

# **Operációs rendszerek BSc**

## **3. Gyak.**

2022. 02. 23.

### **Készítette:**

Nagy Máté Bsc  
Szak Programtervező  
informatikus  
Neptunkód U3ROFS

**Miskolc, 2022**

# 1.feladat

## 1) létrehoztam a mappákat az mkdir parancsal

```
Activities Terminal febr 23 12:15
mate@mate-VirtualBox: ~/Desktop/USROFS/land

mate@mate-VirtualBox:~$ cd Desktop
mate@mate-VirtualBox:~/Desktop$ mkdir USROFS

Command 'mkdir' not found, did you mean:

  command 'mkdir' from deb coreutils (8.30-3ubuntu2)
  command 'mldr' from deb mblaze (0.0-1)

Try: sudo apt install <deb name>

mate@mate-VirtualBox:~/Desktop$ mkdir USROFS
mate@mate-VirtualBox:~/Desktop$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS$ mkdir bush
mate@mate-VirtualBox:~/Desktop/USROFS$ mkdir tree
mate@mate-VirtualBox:~/Desktop/USROFS$ mkdir land
mate@mate-VirtualBox:~/Desktop/USROFS$ cd bush
mate@mate-VirtualBox:~/Desktop/USROFS/bush$ mkdir banan
mate@mate-VirtualBox:~/Desktop/USROFS/bush$ mkdir mogyoro
mate@mate-VirtualBox:~/Desktop/USROFS/bush$ mkdir barach
mate@mate-VirtualBox:~/Desktop/USROFS/bush$ cd -
/home/mate/Desktop/USROFS
mate@mate-VirtualBox:~/Desktop/USROFS$ cd tree
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ mkdir korte
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd -

Command 'cd-' not found, did you mean:

  command 'cdl' from deb cdo (1.9.9-rc1-1)
  command 'cdw' from deb cdw (0.8.1-1build1)
  command 'cde' from deb cde (0.1+git9-g551e54d-1.1build1)
  command 'cdp' from deb lrpas (0.10-7)
  command 'cdo' from deb cdo (1.9.9-rc1-1)
  command 'cds' from deb cds (0.1-4)
  command 'cdb' from deb tinycdb (0.78build1)

Try: sudo apt install <deb name>

mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd -
/home/mate/Desktop/USROFS
mate@mate-VirtualBox:~/Desktop/USROFS$ cd land
mate@mate-VirtualBox:~/Desktop/USROFS/land$ mkdir szeder
mate@mate-VirtualBox:~/Desktop/USROFS/land$ mkdir kokusz
mate@mate-VirtualBox:~/Desktop/USROFS/land$
```

## A tree parancsal kilistáztam a mappákat

```
Activities Terminal febr 23 12:17
mate@mate-VirtualBox: ~/Desktop/USROFS

command 'cdl' from deb cdo (1.9.9-rc1-1)
command 'cdw' from deb cdw (0.8.1-1build1)
command 'cde' from deb cde (0.1+git9-g551e54d-1.1build1)
command 'cdp' from deb lrpas (0.10-7)
command 'cdo' from deb cdo (1.9.9-rc1-1)
command 'cds' from deb cds (0.1-4)
command 'cdb' from deb tinycdb (0.78build1)

Try: sudo apt install <deb name>

mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd -
/home/mate/Desktop/USROFS
mate@mate-VirtualBox:~/Desktop/USROFS$ cd land
mate@mate-VirtualBox:~/Desktop/USROFS/land$ mkdir szeder
mate@mate-VirtualBox:~/Desktop/USROFS/land$ mkdir kokusz
mate@mate-VirtualBox:~/Desktop/USROFS/land$ sudo apt-get install tree
[sudo] password for mate:
E: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 3704 (unattended-upgr)
N: Be aware that removing the lock file is not a solution and may break your system.
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), is another process using it?
mate@mate-VirtualBox:~/Desktop/USROFS/land$ cd -
/home/mate/Desktop/USROFS
mate@mate-VirtualBox:~/Desktop/USROFS$ tree -s
Command 'tree' not found, but can be installed with:

sudo snap install tree # version 1.8.0+pkg-3fd6, or
sudo apt install tree # version 1.8.0-1

See 'snap info tree' for additional versions.

mate@mate-VirtualBox:~/Desktop/USROFS$ sudo snap install tree
Download snap "tree" (18) from channel "stable"
Download snap "tree" (18) from channel "stable"
ron channel Download snap "tree" (18) from channel "stable"
tree 1.8.0+pkg-3fd6 from 888ren, (lin) (brlin) installed
mate@mate-VirtualBox:~/Desktop/USROFS$ tree -d
locales-launch: Data of en_US locale not found, generating, please wait...
locales-launch: Data of hu_HU locale not found, generating, please wait...

bush
├── banan
├── barach
├── mogyoro
├── land
├── kokusz
├── szeder
├── tree
└── korte

9 directories
mate@mate-VirtualBox:~/Desktop/USROFS$
```

