

# **Operációs rendszerek BSc**

**3. Gyak.**

**2022. 02. 22.**

**Készítette:**

Dávid Rebeka

Programtervező informatikus

EQ4B3D

## A) Feladat

1.

```
davidrebeka@davidrebeka-VirtualBox:~$ cd Homework
davidrebeka@davidrebeka-VirtualBox:~/Homework$ mkdir EQ4B3D
davidrebeka@davidrebeka-VirtualBox:~/Homework$ cd EQ4B3D/
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ mkdir bush
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ mkdir tree
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ mkdir land
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ cd bush
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/bush$ mkdir banan
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/bush$ mkdir mogyoro
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/bush$ mkdir barack
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/bush$ cd ..
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ cd tree
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/tree$ mkdir korte
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/tree$ cd ..
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ cd land
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/land$ mkdir szeder
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/land$ mkdir kokusz
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D/land$ cd ..
davidrebeka@davidrebeka-VirtualBox:~/Homework/EQ4B3D$ cd ..
davidrebeka@davidrebeka-VirtualBox:~/Homework$ tree -d
```

```
└─ EQ4B3D
   ├── bush
   │   ├── banan
   │   ├── barack
   │   └── mogyoro
   ├── land
   │   ├── kokusz
   │   └── szeder
   └── tree
       └── korte
```

10 directories  
davidrebeka@davidrebeka-VirtualBox:~/Homework\$

2.

```
davidrebeka@davidrebeka-VirtualBox:~/Homework$ cp -r EQ4B3D/land/szeder EQ4B3D/tree
davidrebeka@davidrebeka-VirtualBox:~/Homework$ tree -d
```

```
└─ EQ4B3D
   ├── bush
   │   ├── banan
   │   ├── barack
   │   └── mogyoro
   ├── land
   │   ├── kokusz
   │   └── szeder
   └── tree
       ├── korte
       └── szeder
```

11 directories  
davidrebeka@davidrebeka-VirtualBox:~/Homework\$

```
davidrebeka@davidrebeka-VirtualBox:~/Homework$ cp -r EQ4B3D/bush/banan EQ4B3D/tree
davidrebeka@davidrebeka-VirtualBox:~/Homework$ tree -d
```

```
└─ EQ4B3D
   ├── bush
   │   ├── banan
   │   ├── barack
   │   └── mogyoro
   ├── land
   │   ├── kokusz
   │   └── szeder
   └── tree
       ├── banan
       ├── korte
       └── szeder
```

12 directories  
davidrebeka@davidrebeka-VirtualBox:~/Homework\$

3.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework$ mv -b EQ4B3D/bush/barack EQ4B3D/tree
davidrebeke@davidrebeke-VirtualBox:~/Homework$ mv -b EQ4B3D/land/kokusz EQ4B3D/tree
davidrebeke@davidrebeke-VirtualBox:~/Homework$ tree -d
.
├── EQ4B3D
│   ├── bush
│   │   ├── banan
│   │   └── mogyoro
│   ├── land
│   │   └── szeder
│   └── tree
│       ├── banan
│       ├── barack
│       ├── kokusz
│       ├── korte
│       └── szeder
└── 12 directories
davidrebeke@davidrebeke-VirtualBox:~/Homework$
```

4.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework$ rm -r EQ4B3D/land
davidrebeke@davidrebeke-VirtualBox:~/Homework$ tree -d
.
├── EQ4B3D
│   ├── bush
│   │   ├── banan
│   │   └── mogyoro
│   └── tree
│       ├── banan
│       ├── barack
│       ├── kokusz
│       ├── korte
│       └── szeder
└── 10 directories
davidrebeke@davidrebeke-VirtualBox:~/Homework$
```

5.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework$ cd EQ4B3D
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D$ cd bush
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush$ cd banan
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush/banan$ cat > description.txt
A málna piros.
A málna finom.
A málna szőrös.
^Z
[2]+  Megállítva                  cat > description.txt
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush/banan$ cd -ú..
bash: cd: -ú: érvénytelen kapcsoló
cd: használat: cd [-L|[-P [-e]] [-@]] [ktár]
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush/banan$ cd ..
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush$ cd ..
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D$ cd tree
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$ cat > listing.txt
Alma
Körte
Kókusz
Őszibarack
Szilva
^Z
[3]+  Megállítva                  cat > listing.txt
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$
```

6.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework$ ls -R
.:
EQ4B3D

./EQ4B3D:
bush tree

./EQ4B3D/bush:
banan mogyoro

./EQ4B3D/bush/banan:
description.txt

./EQ4B3D/bush/mogyoro:

./EQ4B3D/tree:
banan barack kokusz korte listing.txt szeder

./EQ4B3D/tree/banan:

./EQ4B3D/tree/barack:

./EQ4B3D/tree/kokusz:

./EQ4B3D/tree/korte:

./EQ4B3D/tree/szeder:
davidrebeke@davidrebeke-VirtualBox:~/Homework$
```

7.

8.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$ chmod 764 listing.txt
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$ ls -l
összesen 24
drwxrwxr-x 2 davidrebeke davidrebeke 4096 febr 22 15:49 banan
drwxrwxr-x 2 davidrebeke davidrebeke 4096 febr 22 15:43 barack
drwxrwxr-x 2 davidrebeke davidrebeke 4096 febr 22 15:43 kokusz
drwxrwxr-x 2 davidrebeke davidrebeke 4096 febr 22 15:43 korte
-rwxrw-r-- 1 davidrebeke davidrebeke 39 febr 22 15:55 listing.txt
drwxrwxr-x 2 davidrebeke davidrebeke 4096 febr 22 15:48 szeder
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$
```

9.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework$ du -hs
52K .
davidrebeke@davidrebeke-VirtualBox:~/Homework$
```

10.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$ sort listing.txt
Alma
Kókusz
Körte
Őszibarack
Szilva
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/tree$
```

11.

```
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush/banan$ wc -w descripti
on.txt
9 description.txt
davidrebeke@davidrebeke-VirtualBox:~/Homework/EQ4B3D/bush/banan$
```

## B) Feladat

The screenshot shows a Linux Mint desktop environment with the GtksStressTesting application open. The application displays system information for an AMD Ryzen 7 5800H processor. The CPU usage section shows three cores with varying loads. The memory usage section shows a total of 4.32 GiB and 2.3 GiB available. The cache section shows L1, L2, and L3 cache details. The motherboard section shows the vendor as Oracle Corporation and the model as VirtualBox. The memory section shows the size, speed, and rank of the memory modules. The desktop background is Linux Mint [Fut] - Oracle VM VirtualBox. The taskbar at the bottom shows various application icons and the system clock.