

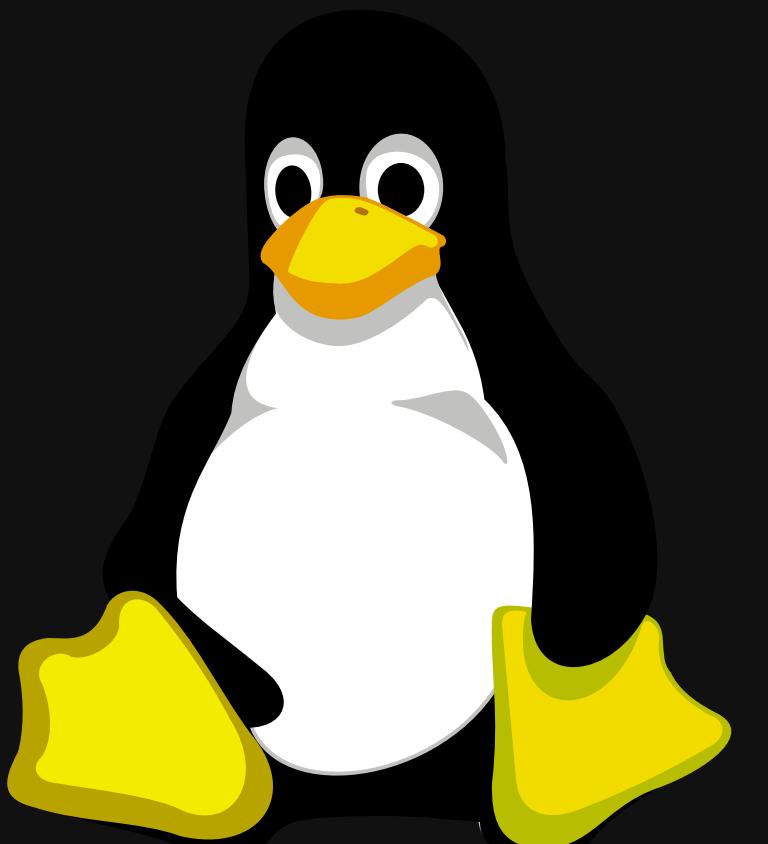
WLUG PRESENTS

LinuxDiary 3.0



Linux Diary 3.0

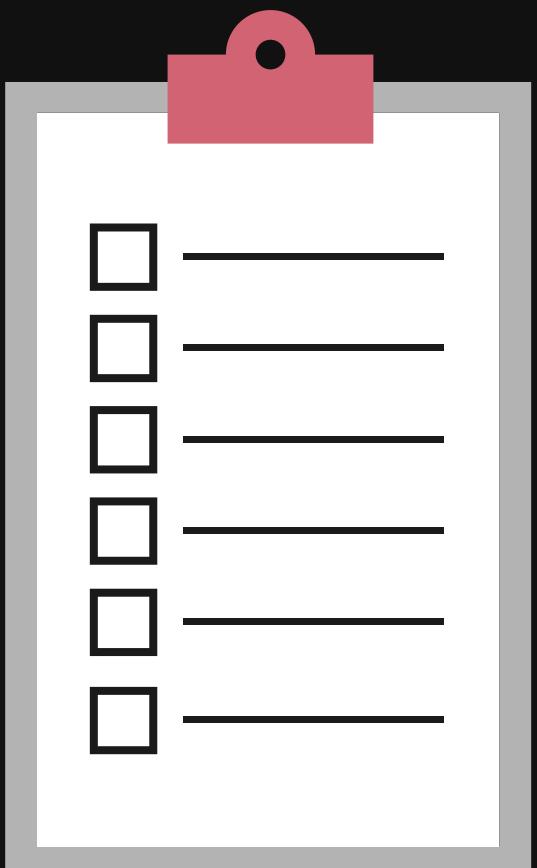
