Operációs rendszerek BSc

1. Gyak.

2022. 02. 16.

Készítette:

Szelényi Szabolcs Bsc

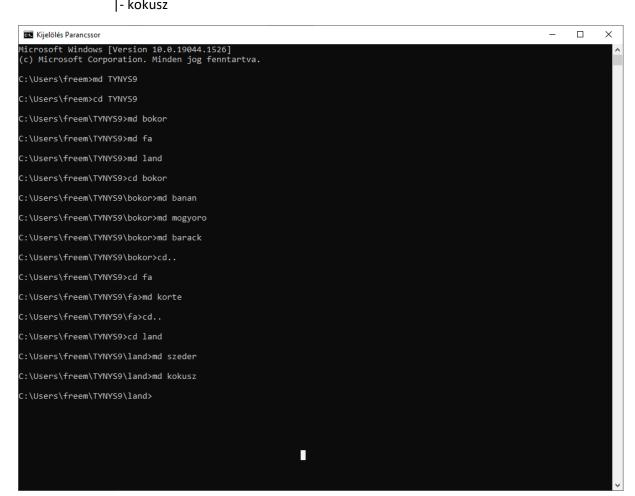
Mérnökinformatikus hallgató

TYNYS9

- 1. Készítse el a következő feladatokat! Az elvégzett feladatokról készítsen (a.)-j.)-ig.) képernyőképet, majd illessze be a jegyzőkönyvbe.
- a.) Hozza létre a következő mappa szerkezetet!

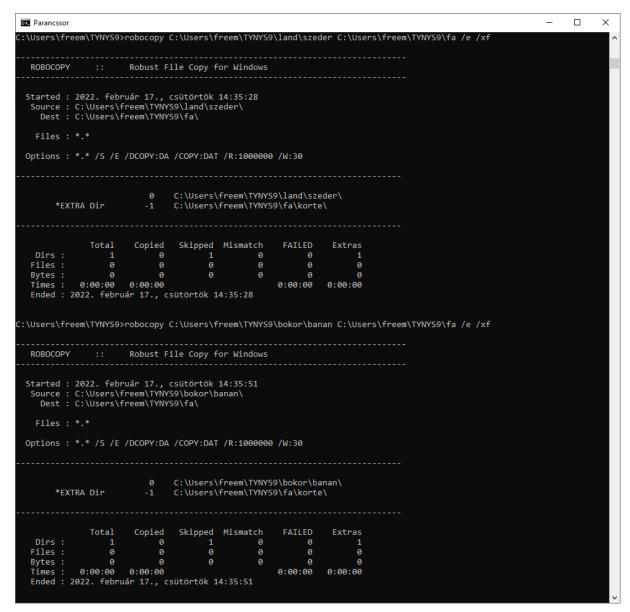
neptunkod

- bokor	
I	- banan
I	- mogyoro
I	- barack
- fa	
 -la	- korte nd
	- szeder
	Lkokucz



b.) Készítsen másolatot:

- a neptunkod/ land/szeder katalógusról a neptunkod/fa katalógusba
- a neptunkod /bokor/banan katalógusról a neptunkod /fa katalógusba



- c.) Végezze el a következő áthelyezéseket:
 - a neptunkod /bokor/barack katalógust helyezze át a neptunkod /fa katalógusba
 - a neptunkod /land /kokusz katalógust helyezze át a neptunkod/fa katalógusba

