

Operációs rendszerek BSc

1. konzultáció gyakorlat

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Készítette: **Hudák Dániel**

Mérnökinformatikus MSc

Neptunkód: **MWB0JW**

Operációs rendszerek – 1. Gyakorlat

3. feladat

a) Windows OS esetén futtassa a Task Manager-t, vizsgálja meg milyen folyamatok futnak az OS-n. Készítsen egy képernyőképet és illessze be a dokumentumba – Mentés: *OS1.pdf*

Parancssor megnyitása után a tasklist paranccsal kilistáztam a futó processzeket.

```
Parancssor
Microsoft Windows [Version 10.0.19042.928]
(c) Microsoft Corporation. Minden jog fenntartva.

C:\Users\Dani>taskmgr

C:\Users\Dani>tasklist

Image Name                    PID Session Name        Session#    Mem Usage
=====
System Idle Process           0 Services             0             8 K
System                        4 Services             0            844 K
Registry                     160 Services             0         47 904 K
smss.exe                      452 Services             0          1 236 K
csrss.exe                     624 Services             0          5 588 K
wininit.exe                   708 Services             0         6 904 K
csrss.exe                     716 Console              1          6 180 K
services.exe                  776 Services             0         10 808 K
winlogon.exe                  820 Console              1         11 556 K
lsass.exe                     828 Services             0          22 124 K
svchost.exe                   972 Services             0         30 544 K
fontdrvhost.exe              1004 Console              1          7 144 K
fontdrvhost.exe              1008 Services             0          3 508 K
MUDFHost.exe                  468 Services             0         13 392 K
svchost.exe                   868 Services             0         13 744 K
svchost.exe                   1064 Services             0         10 468 K
MUDFHost.exe                  1184 Services             0         10 328 K
dm.exe                       1248 Console              1         89 624 K
svchost.exe                   1320 Services             0          7 472 K
svchost.exe                   1332 Services             0         11 736 K
svchost.exe                   1344 Services             0          7 848 K
svchost.exe                   1396 Services             0          5 368 K
svchost.exe                   1484 Services             0          7 680 K
svchost.exe                   1464 Services             0          6 932 K
svchost.exe                   1504 Services             0         11 440 K
svchost.exe                   1544 Services             0         10 464 K
svchost.exe                   1556 Services             0         11 884 K
svchost.exe                   1696 Services             0         15 284 K
svchost.exe                   1728 Services             0          6 104 K
IntelCpHDCPSvc.exe           1768 Services             0          7 372 K
svchost.exe                   1816 Services             0          8 840 K
svchost.exe                   1908 Services             0         16 836 K
```

```
Parancssor
RuntimeBroker.exe             10612 Console              1         13 360 K
AppMarket.exe                 10620 Console              1         75 904 K
SecurityHealthSystray.exe     10804 Console              1          9 596 K
syys_dl_srvr.exe              10912 Console              1          9 628 K
OneDrive.exe                  10920 Console              1         54 328 K
conhost.exe                   10928 Console              1         12 816 K
TSWebBrender.exe              11212 Console              1          52 004 K
TSWebBrender.exe              10460 Console              1         158 040 K
svchost.exe                    1904 Services             0          8 156 K
ApplicationFrameHost.exe      6280 Console              1         32 712 K
WinStore.App.exe              9440 Console              1         73 600 K
RuntimeBroker.exe             5052 Console              1         27 324 K
svchost.exe                    8516 Services             0         16 580 K
svchost.exe                    4712 Services             0         20 720 K
VirtualBoxVM.exe              3524 Console              1          7 596 K
VirtualBoxVM.exe              3836 Console              1          5 052 K
VirtualBoxVM.exe              3856 Console              1         159 508 K
SgrmBroker.exe                10968 Services             0          8 340 K
svchost.exe                    5808 Services             0         10 604 K
MoUsCoreWorker.exe            2788 Services             0          30 288 K
svchost.exe                    996 Services             0         12 548 K
svchost.exe                    9472 Console              1         13 508 K
SystemSettings.exe            5444 Console              1         53 084 K
chrome.exe                    1476 Console              1         180 492 K
chrome.exe                    10952 Console              1          8 048 K
chrome.exe                    9956 Console              1         190 328 K
chrome.exe                    10212 Console              1         39 980 K
chrome.exe                    2660 Console              1         18 048 K
chrome.exe                    5176 Console              1         96 812 K
chrome.exe                    3532 Console              1         180 568 K
TextInputHost.exe             2560 Console              1          54 788 K
cmd.exe                       9556 Console              1         20 392 K
conhost.exe                   8772 Console              1         19 616 K
chrome.exe                    11296 Console              1         36 892 K
RuntimeBroker.exe             11880 Console              1          11 108 K
chrome.exe                    11932 Console              1         64 952 K
chrome.exe                    12032 Console              1         23 640 K
chrome.exe                    11440 Console              1         41 812 K
tasklist.exe                   11332 Console              1          9 532 K

C:\Users\Dani>
```