Day 2 session 2



- Yashashwi Patil
- Vishal Jha
- Kranti Bharti

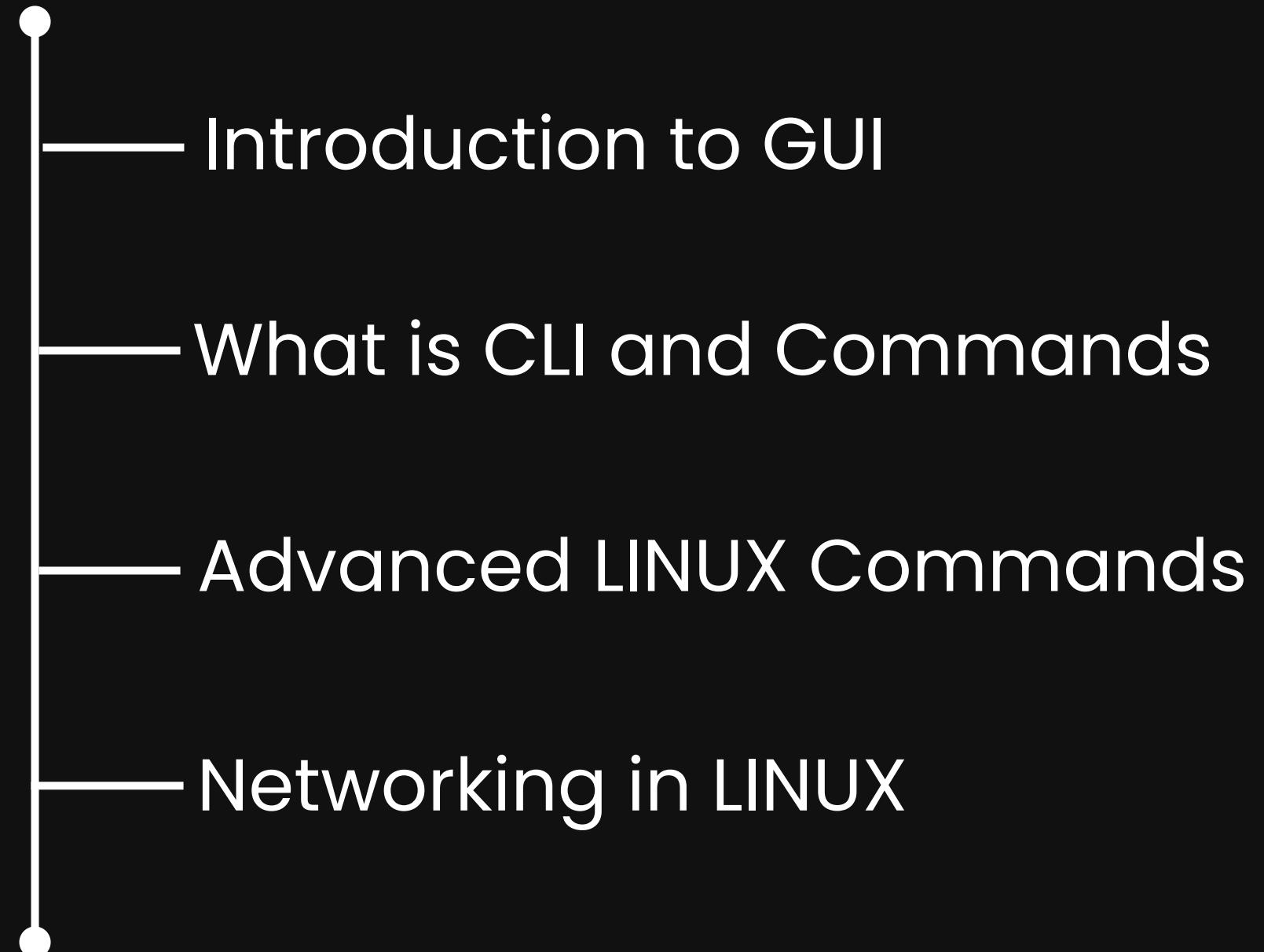
Summarising.....