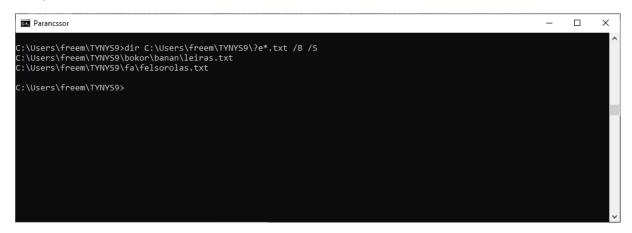
- d.) Törölje a neptunkod/land katalógust a teljes tartalmával. Hozza létre a következő szöveges állományokat:
 - neptunkod/bokor/banan/ leiras.txt
 - neptunkod/tree/felsorolas.txt
- e.) A leiras.txt szöveges állományba írjon 3 sort a barackról. A felsorolas szöveges állományba soroljon fel legalább 5 csoporttársa nevét.

```
Parancssor
                                                                                                                                          ×
 :\Users\freem\TYNYS9>del C:\Users\freem\TYNYS9\land
:\Users\freem\TYNYS9\land\*, Are you sure (Y/N)? y
 :\Users\freem\TYNYS9>copycon C:\Users\freem\TYNYS9\bokor\banan\leiras.txt
'copycon' is not recognized as an internal or external command, operable program or batch file.
 ::\Users\freem\TYNYS9>copy con C:\Users\freem\TYNYS9\bokor\banan\leiras.txt
sárga
magvas
finom do
         1 file(s) copied.
::\Users\freem\TYNYS9>copy con C:\Users\freem\TYNYS9\fa\felsorolas.txt
Bazsi
Danda
Tetya
         1 file(s) copied.
 :\Users\freem\TYNYS9>
```

f.) Listázza a neptunkod mappa tartalmát úgy, hogy megjelenjen az almappák tartalma is.

```
C:\Users\freem\TYNYS9>dir /b /s
C:\Users\freem\TYNYS9\bokor
C:\Users\freem\TYNYS9\bokor
C:\Users\freem\TYNYS9\bokor
C:\Users\freem\TYNYS9\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\bokor\
```

g.) Térjen vissza a gyökérmappába és keresse meg az összes olyan file-t, amelyek nevének második betűje e.



h.) Tegye mindenki számára olvashatóvá a felsorolas.txt file-t.

```
C:\Users\freem\TYNYS9\fa>icacls felsorolas.txt /grant Mindenki:(R)
processed file: felsorolas.txt
Successfully processed 1 files; Failed processing 0 files
C:\Users\freem\TYNYS9\fa>
```

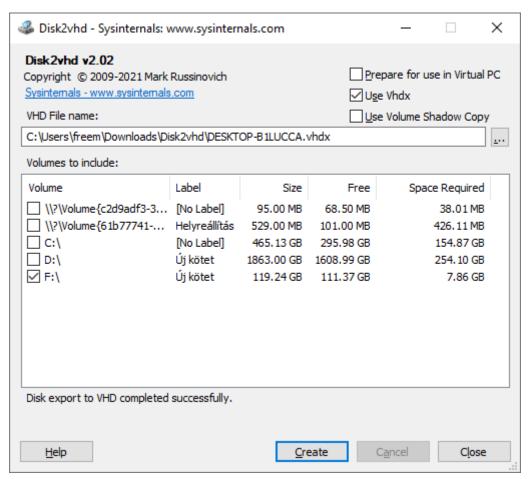
i.) Jelenítse meg, hogy mennyi helyet foglal a merevlemezen a neptunkod mappa az al-mappáival együtt.

```
Parancssor
                                                                                                                                                                       ×
 C:\Users\freem>dir /s TYNYS9
Volume in drive C has no label.
Volume Serial Number is 2A2D-7243
 Directory of C:\Users\freem\TYNYS9
2022. 02. 17. 14:04
2022. 02. 17. 14:04
2022. 02. 17. 14:40
2022. 02. 17. 14:55
2022. 02. 17. 14:40
                                   <DIR>
                                                         ..
bokor
                                                         fa
land
                                  <DIR>
                                                       0 bytes
 Directory of C:\Users\freem\TYNYS9\bokor
2022. 02. 17. 14:40 <1
2022. 02. 17. 14:40 <1
2022. 02. 17. 14:53 <1
2022. 02. 17. 14:05 <1
0 File(s)
                                   <DIR>
                                                         banan
                                                         mogyoro
 Directory of C:\Users\freem\TYNYS9\bokor\banan
..
25 leiras.txt
                                                     25 bytes
 Directory of C:\Users\freem\TYNYS9\bokor\mogyoro
2022. 02. 17. 14:05 <DIR>
2022. 02. 17. 14:05 <DIR>
0 File(s)
 Directory of C:\Users\freem\TYNYS9\fa
2022. 02. 17. 14:55
2022. 02. 17. 14:55
2022. 02. 17. 14:65
2022. 02. 17. 14:55
2022. 02. 17. 14:06
2022. 02. 17. 14:05
                                   <DIR>
                                                         barack
                                                     35 felsorolas.txt
                                   <DIR>
                                                         kokusz
                                                         korte
                                  <DIR>
                                                      35 bytes
 Directory of C:\Users\freem\TYNYS9\fa\barack
2022. 02. 17. 14:05
2022. 02. 17. 14:05
                                  <DIR>
                                <DIR>
                                                       0 bytes
 Directory of C:\Users\freem\TYNYS9\fa\kokusz
2022. 02. 17. 14:06
2022. 02. 17. 14:06
                                   <DIR>
                     14:06 <
0 File(s)
                                <DIR>
                                                       0 bytes
```

