

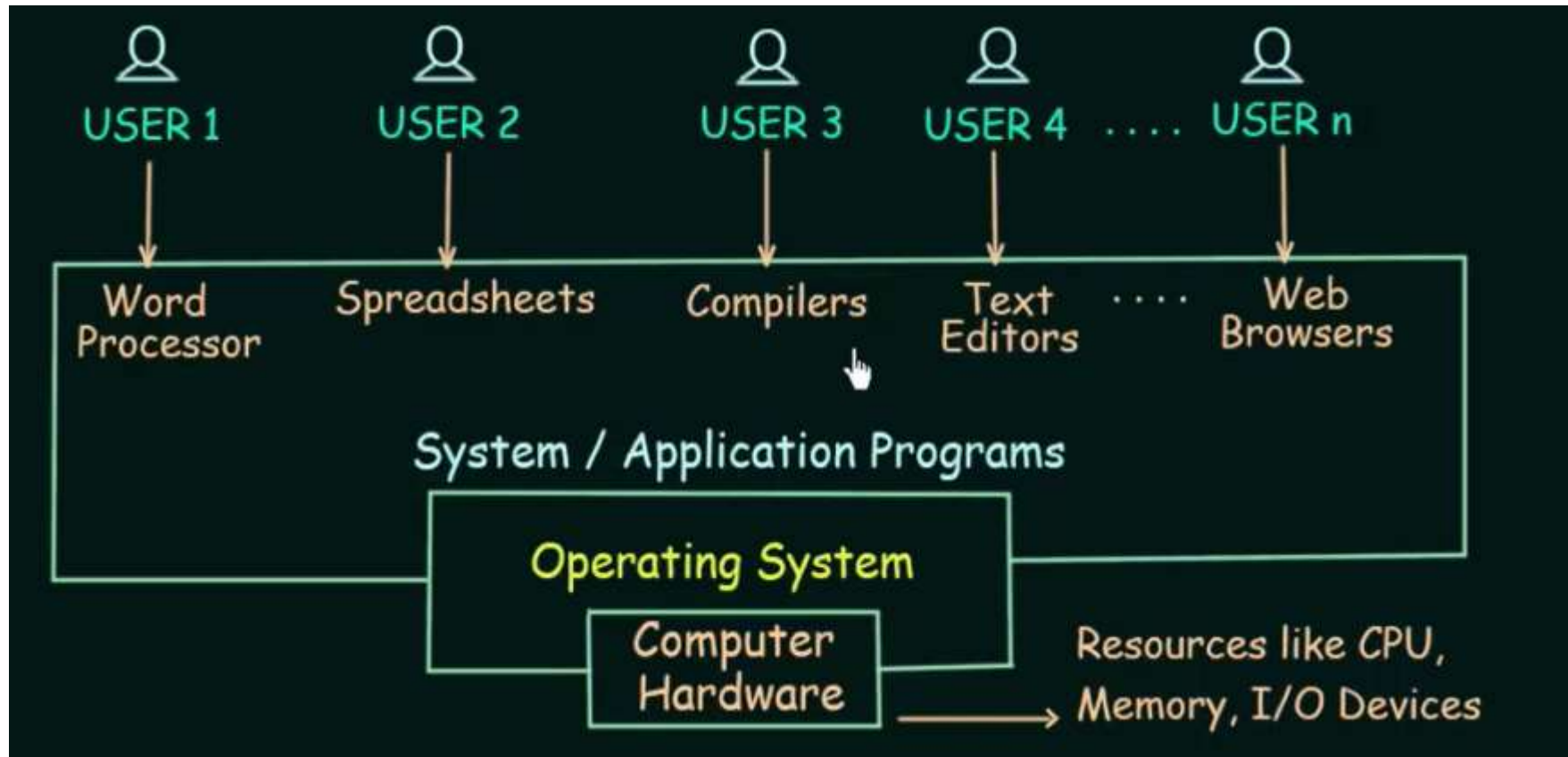
# Command-Line Interface

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WEEK 7 (TUTORIAL)

# Before we Start

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# What is CMD?