- Introduction to Linux
- Working of Linux kernel and it's applications
- Linux Distributions
- Basic Linux commands
- Booting
- The File system



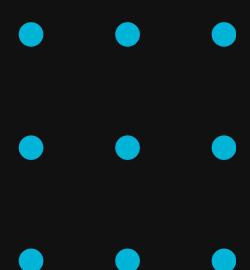
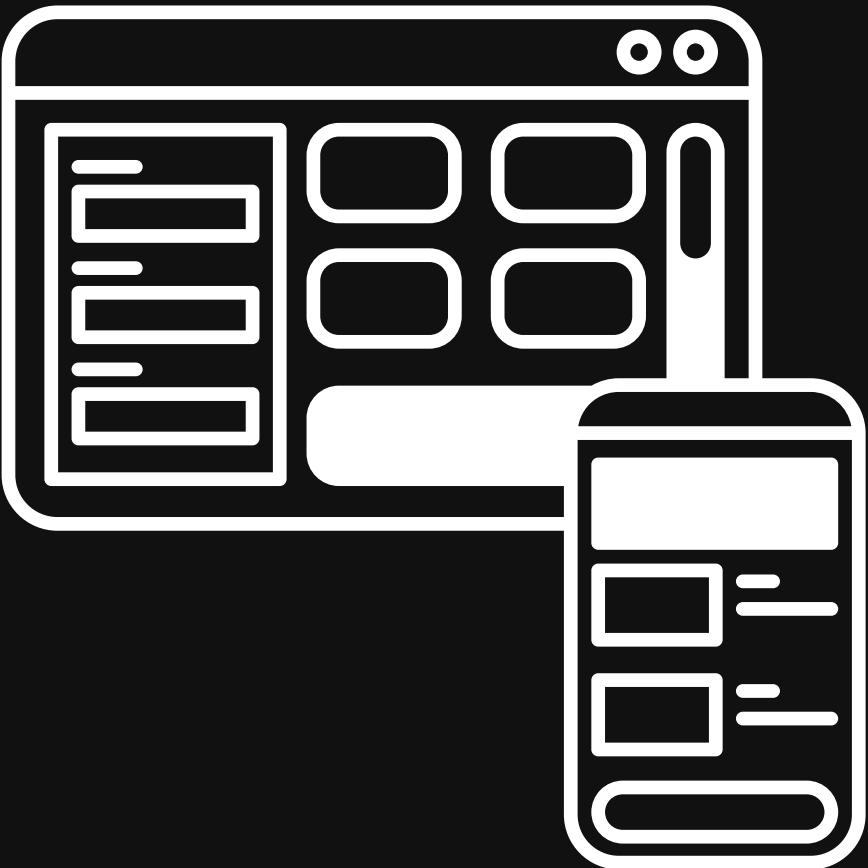
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TIMELINE



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GUI



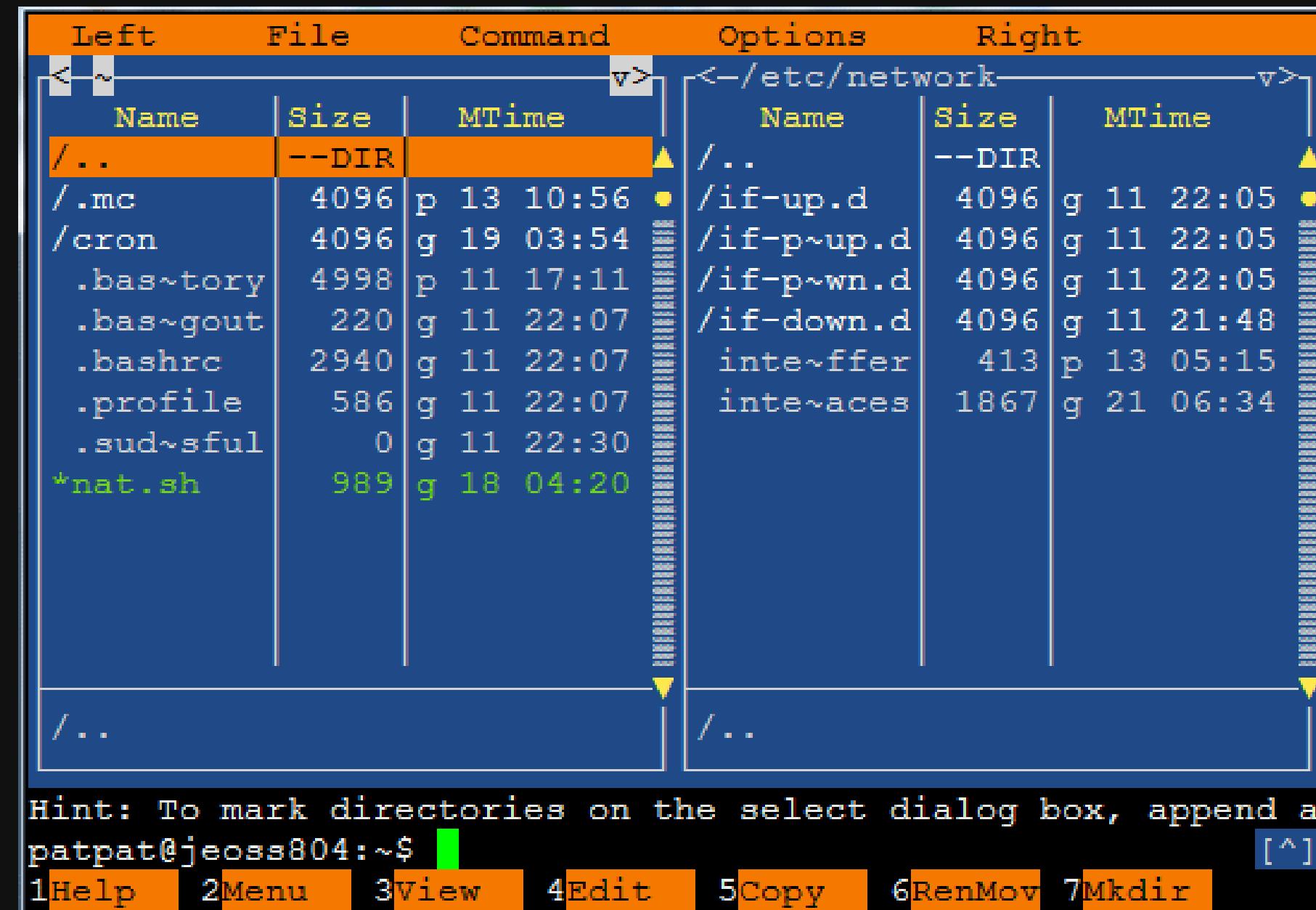
WHAT IS GUI?