- b) Linux OS esetén adja ki a folyamat futtatásához egy parancsot, vizsgálja meg milyen folyamatok futnak az OS-n. Készítsen egy képernyőképet és illessze be egy dokumentumba - Mentés: *OS1.pdf*

Terminál megnyitása után `ps aux` parancssal kilistáztam a futó processzeket.

```
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

mint@mint:~$ ps aux
USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.5  0.9 101808 9896 ?        Ss   13:13   0:01 /sbin/init splash
root           2  0.0  0.0      0     0 ?        S    13:13   0:00 [kthreadd]
root           3  0.0  0.0      0     0 ?        I<   13:13   0:00 [rcu_gp]
root           4  0.0  0.0      0     0 ?        I<   13:13   0:00 [rcu_par_gp]
root           5  0.0  0.0      0     0 ?        I    13:13   0:00 [kworker/0:0-events]
root           6  0.0  0.0      0     0 ?        I<   13:13   0:00 [kworker/0:0H-kblockd]
root           7  0.0  0.0      0     0 ?        I    13:13   0:00 [kworker/0:1-cgroup_destroy]
root           8  0.0  0.0      0     0 ?        I    13:13   0:00 [kworker/u2:0-events_unbound]
root           9  0.0  0.0      0     0 ?        I<   13:13   0:00 [mm_percpu_wq]
root          10  0.1  0.0      0     0 ?        S    13:13   0:00 [ksoftirqd/0]
root          11  0.1  0.0      0     0 ?        I    13:13   0:00 [rcu_sched]
root          12  0.0  0.0      0     0 ?        S    13:13   0:00 [migration/0]
root          13  0.0  0.0      0     0 ?        S    13:13   0:00 [idle_inject/0]
root          14  0.0  0.0      0     0 ?        S    13:13   0:00 [cpuhp/0]
root          15  0.0  0.0      0     0 ?        S    13:13   0:00 [kdevtmpfs]
root          16  0.0  0.0      0     0 ?        I<   13:13   0:00 [netns]
root          17  0.0  0.0      0     0 ?        S    13:13   0:00 [rcu_tasks_kthre]
root          18  0.0  0.0      0     0 ?        S    13:13   0:00 [kauditd]
root          19  0.0  0.0      0     0 ?        S    13:13   0:00 [khungtaskd]
root          20  0.0  0.0      0     0 ?        S    13:13   0:00 [oom_reaper]
root          21  0.0  0.0      0     0 ?        I<   13:13   0:00 [writeback]
root          22  0.0  0.0      0     0 ?        S    13:13   0:00 [kcompactd0]
root          23  0.0  0.0      0     0 ?        SN   13:13   0:00 [ksmd]
root          24  0.0  0.0      0     0 ?        SN   13:13   0:00 [khugepaged]
root          70  0.0  0.0      0     0 ?        I<   13:13   0:00 [kintegrityd]
root          71  0.0  0.0      0     0 ?        I<   13:13   0:00 [kblockd]
root          72  0.0  0.0      0     0 ?        I<   13:13   0:00 [blkcg_punt_bio]
root          73  0.0  0.0      0     0 ?        I<   13:13   0:00 [tpm_dev_wq]
root          74  0.0  0.0      0     0 ?        I<   13:13   0:00 [ata_sff]
root          75  0.0  0.0      0     0 ?        I<   13:13   0:00 [md]
root          76  0.0  0.0      0     0 ?        I<   13:13   0:00 [edac-poller]
root          77  0.0  0.0      0     0 ?        I<   13:13   0:00 [devfreq_wq]
root          78  0.0  0.0      0     0 ?        S    13:13   0:00 [watchdogd]
root          79  0.0  0.0      0     0 ?        I    13:13   0:00 [kworker/u2:1-events_power_efficient]
root          81  0.1  0.0      0     0 ?        S    13:13   0:00 [ksysmon]
```

[illegible]