Basic Linux Commands with Syntax

ls:
  Lists files and directories.
  Syntax: ls [options] [directory]

pwd:
  Displays the current directory path.
  Syntax: pwd

cd:
  Changes the current directory.
  Syntax: cd [directory]

mkdir:
  Creates a new directory.
  Syntax: mkdir [directory_name]

rmdir:
  Removes an empty directory.
  Syntax: rmdir [directory_name]

rm:
  Deletes files or directories.
  Syntax: rm [options] [file/directory]

cp:
  Copies files or directories.
  Syntax: cp [source] [destination]

mv:
  Moves or renames files or directories.
  Syntax: mv [source] [destination]

touch:
  Creates a new empty file.
  Syntax: touch [file_name]

cat:
  Displays file content.
  Syntax: cat [file_name]

nano / vim:
  Opens a file in a text editor.
  Syntax: nano [file_name] / vim [file_name]

grep:
  Searches for a pattern in a file.
  Syntax: grep [pattern] [file]

find:
  Searches for files and directories.
  Syntax: find [directory] -name "[pattern]"

chmod:
  Changes file permissions.
  Syntax: chmod [permissions] [file]

chown:
  Changes file owner.
  Syntax: chown [user:group] [file]

df:
  Displays disk space usage.
  Syntax: df -h

du:
  Shows file/directory disk usage.
  Syntax: du -sh [directory]

ps:
  Displays active processes.
  Syntax: ps aux

kill:
  Terminates a process.
  Syntax: kill [PID]

top:
  Shows real-time system resource usage.
  Syntax: top

tar:
  Archives files.
  Syntax: tar -cvf archive.tar [files] / tar -xvf archive.tar

zip/unzip:
  Compresses or extracts ZIP files.
  Syntax: zip archive.zip [files] / unzip archive.zip

wget:
  Downloads a file from the internet.
  Syntax: wget [URL]

scp:
  Securely copies files between systems.
  Syntax: scp [file] user@host:[destination]

ssh:
  Connects to a remote system.
  Syntax: ssh user@host

history:
  Shows command history.
  Syntax: history

man:
  Displays the manual of a command.
  Syntax: man [command]

echo:

Prints text to the terminal.

Syntax: echo "text"

uname -a:

Shows system information.

Syntax: uname -a

whoami:

Displays the currently logged-in user.

Syntax: whoami