## 2) A mappákat a cp -r paranccsal másoltam

```
Activities Terminal febr 23 12:23
mate@mate-VirtualBox: ~/Desktop/USROFS

Try: sudo apt install <deb name>

mate@mate-VirtualBox:~/Desktop/USROFS$ tree -s
/home/mate/Desktop/USROFS
mate@mate-VirtualBox:~/Desktop/USROFS$ cd land
mate@mate-VirtualBox:~/Desktop/USROFS/land$ mkdir szeder
mate@mate-VirtualBox:~/Desktop/USROFS/land$ mkdir kokusz
mate@mate-VirtualBox:~/Desktop/USROFS/land$ sudo apt-get install tree
[sudo] password for mate:
E: Could not get lock /var/lib/dpkg/lock-frontent. It is held by process 3764 (unattended-upgr)
W: Be aware that removing the lock file is not a solution and may break your system.
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), is another process using it?
mate@mate-VirtualBox:~/Desktop/USROFS/land$ cd -
/home/mate/Desktop/USROFS
mate@mate-VirtualBox:~/Desktop/USROFS$ tree -s
Command 'tree' not found, but can be installed with:

sudo snap install tree # version 1.8.0+pkg-3fd6, or
sudo apt install tree # version 1.8.0-1

See 'snap info tree' for additional versions.

mate@mate-VirtualBox:~/Desktop/USROFS$ sudo snap install tree
Download snap "tree" (18) from channel "stable"
Download snap "tree" (18) from channel "stable"
from channel Download snap "tree" (18) from channel "stable"
tree 1.8.0+pkg-3fd6 from 林博仁 (Buo-ren, Lin) (brlin) installed
mate@mate-VirtualBox:~/Desktop/USROFS$ tree -s
locales-launch: data of en_US locale not found, generating, please wait...
locales-launch: data of hu_HU locale not found, generating, please wait...

├── bush
│   ├── banan
│   ├── barack
│   └──ogyoro
├── land
│   ├── kokusz
│   └── szeder
└── tree
    └── korte

9 directories
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder /tree/
cp: cannot stat '/land/szeder': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder/ /tree/
cp: cannot stat '/land/szeder/': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder tree
cp: cannot stat '/land/szeder': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r land/szeder tree
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r bush/banan tree
mate@mate-VirtualBox:~/Desktop/USROFS$
```

## 3) Áthelyeztem a mappákat a move paranccsal

```
Activities Terminal febr 23 12:27
mate@mate-VirtualBox: ~/Desktop/USROFS

mate@mate-VirtualBox:~/Desktop/USROFS$ tree -s
Command 'tree' not found, but can be installed with:

sudo snap install tree # version 1.8.0+pkg-3fd6, or
sudo apt install tree # version 1.8.0-1

See 'snap info tree' for additional versions.

mate@mate-VirtualBox:~/Desktop/USROFS$ sudo snap install tree
Download snap "tree" (18) from channel "stable"
Download snap "tree" (18) from channel "stable"
from channel Download snap "tree" (18) from channel "stable"
tree 1.8.0+pkg-3fd6 from 林博仁 (Buo-ren, Lin) (brlin) installed
mate@mate-VirtualBox:~/Desktop/USROFS$ tree -s
locales-launch: data of en_US locale not found, generating, please wait...
locales-launch: data of hu_HU locale not found, generating, please wait...

├── bush
│   ├── banan
│   ├── barack
│   └──ogyoro
├── land
│   ├── kokusz
│   └── szeder
└── tree
    └── korte

9 directories
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder /tree/
cp: cannot stat '/land/szeder': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder/ /tree/
cp: cannot stat '/land/szeder/': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder tree
cp: cannot stat '/land/szeder': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r land/szeder tree
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r bush/banan tree
mate@mate-VirtualBox:~/Desktop/USROFS$ mv -r bush/barack tree
mv: invalid option -- '-r'
Try 'mv --help' for more information.
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree
mv: cannot stat 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree/
mv: cannot stat 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ mv -s bush/barack tree/
mv: invalid option -- '-s'
Try 'mv --help' for more information.
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree
mv: cannot stat 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/banan tree
mate@mate-VirtualBox:~/Desktop/USROFS$
```

