 root root 2969 Feb 20
                                        2022 /etc/debconf.conf
2018 /etc/deluser.conf
-rw-r--r-- 1 root root 604 Sep 16
-rw-r--r-- 1 root root
                                        2022 /etc/e2scrub.conf
                           685 Jan 8
-rw-r--r-- 1 root root
                           694 Mar 23
                                         2022 /etc/fuse.conf
-rw-r--r-- 1 root root 2584 Feb 3
                                         2022 /etc/gai.conf
-rw-r--r-- 1 root root 4436 Dec 15
                                         2020 /etc/hdparm.conf
-rw-r--r-- 1 root root
                            92 Oct 15
                                         2021 /etc/host.conf
-rw-r--r-- 1 root root
                                         2020 /etc/ld.so.conf
                           34 Dec 16
                                         2022 /etc/libaudit.conf
2022 /etc/logrotate.conf
-rw-r--r-- 1 root root 191 Mar 17
-rw-r--r-- 1 root root
                           592 Jan 24
-rw-r--r-- 1 root root 744 Jan 8
                                        2022 /etc/mke2fs.conf
                                        2022 /etc/nftables.conf
-rwxr-xr-x 1 root root 228 Mar 23
                                     1 23:35 /etc/nsswitch.conf
-rw-r--r-- 1 root root
                           510 May
-rw-r--r-- 1 root root
                           552 Aug 12 2020 /etc/pam.conf
lrwxrwxrwx 1 root root 20 Oct 9 15:41 /etc/resolv.conf -> /mnt/wsl/resolv.conf
-rw-r--r-- 1 root root 1382 Dec 24 2021 /etc/rsyslog.conf
lrwxrwxrwx 1 root root
-rw-r--r-- 1 root root 4573 Feb 14
                                        2022 /etc/sudo.conf
-rw-r--r-- 1 root root 9390 Feb 14
                                         2022 /etc/sudo_logsrvd.conf
                                         2022 /etc/sysctl.conf
-rw-r--r-- 1 root root 2355 Feb 25
-rw-r--r-- 1 root root 1260 Jun 16
                                        2020 /etc/ucf.conf
                          21 Oct 6 14:09 /etc/wsl.conf
681 Mar 23 2022 /etc/xattr.conf
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root
detra@Detra:~$
```

```
detra@Detra:~$ ls -l /etc/p*
-rw-r--r-- 1 root root 552 Aug 12 2020 /etc/pam.conf
-rw-r--r-- 1 root root 1418 Oct 6 14:11 /etc/passwd
-rw-r--r-- 1 root root 1415 Oct 6 14:10 /etc/passwd-
-rw-r--r-- 1 root root 582 Oct 15 2021 /etc/profile
-rw-r--r-- 1 root root 2932 Apr 1 2013 /etc/protocols
```

#### 21. fealdat

```
detra@Detra:~$ ls -l /etc/*f
-rw-r--r-- 1 root root 3028 May 1 23:35 /etc/adduser.conf
-rw-r--r-- 1 root root 5532 May 1 23:35 /etc/ca-certificates.conf
-rw-r--r-- 1 root root 2969 Feb 20
                                       2022 /etc/debconf.conf
-rw-r--r-- 1 root root 604 Sep 16 2018 /etc/deluser.conf
-rw-r--r-- 1 root root
                          685 Jan 8
694 Mar 23
                                       2022 /etc/e2scrub.conf
                                        2022 /etc/fuse.conf
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root 2584 Feb 3
                                        2022 /etc/gai.conf
-rw-r--r-- 1 root root 4436 Dec 15
                                        2020 /etc/hdparm.conf
-rw-r--r-- 1
              root root
                           92 Oct 15
                                        2021 /etc/host.conf
-rw-r--r-- 1 root root
                                        2020 /etc/ld.so.conf
                           34 Dec 16
-rw-r--r-- 1 root root 191 Mar 17
-rw-r--r-- 1 root root 592 Jan 24
                                        2022 /etc/libaudit.conf
2022 /etc/logrotate.conf
-rw-r--r-- 1 root root 744 Jan 8
                                        2022 /etc/mke2fs.conf
-rwxr-xr-x 1 root root 228 Mar 23
-rw-r--r-- 1 root root 510 May 1
                                       2022 /etc/nftables.conf
                                   1 23:35 /etc/nsswitch.conf
-rw-r--r-- 1 root root 552 Aug 12 2020 /etc/pam.conf
                           20 Oct 9 15:41 /etc/resolv.conf -> /mnt/wsl/resolv.conf
lrwxrwxrwx 1 root root
-rw-r--r-- 1 root root 1382 Dec 24
                                       2021 /etc/rsyslog.conf
-rw-r--r-- 1 root root 4573 Feb 14
                                        2022 /etc/sudo.conf
                                        2022 /etc/sudo_logsrvd.conf
2022 /etc/sysctl.conf
-rw-r--r-- 1 root root 9390 Feb 14
-rw-r--r-- 1 root root 2355 Feb 25
-rw-r--r-- 1 root root 1260 Jun 16 2020 /etc/ucf.conf
-rw-r--r-- 1 root root
                          21 Oct 6 14:09 /etc/wsl.conf
-rw-r--r-- 1 root root 681 Mar 23 2022 /etc/xattr.conf
/etc/groff:
total 8
-rw-r--r-- 1 root root 1048 Mar 23 2022 man.local
-rw-r--r-- 1 root root 1042 Mar 23 2022 mdoc.local
detra@Detra:~$
```

#### 22. feladat

```
detra@Detra:~$ ls -l /etc/p?s*d
-rw-r--r-- 1 root root 1418 Oct 6 14:11 /etc/passwd
detra@Detra:~$ |
```

#### 23. feladat