- CMD also known as Command, Command Prompt is a Command Line Interpreter (CLI) of Windows operating System.
- Similar to MS-DOS Prompt

```
i:\>copy con TEXT1.txt
This is text document. ^Z
        1 file(s) copied.

i:\>echo TEXT1.txt
TEXT1.txt

i:\>Type TEXT1.txt
This is text document.
i:\>color
```

Fig: Command Prompt

```
Starting MS-DOS...

HIMEM is testing extended memory...done.

C:\>C:\DOS\SMARTDRV.EXE /X

MODE prepare code page function completed

MODE select code page function completed
C:\>dir

Volume in drive C is MS-DOS_6
Volume Serial Number is 40B4-7F23
Directory of C:\

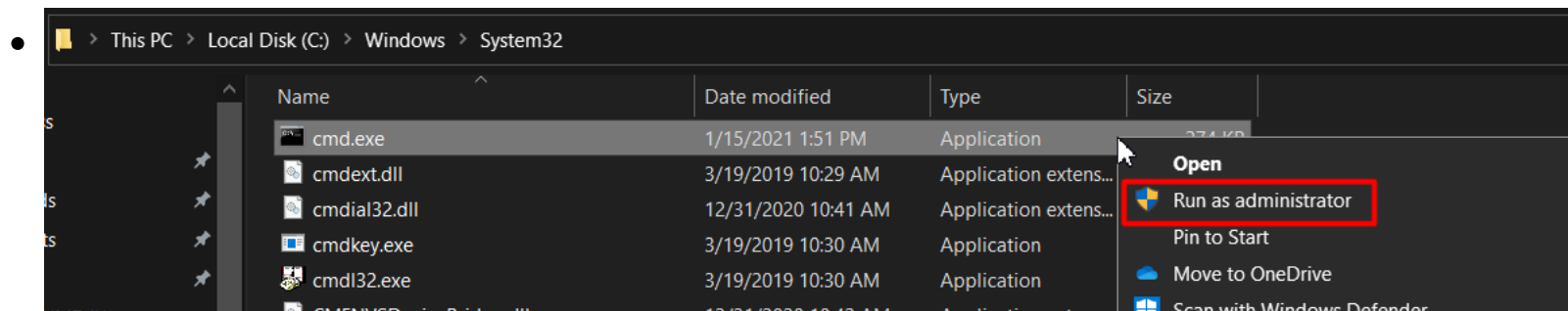
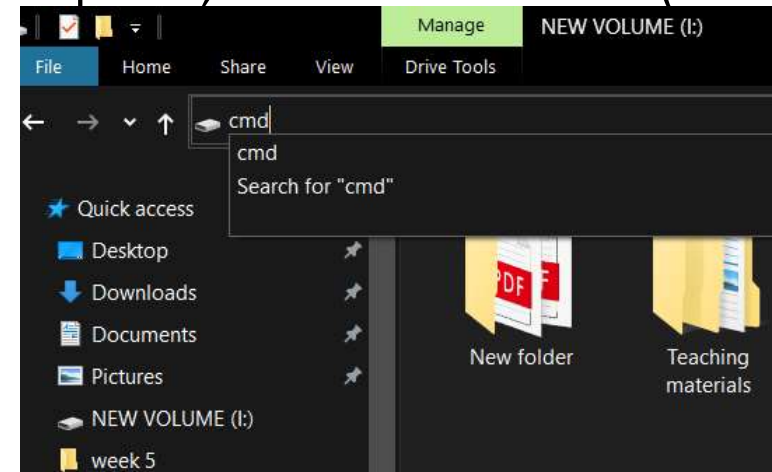
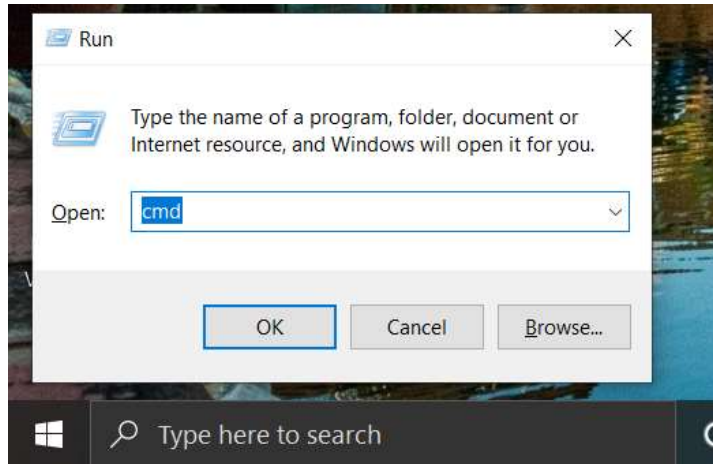
DOS             <DIR>                12.05.20   15:57
COMMAND  COM           54 645 94.05.31   6:22
WINA20   386           9 349 94.05.31   6:22
CONFIG   SYS           144 12.05.20   15:57
AUTOEXEC BAT        188 12.05.20   15:57
               5 file(s)             64 326 bytes
               24 760 320 bytes free

C:\>_
```

