

Command Line

Objective

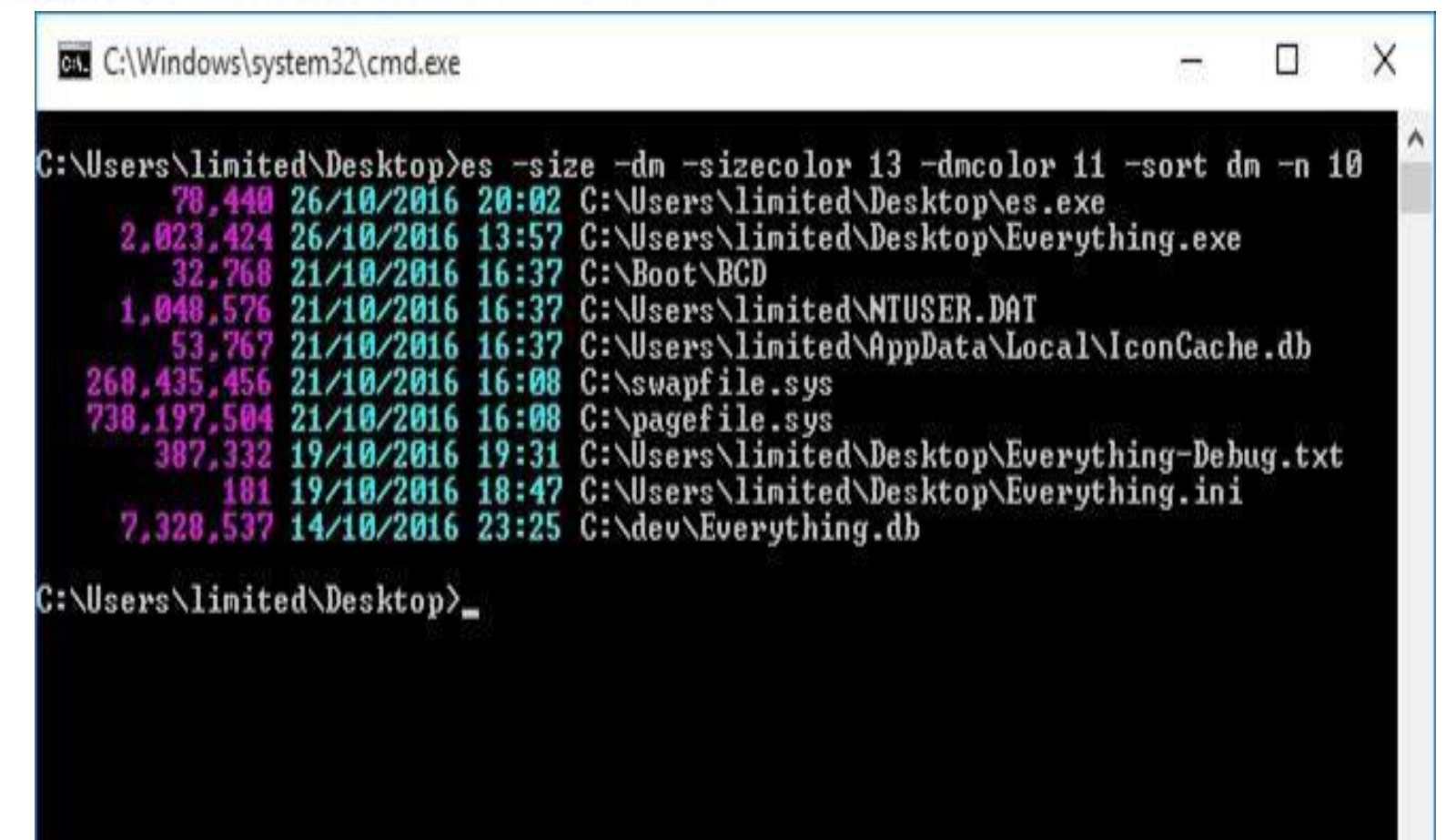
- Know about the Command Line?
- Why we use Command Line?
- Make files and directory.
- View the files
- Delete and edit them
- How to Navigate

What is Command Line Interface (CLI)?

- ❖ CLI is a command line program that accepts text input to execute operating system functions.
- ❖ It's a way to interact with your computer
- ❖ Text-based
- ❖ Not GUI (Graphical User Interface)
- ❖

Today, with graphical user interfaces (GUI), most users never use command-line interfaces (CLI).

However, CLI is still used by software developers and system administrators to configure computers, install software, and access features that are not available in the graphical interface.



```
C:\Windows\system32\cmd.exe
C:\Users\limited\Desktop>es -size -dm -sizecolor 13 -dmcolor 11 -sort dm -n 10
 78,440 26/10/2016 20:02 C:\Users\limited\Desktop\es.exe
2,023,424 26/10/2016 13:57 C:\Users\limited\Desktop\Everything.exe
 32,768 21/10/2016 16:37 C:\Boot\BCD
1,048,576 21/10/2016 16:37 C:\Users\limited\NTUSER.DAT
 53,767 21/10/2016 16:37 C:\Users\limited\AppData\Local\IconCache.db
268,435,456 21/10/2016 16:08 C:\swapfile.sys
738,197,504 21/10/2016 16:08 C:\pagefile.sys
387,332 19/10/2016 19:31 C:\Users\limited\Desktop\Everything-Debug.txt
 181 19/10/2016 18:47 C:\Users\limited\Desktop\Everything.ini
7,328,537 14/10/2016 23:25 C:\dev\Everything.db
C:\Users\limited\Desktop>_
```

What can we do with it?

- Editing the files
- Copying & Making files and folders
- Downloading, running programs and Compiling
- **Anything!**

Common Commands

ls	# List all files in the current directory
cd	# Change directory
pwd	# Where am I
mkdir	# Create a directory
rmdir	# Remove an empty directory
rm	# Remove a file or a directory

Common Commands

clear	# Clear the screen
touch	# Create a file
man	# Show the manual for a given command
cat	# Print the content in the terminal
say	# Make your computer talk

Paths and Directories

- **Absolute Paths**

The absolute path shows the full path of files and it is unique location within the file system. No other files can have this path.

Absolute paths:

- Start with leading slash '/'
- Always relative to the root directory

Paths and Directories

- **Relative Paths**

The Relative paths are the paths described with respect to the current directory.

There are two special relative directories.

- .. parent directory
- . current directory

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Finding the Command Line

- **Windows:**

- Click the Start menu and type cmd in the search box to locate the Command Line.
- Or, the Command Line should be one of the options under 'Programs' and you can click on the application to open it.

- **Mac OS:**

- Open the terminal by opening the Applications folder, navigating to Utilities and then launching Terminal.
- Or, search for "terminal" to find the application to launch.

Lab

Make a T1000 directory

- ~/T1000
- └─ warmups
- └─ homeworks_labs
- └─ lessons
- └─ projects

Create a file named my_first_file in the homeworks_labs folder and write T1000 into it

All the above need to be done using commands

Resources

- [Unix Power Tools](#)
- [Explain cli w3shools](#)
- [Command Line Fu](#)
- [Teaching Unix](#)
- [Unix Cheat Sheet](#)

Summary

- Know about the Command Line
- Why we use Command Line?
- Make files and directory.
- View the files
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- How to Navigate