- GUI stands for Graphical User Interface.
- GUI is an interface that allows users to interact with different electronic devices using icons and other visual indicators.
- User friendly



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PC Without GUI

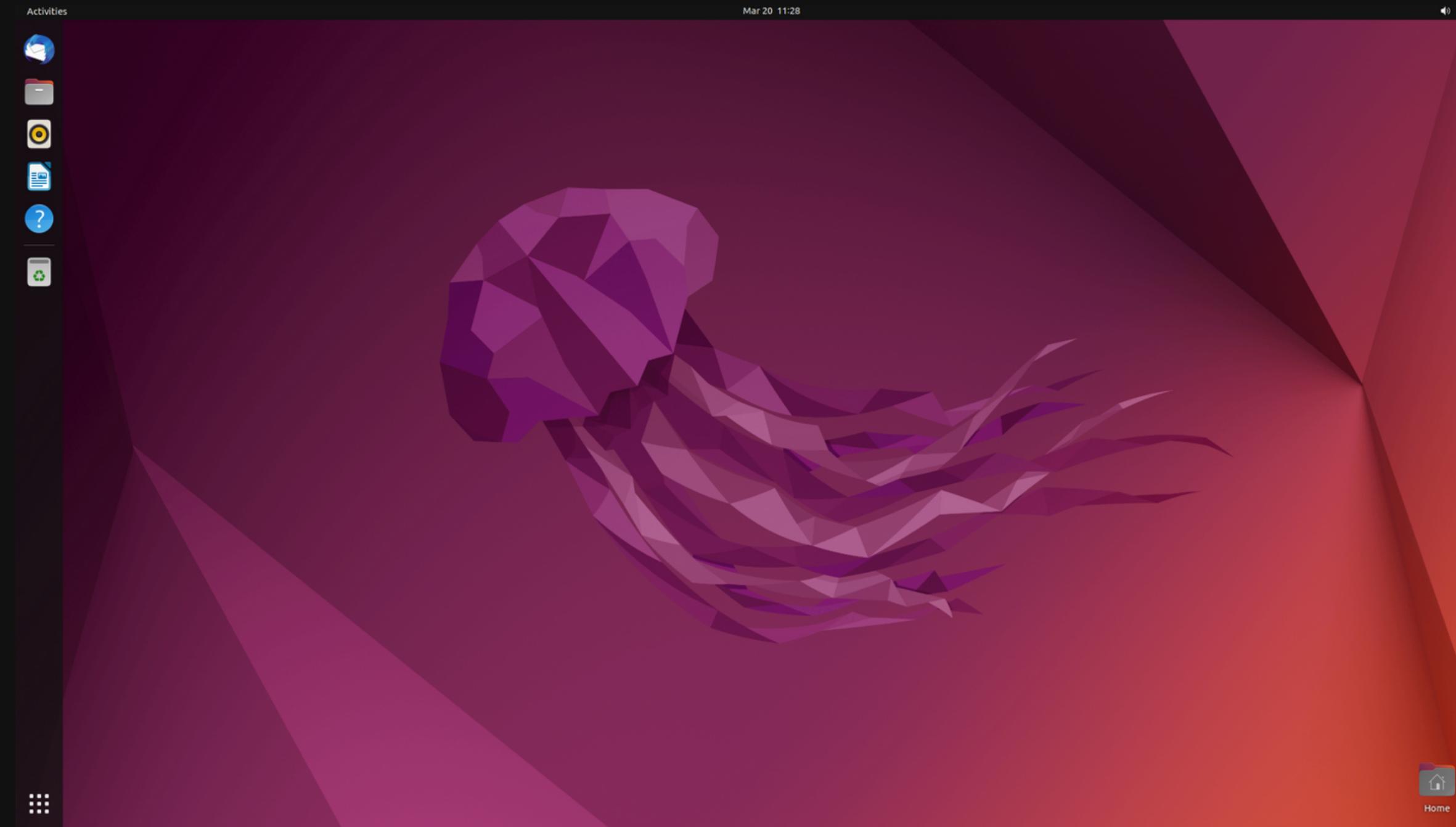


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GNOME



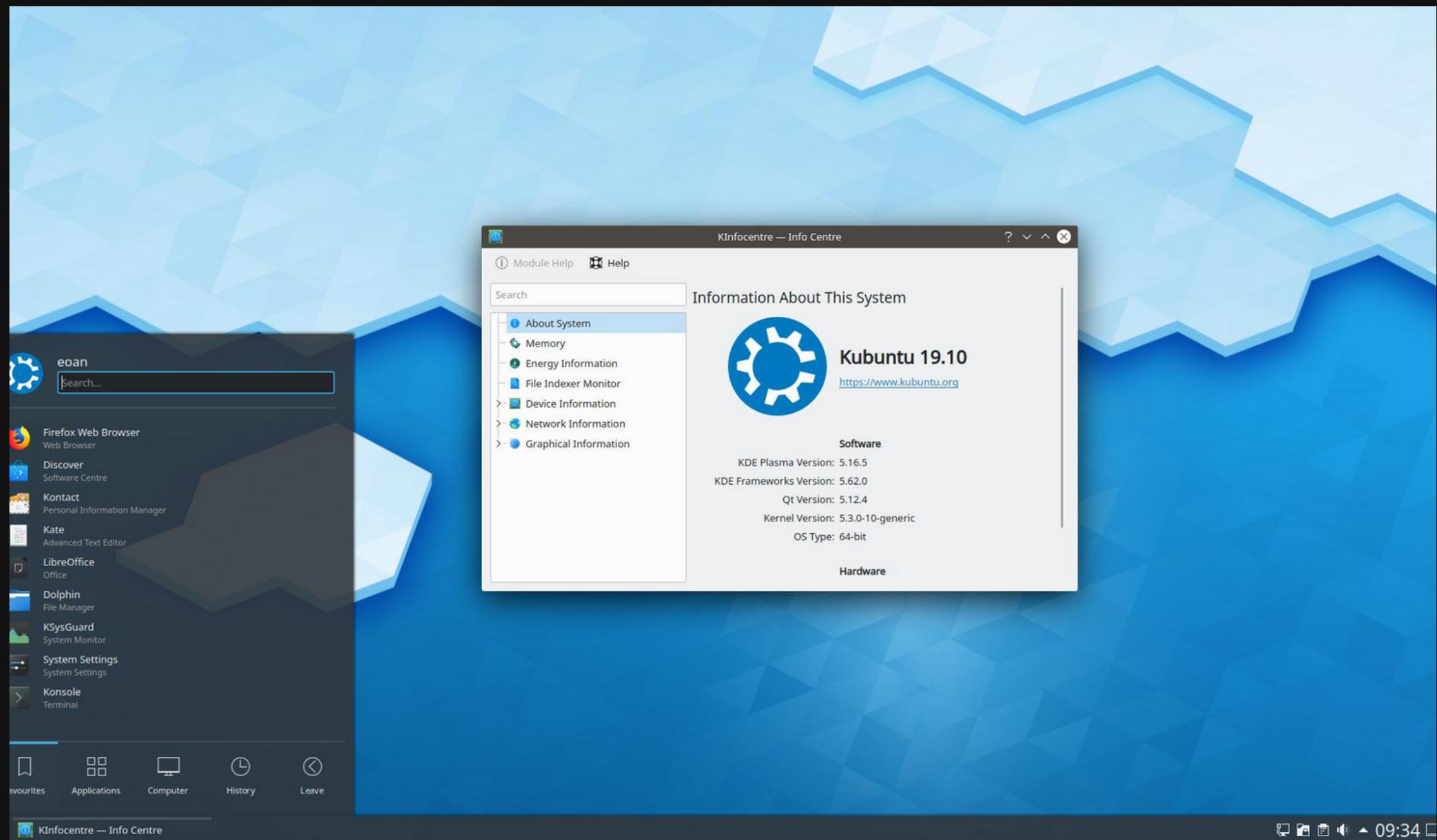
Xfce



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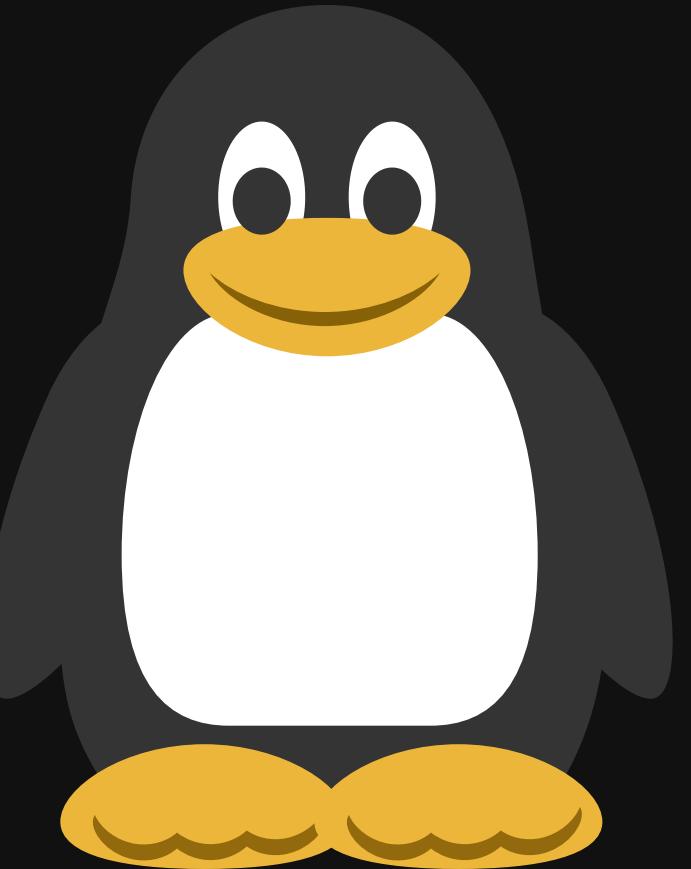