## 4)Az rmdir parancsal töröltem a mappákat

```
Activities Terminal febr 23 12:30
mate@mate-VirtualBox: ~/Desktop/USROFS

sudo snap install tree # version 1.8.0+pkg-3fd6, or
sudo apt install tree # version 1.8.0-1

See 'snap info tree' for additional versions.

mate@mate-VirtualBox:~/Desktop/USROFS$ sudo snap install tree
Download snap "tree" (18) from channel "stable"
Download snap "tree" (18) from channel "stable"
ron channel Download snap "tree" (18) from channel "stable"
tree 1.8.0+pkg-3fd6 from 林博仁 (buo-ren, Lin) (brlin) installed
mate@mate-VirtualBox:~/Desktop/USROFS$ tree -d
locales-launch: Data of en_US locale not found, generating, please wait...
locales-launch: Data of hu_HU locale not found, generating, please wait...
.
├── bush
│   ├── banan
│   ├── barack
│   └── moggyoro
├── land
│   ├── kokusz
│   └── szeder
├── tree
│   └── korte
└── directories

mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder /tree/
cp: cannot stat '/land/szeder': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder/ /tree/
cp: cannot stat '/land/szeder/': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r /land/szeder tree
cp: cannot stat '/land/szeder': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r land/szeder tree
mate@mate-VirtualBox:~/Desktop/USROFS$ cp -r bush/banan tree
mate@mate-VirtualBox:~/Desktop/USROFS$ mv -r bush/barack tree
mv: invalid option -- 'r'
Try 'mv --help' for more information.
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree
mv: cannot stat 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree/
mv: cannot stat 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ mv -s bush/barack tree/
mv: invalid option -- 's'
Try 'mv --help' for more information.
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree
mv: cannot stat 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/barack tree
mate@mate-VirtualBox:~/Desktop/USROFS$ mv bush/banan tree
mate@mate-VirtualBox:~/Desktop/USROFS$ rmdir bush/barack
rmdir: failed to remove 'bush/barack': No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS$ rmdir bush/barack
mate@mate-VirtualBox:~/Desktop/USROFS$ rmdir land/kokusz
mate@mate-VirtualBox:~/Desktop/USROFS$ rmdir land/kokusz
mate@mate-VirtualBox:~/Desktop/USROFS$
```

## 5)Az >> segítségével írtam a fájllokba

```
Activities Terminal febr 23 12:38
mate@mate-VirtualBox: ~/Desktop/USROFS/tree

mate@mate-VirtualBox:~/Desktop/USROFS/bush/banan$ cd --
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd Desktop
bash: cd: Desktop: No such file or directory
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd Desktop
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd tree
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo alna > listing.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd -
Command 'cd-' not found, did you mean:
  command 'cde' from deb cde (0.1+git9-g551e54d-1.1build1)
  command 'cdp' from deb lrpas (0.10-7)
  command 'cdi' from deb cdi (1.9.9-rc1-1)
  command 'cdo' from deb cdo (1.9.9-rc1-1)
  command 'cdw' from deb cdw (0.8.1-1build4)
  command 'cde' from deb cde (0.1-4)
  command 'cdb' from deb tlnycdb (0.78build1)
Try: sudo apt install <deb name>

mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd --
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd Desktop
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd bush
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd bush/banan/
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo alna > alna
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo piros > piros
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo kerek > kerek
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo alna > description.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo kerek > description.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo kerek >> description.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo piros >> description.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd -
/home/mate/Desktop/USROFS/tree$ cd -
/home/mate/Desktop/USROFS/tree$ cd Desktop
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd Desktop
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd tree
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo alna >> listing.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo banan >> listing.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo korte >> listing.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo makk >> listing.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ echo valamiigyo >> listing.txt
mate@mate-VirtualBox:~/Desktop/USROFS/tree$
```