```
detra@Detra:~$ ls -a
    . . .bash_history .bash_logout .bashrc .cache .motd_shown .profile .sudo_as_admin_successful T2 matek snap
detra@Detra:~$ |
```

```
detra@Detra:~$ ls -l /etc/?[an]*
-rw-r--r-- 1 root root 2319 Jan 6 2022 /etc/bash.bashrc
-rw-r--r-- 1 root root 45 Nov 11 2021 /etc/bash_completion
                          5532 May 1 23:35 /etc/ca-certificates.conf
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root 5529 May 1 23:35 /etc/ca-certificates.conf.dpkg-old
-rw-r--r-- 1 root root
                          106 May 1 23:35 /etc/environment
-rw-r--r-- 1 root root
                          2584 Feb 3 2022 /etc/gai.conf
-rw-r--r-- 1 root root
                          1748 Jan 6 2022 /etc/inputrc
33 Oct 6 14:10 /etc/machine-id
-r--r--r-- 1 root root
                           111 Mar 24
-rw-r--r-- 1 root root
                                       2022 /etc/magic
-rw-r--r-- 1 root root
                           111 Mar 24
                                        2022 /etc/magic.mime
-rw-r--r-- 1 root root
                         5217 Mar 17
                                        2022 /etc/manpath.config
-rw-r--r-- 1 root root 11204 Feb 9
                                        2022 /etc/nanorc
                           552 Aug 12
                                        2020 /etc/pam.conf
-rw-r--r-- 1 root root
-rw-r--r-- 1 root root
                          1418 Oct 6 14:11 /etc/passwd
rw-r--r-- 1 root root
                          1415 Oct 6 14:10 /etc/passwd-
                          681 Mar 23 2022 /etc/xattr.conf
-rw-r--r-- 1 root root
```

```
-l /etc/?[!an]*
root 3028 May 1 23:35 /etc/adduser.conf
root 367 Dec 16 2020 /etc/bindresvport.blacklist
root 1136 Mar 23 2022 /etc/crontab
root 2969 Feb 20 2022 /etc/debconf.conf
root 13 Aug 22 2021 /etc/debian_version
root 604 Sep 16 2018 /etc/deluser.conf
2 2022 /etc/e2scrub.conf
                  1 root root
-rw-r--r--
-rw-r--r--
                  1 root root
                     root root
                     root root
-rw-r--r--
                     root root
-rw-r--r--
                     root root
                                                                  2022 /etc/e2scrub.conf
2019 /etc/ethertypes
-rw-r--r--
                     root root
                                            1816 Dec 27
37 May 1
694 Mar 23
773 Oct 6
                                              316 Dec 27 2019 /etc/ethertypes
37 May 1 23:34 /etc/fstab
694 Mar 23 2022 /etc/fuse.conf
773 Oct 6 14:11 /etc/group
722 Oct 6 14:10 /etc/gshadow
598 Oct 6 14:10 /etc/gshadow
436 Dec 15 2020 /etc/hdparm.conf
92 Oct 15 2021 /etc/host.conf
6 Oct 9 15:41 /etc/hostname
396 Oct 9 15:41 /etc/hosts
-rw-r--r--
                     root root
                      root root
-rw-r--r--
                     root root
-rw-r--r--
                     root root
-rw-r--r--
                     root root
-rw-r----
                     root shadow
                      root shadow
                                              598 Oct
                                            4436 Dec 15
-rw-r--r--
                     root root
-rw-r--r--
                     root root
-rw-r--r--
                     root root
                                              396 Oct
                                                            9 15:41 /etc/hosts
-rw-r--r--
                     root root
                                                           16 2023 /etc/lissue
16 2023 /etc/issue.net
9 15:41 /etc/ld.so.cache
16 2020 /etc/ld.so.conf
                                          26 Feb 16
19 Feb 16
14359 Oct 9
                     root root
                     root root
 rw-r--r--
                     root root
                                               34 Dec 16
-rw-r--r--
                     root root
                                                            16 2020 /etc/ld.So.conf
15 2021 /etc/legal
17 2022 /etc/libaudit.conf
4 2022 /etc/locale.alias
1 23:35 /etc/locale.gen
9 15:41 /etc/localtime -> /usr/share/zoneinfo/Europe/Budapest
                                              267 Oct 15
191 Mar 17
-rw-r--r--
                     root root
                     root root
                                            2996 Mar
9458 May
                     root root
-rw-r--r--
                     root root
                                              35 Oct
lrwxrwxrwx
                     root root
                                          10734 Nov 11
                                                                  2021 /etc/login.defs
-rw-r--r--
                     root root
                                              592 Jan 24
104 Feb 16
                                                                  2022 /etc/logrotate.conf
2023 /etc/lsb-release
                     root root
                     root root
                                          72029 Mar 21
744 Jan 8
                                                                2022 /etc/mime.types
2022 /etc/mke2fs.conf
-rw-r--r--
                     root root
-rw-r--r--
                  1 root root
-rw-r--r--
                                              195 May
                                                             1 23:35 /etc/modules
                     root root
                                               19 May
                                                             1 23:35
                                                                          /etc/mtab ->
lrwxrwxrwx
                     root root
                                                                                                  ../proc/self/mounts
                                                                 2022 /etc/netconfic
2021 /etc/networks
                                              767 Mar 24
                                                                          /etc/netconfig
-rw-r--r--
                     root root
                                               91 Oct 15
-rw-r--r-- 1 root root
                                              228 Mar 23
-rwxr-xr-x 1 root root
                                                                  2022
                                              510 May
                                                            1 23:35 /etc/nsswitch.conf
-rw-r--r-- 1 root root
```

#### 26. Feladat

```
detra@Detra:~$ ls /*
```