KDE



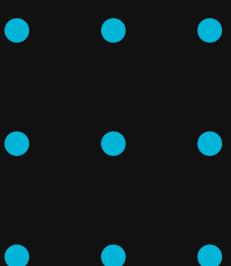
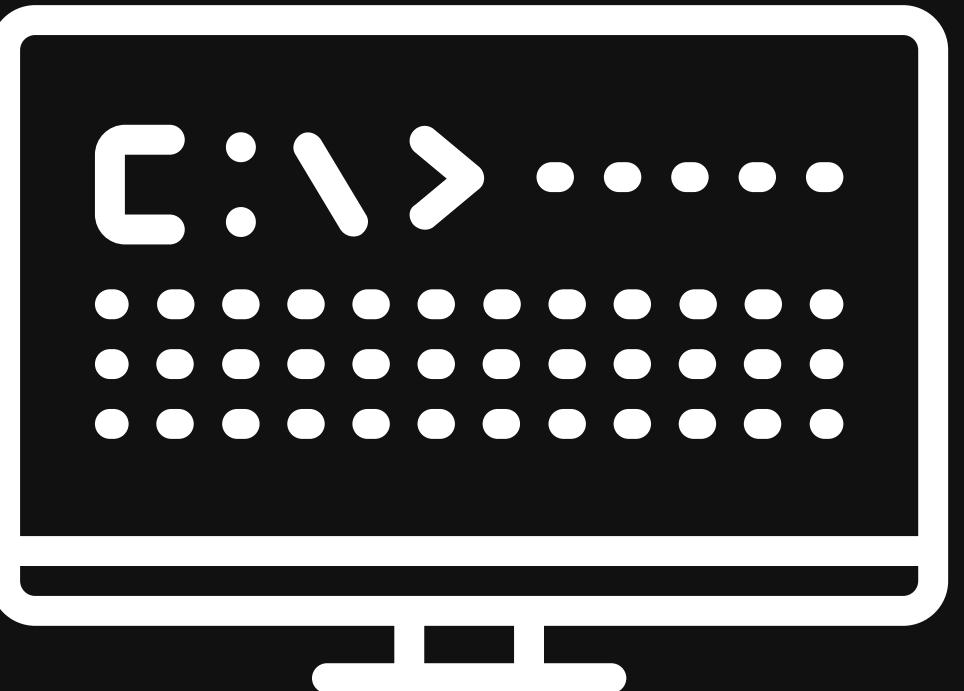
Interesting Facts!!!

- Steve Jobs offered Linus Torvalds a job in 2000, on the condition that he should stop development on Linux. Linus (thankfully) declined.
- You can also create your own Linux distribution and distribute it.



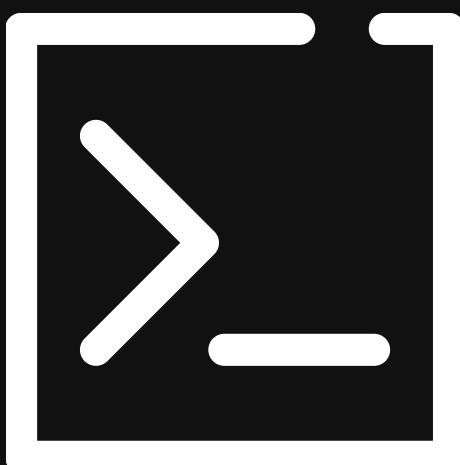
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CLI



WHAT IS CLI?

- CLI stands for Command-line Interface.
- A command-line interface (CLI) is a text-based user interface, it receives and processes commands from user in the form of text.
- Terminal - Linux/Mac OS.
- Command Prompt - Windows OS.



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LINUX Commands

- Utility of Linux operating system
- Instructions given to perform a certain task
- Case sensitive

Note:-

*To open the terminal in Linux, press the "CTRL + ALT + T" keys together
and press "ENTER" for executing any command.*

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ADVANCED COMMANDS

- File Management commands

- Terminal related commands

- User commands



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ADVANCED COMMANDS

Commands	Description	Syntax
tac	To display file contents in reverse order	tac <file name>
passwd	To create, change or update password	passwd <username>

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ADVANCED COMMANDS

Commands	Description	Syntax
su	Switch to another user	su <username>
id	To display user ID and group ID	id
...

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ADVANCED COMMANDS

Commands	Description	Syntax
gzip	To compress the file	gzip <file name>
gunzip	To decompress the file	gunzip <file name>
...



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ADVANCED COMMANDS

Commands	Description	Syntax
od	Displays content of a file in different formats	od -b <file name> od -c <file name>
find	Finds a file within a directory	find -name name.txt
...