## 6.)Az ls parancsal listáztam a mappákat

```
mate@mate-VirtualBox: ~/Desktop/USROFS$ cd USROFS/
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ cd tree
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ echo alna >> listing.txt
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ echo banan >> listing.txt
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ echo korte >> listing.txt
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ echo nakk >> listing.txt
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ echo valami bogyo >> listing.txt
mate@mate-VirtualBox: ~/Desktop/USROFS/tree$ cd -
/home/mate/Desktop/USROFS
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -s
total 12
4 bush 4 land 4 tree
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls
bush land tree
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -l
total 12
drwxrwxr-x 4 mate mate 4096 febr 23 12:32 bush
drwxrwxr-x 3 mate mate 4096 febr 23 12:30 land
drwxrwxr-x 6 mate mate 4096 febr 23 12:34 tree
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -r
tree land bush
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -e
ls: invalid option -- 'e'
Try 'ls --help' for more information.
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -R
.:
bush land tree
./bush:
banan mogyoro
./bush/banan:
description.txt
./bush/mogyoro:
./land:
szeder
./land/szeder:
./tree:
banan barack korte listing.txt szeder
./tree/banan:
./tree/barack:
./tree/korte:
./tree/szeder:
mate@mate-VirtualBox: ~/Desktop/USROFS$
```

## 7)Listáztam az összes olyan elemet amelynek második betűje „e”

```
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -l
total 12
drwxrwxr-x 4 mate mate 4096 febr 23 12:32 bush
drwxrwxr-x 3 mate mate 4096 febr 23 12:30 land
drwxrwxr-x 6 mate mate 4096 febr 23 12:34 tree
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -r
tree land bush
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -e
ls: invalid option -- 'e'
Try 'ls --help' for more information.
mate@mate-VirtualBox: ~/Desktop/USROFS$ ls -R
.:
bush land tree
./bush:
banan mogyoro
./bush/banan:
description.txt
./bush/mogyoro:
./land:
szeder
./land/szeder:
./tree:
banan barack korte listing.txt szeder
./tree/banan:
./tree/barack:
./tree/korte:
./tree/szeder:
mate@mate-VirtualBox: ~/Desktop/USROFS$ cd ..
mate@mate-VirtualBox: $ ls "ze*" -printf
ls: cannot access 'ze*': No such file or directory
mate@mate-VirtualBox: $ ls ze* -printf
Desktop:
670782 USROFS/ 1458886 'PDF.js viewer.pdf' 670192 ../
670192 OS_C/ 661034 ./
repos:
809422 .git/ 806062 USROFSosGyak/ 806059 ./ 670192 ../
Templates:
661036 ./ 670192 ../
mate@mate-VirtualBox: $
```

## 8)Olvashatóvá tettem a listing txt fájlt

```
Activities Terminal febr 23 12:46
mate@mate-VirtualBox: ~/Desktop/USROFS/tree

ls: invalid option -- 'e'
Try 'ls --help' for more information.
mate@mate-VirtualBox:~/Desktop/USROFS$ ls -R
.:
bush land tree

./bush:
banan nogyoro

./bush/banan:
description.txt

./bush/nogyoro:

./land:
szeder

./land/szeder:

./tree:
banan barack korte listing.txt szeder

./tree/banan:

./tree/barack:

./tree/korte:

./tree/szeder:
mate@mate-VirtualBox:~/Desktop/USROFS$ cd ..
mate@mate-VirtualBox:~/Desktop$ ls "7e*" -printf
ls: cannot access '7e*': No such file or directory
mate@mate-VirtualBox:~/Desktop$ ls "7e" -printf
Desktop:
670782 USROFS/ 1458886 'PDF.js viewer.pdf' 670192 ../
670152 OS_C/ 661034 ./

repos:
809422 .git/ 806062 USROFS0sGyak/ 806059 ./ 670192 ../

Templates:
661036 ./ 670192 ../
mate@mate-VirtualBox:~/Desktop$ cd Desktop
mate@mate-VirtualBox:~/Desktop$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/USROFS$ cd tree
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ ls
banan barack korte listing.txt szeder
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ sudo chmod u+r listing.txt
[sudo] password for mate:
mate@mate-VirtualBox:~/Desktop/USROFS/tree$
```

