

# Operating Systems



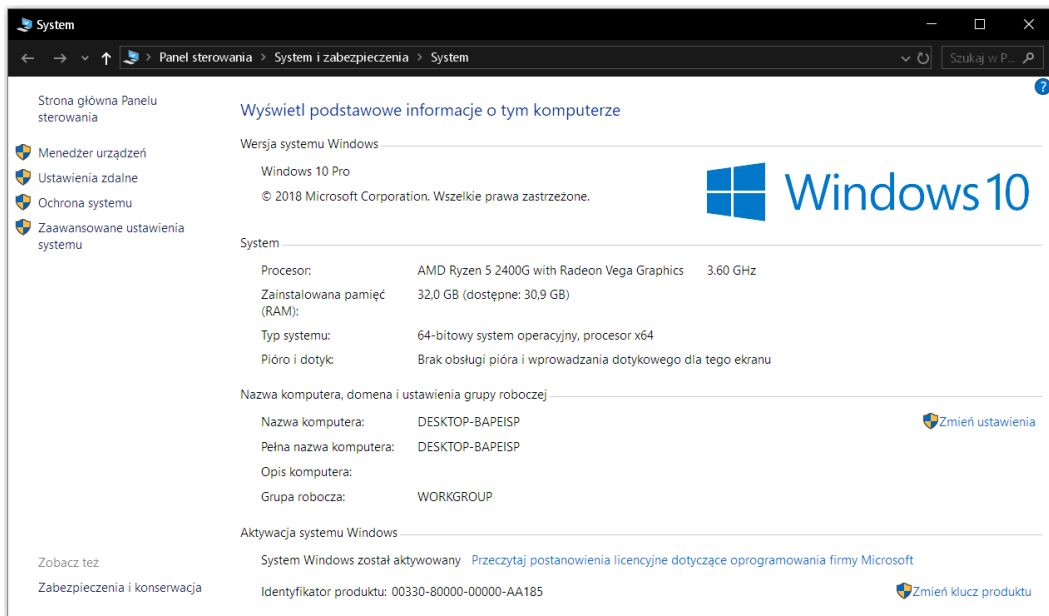
## Lab #1

Jakub Długosz, Ph.D.

**The purpose of this list is to check some properties of Windows OS, become familiar with command prompt and some tools built in Windows OS.**

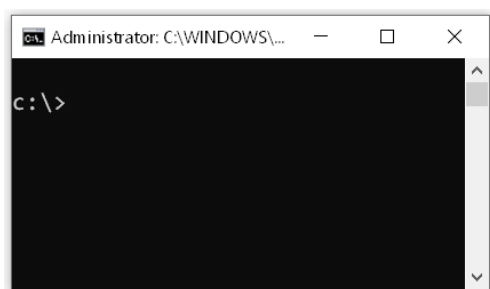
### Task #1

Check system properties (OS version, 32 vs 64- bit compatibility, processor type, RAM resources, computer name, workgroup name):



### Task #2

Run command prompt.



### Task #3

From command prompt check the environmental variable PATH:

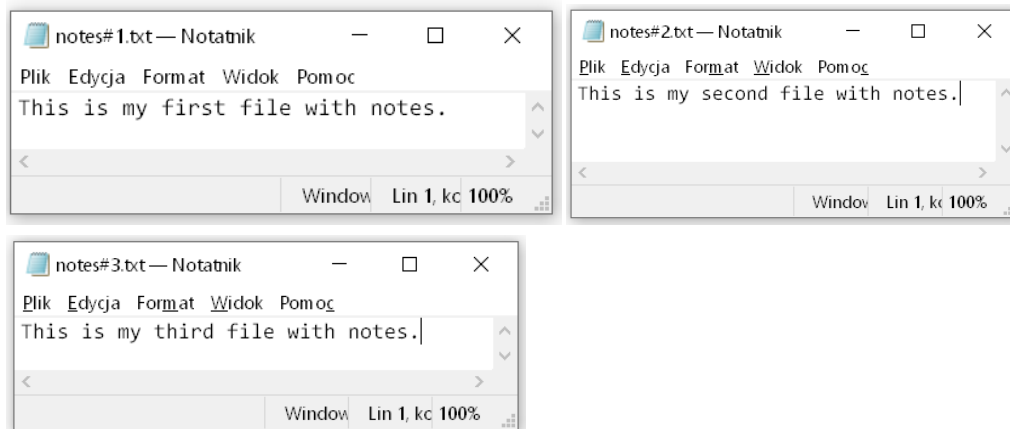
```
PATH=C:\ProgramData\DockerDesktop\version-bin;C:\Program Files\Docker\Docker\Resources\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\OpenSSH\;C:\Program Files\Git\cmd;C:\Program Files\Java\jdk1.8.0_181\bin;C:\wamp64\bin\php\php7.2.14;C:\ProgramData\ComposerSetup\bin;C:\Users\jakub\AppData\Local\Microsoft\WindowsApps;C:\Program Files (x86)\Microsoft VS Code\bin;C:\Users\jakub\AppData\Roaming\Composer\vendor\bin
```

### Task #4

From command prompt go to the disk on which your OS runs. On top of the directory structure, from command prompt, create folder with name of your student\_ID.