Fig: MS-DOS Prompt

# How to open CMD from Windows?

- Some ways to open CMD:
- From Run: (**Windows+R** then type “**cmd**”) In File Explorer, **click** address bar or (**Alt+D**) then Type **cmd**



# Why is CMD Important?

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- Greater control of an OS or application.
- Basic CLI helps to troubleshoot network issues.
- They can be used to do scheduled some tasks automatically; taking a scheduled server backup, deleting junk files and so on. (CRON JOBS).
- Allows the programmer to perform task directly through CMD which would otherwise take several code of lines.

# Basic CMD commands

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Cls: To clear the screen (Syntax: *C:/> CLS*)

Dir: Displays the list of directories and files (Syntax : *C:/> dir*)

Date: Shows/set System date(Syntax: *C:/> date*)

Time: Shows/ Set System time (Syntax : *C:/> time*)

Ver: Displays OS version (Syntax : *C:/> ver*)

Mkdir/MD: Create new directory (Syntax : *C:/> mkdir [directory name]* )

Move: Move/rename files.(syntax: *C : / > Move < source path > < target path >*)

Copy: To copy files from one directory to another (Syntax: *C : / > copy [copy source] [path target]*)

Rename: To rename files (Syntax: *C : / > rename [oldfilename] [newfilename]*)

Rd: removes directory (Syntax: *C : / > rd [directory name]* )

Del: Delete a file: (Syntax: *C : / > del [filenalmel]*)

Copy con: Create a file: (Syntax: *C : / > copy con [filename]*)

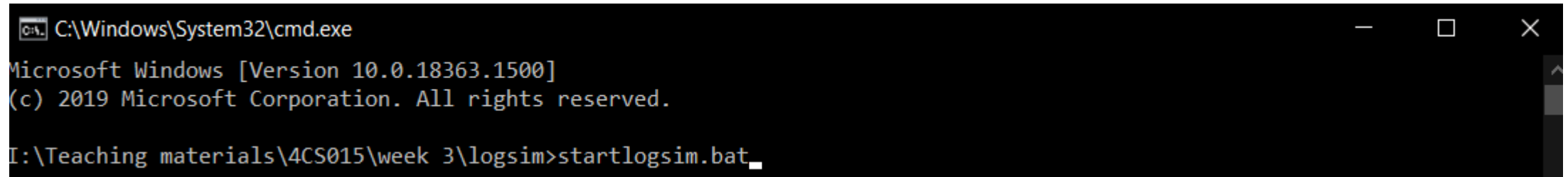
Type: Allows to see the content of a file (Syntax: *C : / > type [filename]*)

Can we Run Python Program from  
CMD??

# Running Logsim from Command prompt

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Navigate to the folder where your logsim is run the batch for or the JAR file.

A screenshot of a Windows Command Prompt window. The title bar at the top reads "C:\Windows\System32\cmd.exe". The window contains the following text: "Microsoft Windows [Version 10.0.18363.1500]", "(c) 2019 Microsoft Corporation. All rights reserved.", and "I:\Teaching materials\4CS015\week 3\logsim>startlogsim.bat\_". The cursor is positioned at the end of the command line.

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18363.1500]
(c) 2019 Microsoft Corporation. All rights reserved.
I:\Teaching materials\4CS015\week 3\logsim>startlogsim.bat_
```