## 9) A dh parancsal kiírtam hogy mennyi helyet foglal a mappa

```
Activities Terminal febr 23 12:48
mate@mate-VirtualBox: ~/Desktop/USROFS

./land/szeder:

./tree:
banan barack korte listing.txt szeder

./tree/banan:

./tree/barack:

./tree/korte:

./tree/szeder:
mate@mate-VirtualBox:~/Desktop/USROFS$ cd ..
mate@mate-VirtualBox:~/Desktop$ ls "7e*" -printf
ls: cannot access '7e*': No such file or directory
mate@mate-VirtualBox:~/Desktop$ ls "7e" -printf
Desktop:
670782 USROFS/ 1458886 'PDF.js viewer.pdf' 670192 ../
670152 OS_C/ 661034 ./

repos:
809422 .git/ 806062 USROFS0sGyak/ 806059 ./ 670192 ../

Templates:
661036 ./ 670192 ../
mate@mate-VirtualBox:~/Desktop$ cd Desktop
mate@mate-VirtualBox:~/Desktop$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/USROFS$ cd tree
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ ls
banan barack korte listing.txt szeder
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ sudo chmod u+r listing.txt
[sudo] password for mate:
mate@mate-VirtualBox:~/Desktop/USROFS/tree$ cd ..
mate@mate-VirtualBox:~/Desktop$ cd Desktop/
mate@mate-VirtualBox:~/Desktop$ cd USROFS/
mate@mate-VirtualBox:~/Desktop/USROFS$ du
4      ./tree/szeder
4      ./tree/barack
4      ./tree/banan
4      ./tree/korte
24     ./tree
4      ./land/szeder
8      ./land
4      ./bush/nogyoro
8      ./bush/banan
16     ./bush
52K    .
mate@mate-VirtualBox:~/Desktop/USROFS$ du -sh
52K    .
mate@mate-VirtualBox:~/Desktop/USROFS$
```

## 10) A sort parancsal abc sorrendbe kiírttam az elemekt

```
Activities Terminal febr 23 12:50
mate@mate-VirtualBox: ~/Desktop/U3ROFS/tree

661036 ./ 670192 ../
mate@mate-VirtualBox:~/Desktop$ cd U3ROFS/
mate@mate-VirtualBox:~/Desktop/U3ROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd tree
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$ ls
banan barack korte listing.txt szeder
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$ sudo chmod u+r listing.txt
[sudo] password for mate:
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$ cd ..
mate@mate-VirtualBox:~/Desktop$ cd U3ROFS/
mate@mate-VirtualBox:~/Desktop/U3ROFS$ du
4 ./tree/szeder
4 ./tree/barack
4 ./tree/banan
4 ./tree/korte
24 ./tree
4 ./land/szeder
8 ./land
8 ./bush/mogyoro
8 ./bush/banan
16 ./bush
52 .
mate@mate-VirtualBox:~/Desktop/U3ROFS$ du -sh
52K .
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd ls
bash: cd: ls: No such file or directory
mate@mate-VirtualBox:~/Desktop/U3ROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd bush
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush$ ls
banan mogyoro
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush$ cd -
/home/mate/Desktop/U3ROFS
mate@mate-VirtualBox:~/Desktop/U3ROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd land
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ ls
szeder
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ cd -
/home/mate/Desktop/U3ROFS
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd tree
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$ sort listing.txt
alna
banan
korte
nakk
valamibogyó
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$
```

## 11) A wc parancsal megszámoltam hány szó van a .txt fájlba

```
Activities Terminal febr 23 12:53
mate@mate-VirtualBox: ~/Desktop/U3ROFS/bush/banan

4 ./tree/barack
4 ./tree/banan
4 ./tree/korte
24 ./tree
4 ./land/szeder
8 ./land
8 ./bush/mogyoro
8 ./bush/banan
16 ./bush
52 .
mate@mate-VirtualBox:~/Desktop/U3ROFS$ du -sh
52K .
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd ls
bash: cd: ls: No such file or directory
mate@mate-VirtualBox:~/Desktop/U3ROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd bush
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush$ ls
banan mogyoro
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush$ cd -
/home/mate/Desktop/U3ROFS
mate@mate-VirtualBox:~/Desktop/U3ROFS$ ls
bush land tree
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd land
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ ls
szeder
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ cd -
/home/mate/Desktop/U3ROFS
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd tree
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$ sort listing.txt
alna
banan
korte
nakk
valamibogyó
mate@mate-VirtualBox:~/Desktop/U3ROFS/tree$ cd -
/home/mate/Desktop/U3ROFS
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd land
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ ls -s
total 4
4 szeder
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ ls -l
total 4
drwxr-xr-x 2 mate mate 4096 febr 23 12:14 szeder
mate@mate-VirtualBox:~/Desktop/U3ROFS/land$ cd -
/home/mate/Desktop/U3ROFS
mate@mate-VirtualBox:~/Desktop/U3ROFS$ cd bush
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush$ cd banan
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush/banan$ wc description.txt
3 3 17 descript files tt
mate@mate-VirtualBox:~/Desktop/U3ROFS/bush/banan$
```