### Task #5

From command prompt go to the directory you created in Task #4. From command prompt create in that directory three text files: *notes#1.txt*, *notes#2.txt*, *notes#3.txt*:



### Task #6

While being in the directory you created in Task #4, from command prompt list all the files in that directory:

```
Directory of c:\student_id

[.]          [..]          notes#1.txt  notes#2.txt  notes#3.txt
3 File(s)    100 bytes
2 Dir(s)    552 712 392 704 bytes free
```

### Task #7

While being in the directory you created in Task #4, from command prompt list all the files in that directory not to the console as in Task #6, but to a file in that directory named *result.txt*:

```

result.txt - Notatnik
Plik  Edycja  Format  Widok  Pomoc
Volume in drive C has no label.
Volume Serial Number is C21C-23FF

Directory of c:\student_id

[.]          [..]          notes#1.txt  notes#2.txt  notes#3.txt
result.txt
4 File(s)    100 bytes
2 Dir(s)    552'711'901'184 bytes free

Windows (CRLF)  Lin 1, kol 1  100%

```

```

Directory of c:\student_id

[.]          [..]          notes#1.txt  notes#2.txt  notes#3.txt  result.txt
4 File(s)    388 bytes
2 Dir(s)    552 711 970 816 bytes free

```

## Task #8

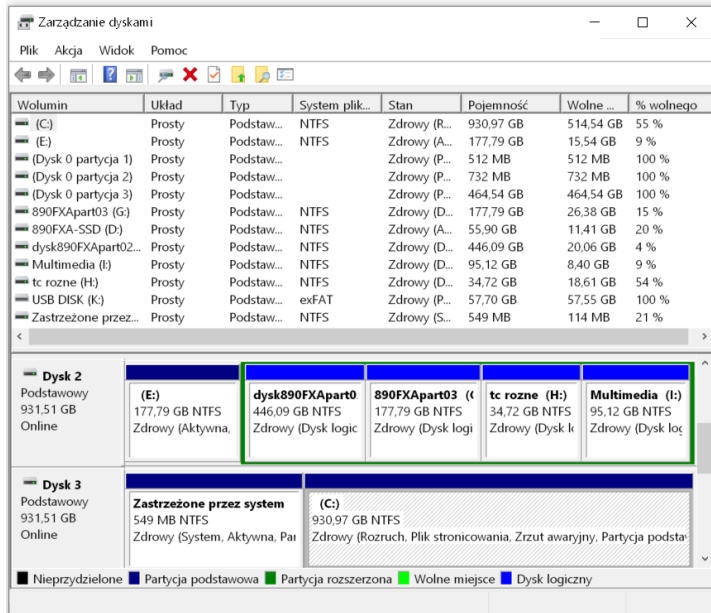
Check the Windows version and compilation build of your system (below version 1809, compilation build 17763.737):



Write how to do it from command prompt.

## Task #9

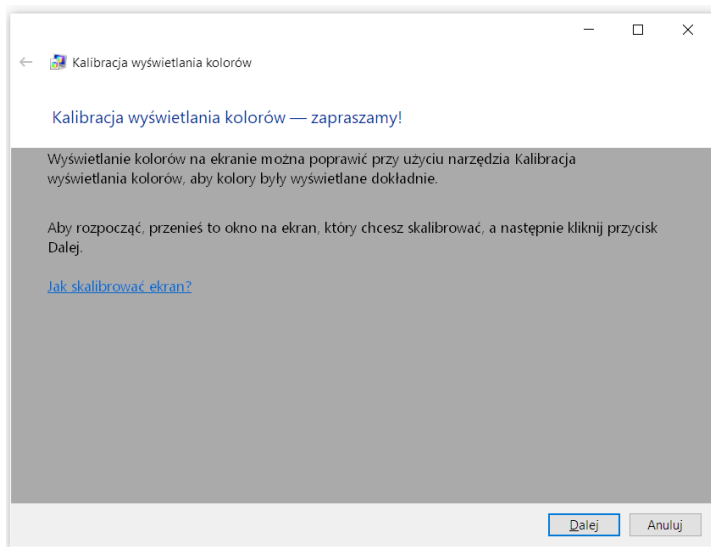
Run disk management tool:



Write how to do it from command prompt.

## Task #10

Run display calibration tool:



Write how to do it from command prompt.

## Task #11\*

Make bootable version of Windows or Linux OS on USB stick (you can use tool like Rufus – <https://rufus.ie/>).