

Experiment No. 1

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Theory: MS-DOS or Microsoft Disk Operating System is a command line operating system (OS) used before the invention of modern day Graphical User Interface (GUI).

MS-DOS commands are command lines that are majorly used for 3 things:

- i) File management.
- ii) System Config
- iii) Program Execution.

Implement 20 CLI commands list along with their syntax & uses:

CLI commands: i) HELP

purpose: Provides information about DOS & its commands.

Syntax: HELP [command]

eg: HELP DIR

ii) VOL

purpose: Displays the Volume label & serial number of a disk.

Syntax: VOL [drive]

eg: VOL C:

iii) IPCONFIG

purpose: Displays network configuration details

Syntax: IPCONFIG [/options]

eg: IPCONFIG /ALL

iv) PING

purpose: Check connectivity with a remote network host.

Syntax: PING [hostname or IP ADDRESS]

eg: PING google.com

v) TASKKILL

purpose: Terminates a running process

Syntax: TASKKILL /PID process ID [/F]

eg: TASKKILL /PID 1234 /F

vi) TASKLIST

purpose: Displays currently running processes

Syntax: TASKLIST [/options]

eg: TASKLIST

vii) PATH

purpose: Displays or sets a search path for executable files.

Syntax: PATH [drive:]path [;...]

eg: PATH C:\Windows\System32

viii) LABEL

purpose: Creates, changes or deletes a volume label.

Syntax: LABEL [drive:] [label]

eg: LABEL C: NewDriveName

ix) DISKPART

purpose: Manages disk partitions.

Syntax: DISKPART

eg: DISKPART

x) CHKDSK

purpose: Checks the disks for errors & fixes them if specified.

Syntax: CHKDSK [drive:] [/F] [/R]

eg: CHKDSK C:/F

xi) ATTRIB

purpose: Changes file attributes.

Syntax: ATTRIB [R]-[R] [+A]-[A] [+S]-[S] [+H]-[H]
[drive:] +H secret.txt

eg: ATTRIB +H secret.txt

xii) REN

Purpose: Renames a file or directory.

Syntax: REN [drive:] [path] filename1 filename2

eg: REN oldname.txt newname.txt

xiii) MOVE

Purpose: Moves files from one location to another

Syntax: MOVE [source] [destination]

eg: MOVE C:\file.txt D:\Documents\

xiv) XCOPY

Purpose: Copies files & directories, including all the subdirectories.

Syntax: XCOPY source destination [options]

eg: XCOPY C:\Data D:\Backup /E

xv) COPY

Purpose: Copies files (default: copy to copy).

Syntax: COPY source destination

eg: COPY C:\file.txt D:\Backup\

xvi) DEL

Purpose: Deletes one or more files

Syntax: DEL [drive:] [path] filename [/P]

eg: DEL C:\Temp\file.txt

xvii) RD (RMDR)

Purpose: Removes an empty directory

Syntax: RD [drive:] path

eg: RD C:\oldfolder

xviii) MKDIR

Purpose: Creates a new directory

Syntax: MD [drive:] path

eg: MD C:\NewFolder

xix) CD

Purpose: Changes the current directory

Syntax: CD [drive:] path

eg: CD C:\Windows

xx) DIR

Purpose: Displays a list of files & directories in the current directory

Syntax: DIR [drive:] path [/filesname] [/attributes]

eg: DIR C:\Documents

Conclusion: Basic commands & their implementation along with understanding them on an DOS are studied successfully.

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