

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
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                   100 Services            0           47 984 K
smss.exe                   452 Services            0             1 236 K
csrss.exe                   624 Services            0             5 588 K
wininit.exe                 708 Services            0             6 884 K
csrss.exe                   716 Console             1             6 180 K
services.exe               776 Services            0            10 888 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
WUDFHost.exe               468 Services            0            13 392 K
svchost.exe                 868 Services            0            13 744 K
svchost.exe                 1064 Services           0            10 468 K
WUDFHost.exe               1184 Services           0            10 328 K
dwm.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                 1404 Services           0             7 680 K
svchost.exe                 1464 Services           0             6 832 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             6 184 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
syzsd_srv.exe               10912 Console             1             9 628 K
OneDrive.exe                10920 Console             1            54 328 K
conhost.exe                 10928 Console             1            12 816 K
TBSWebRenderer.exe         11212 Console             1            52 084 K
TBSWebRenderer.exe         10460 Console             1            158 048 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          5952 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           198 328 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*

```
File Edit View Search Terminal Help
mint@mint: ~
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 [ksuand0]
```

[illegible]