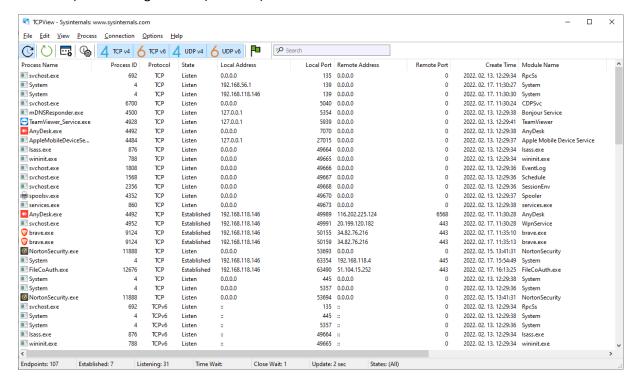
j.) Rendezze ABC-szerint a felsorolas.txt file tartalmát.

```
C:\Users\freem\TYNYS9\fa>sort felsorolas.txt
Bazsi
Danda
Kazsi
Krisz
Tetya
C:\Users\freem\TYNYS9\fa>_
```

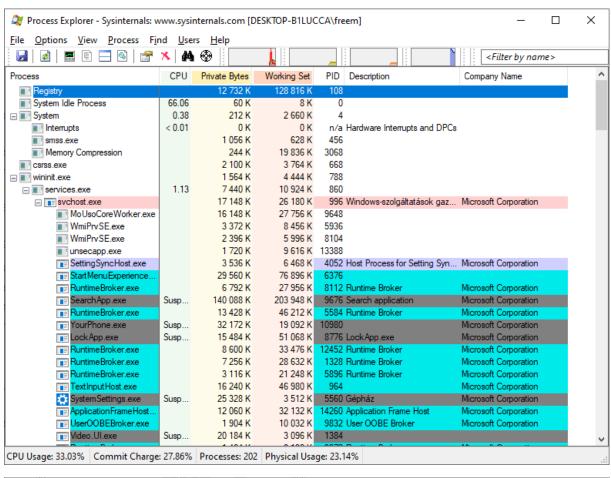
- 2. A Sysinternals weboldalán kategóriákba sorolva hasznos programok érhetők el:
 - a) File and Disk Utilities (Disk2vhd)

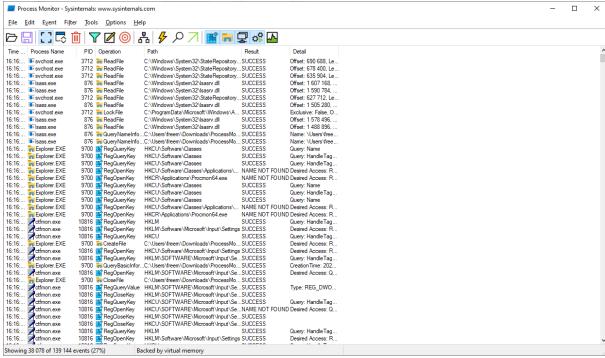


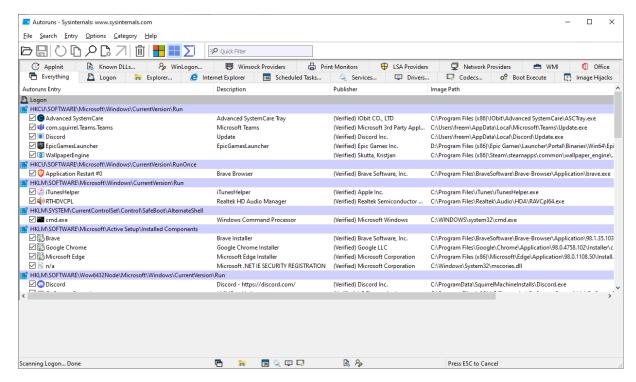
b) Networking Utilities (TCPView)



c) Process Utilities (Process Explorer, Process Monitor, AutoRuns)

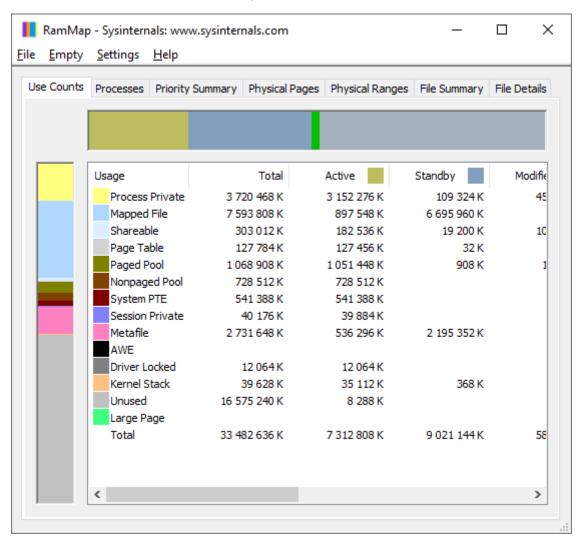




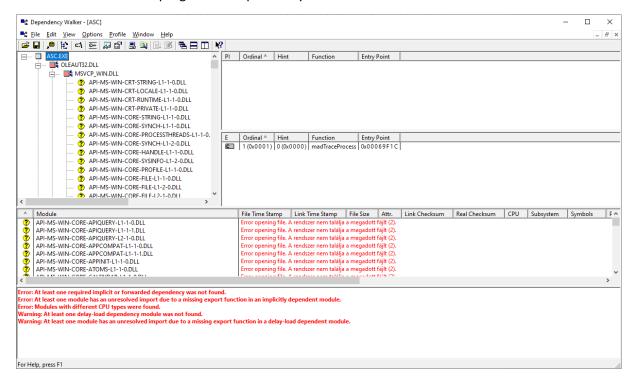


d) Security Utilities (LogonSession)

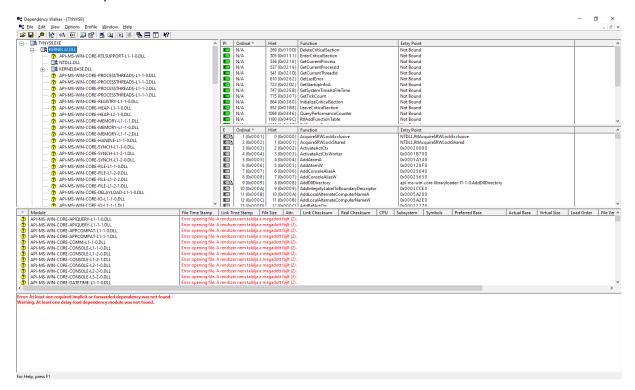
e) Information Utilities (RAMMap)



3. Töltse le a következő programot: Dependency Walker



a.) Vizsgálja meg, hogy a neptunkod.exe milyen API hívásokat használ a kernel32.dll-ből (Win alrendszer DLL)!



b.) Keresse meg NTDLL.DLL-t! Mi ennek a szerepe? Vizsgálja meg az exportált függvényeket, milyen információkat kap az NT API-ról!

Az ntdll.dll a rendszerkönyvtár, amely felelős az operációs rendszer mozgatásáért, másolásáért, összehasonlításáért és más hasonló műveleteiért.