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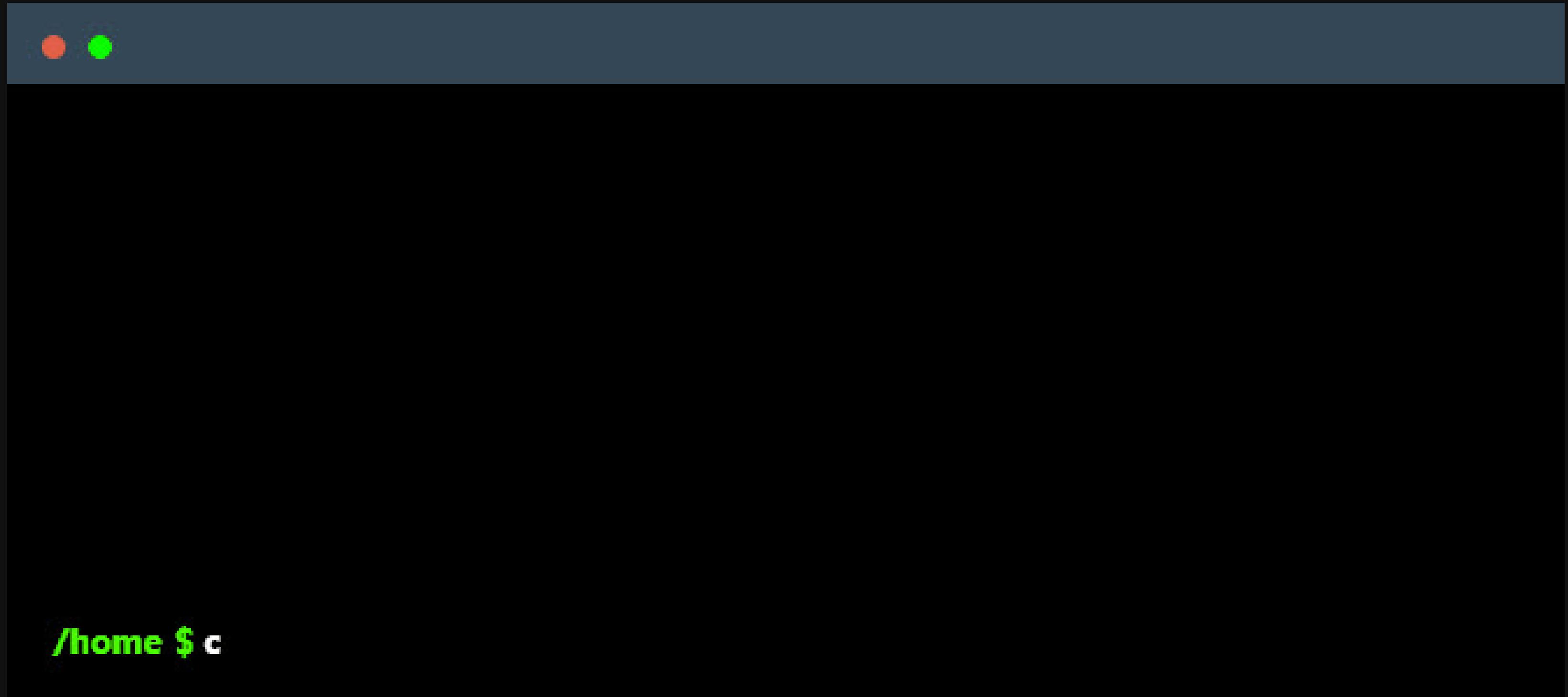
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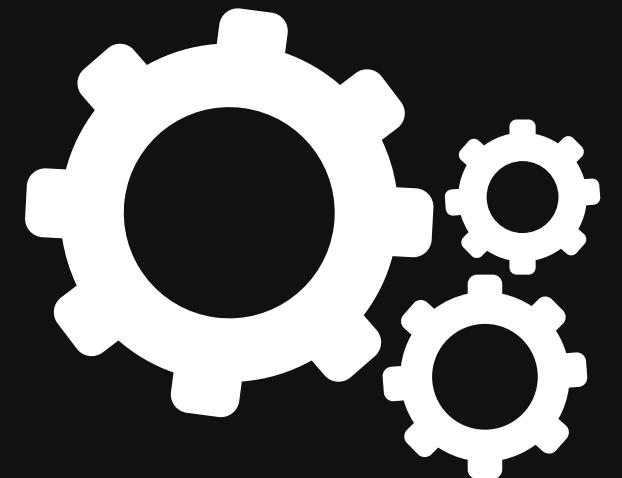
ADVANCED COMMANDS

Commands	Description	Syntax
uniq	To display the content of file in which every word will occur only once	uniq<file name>
df	Displays the disk space used in the file system	df

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CRON JOB



*

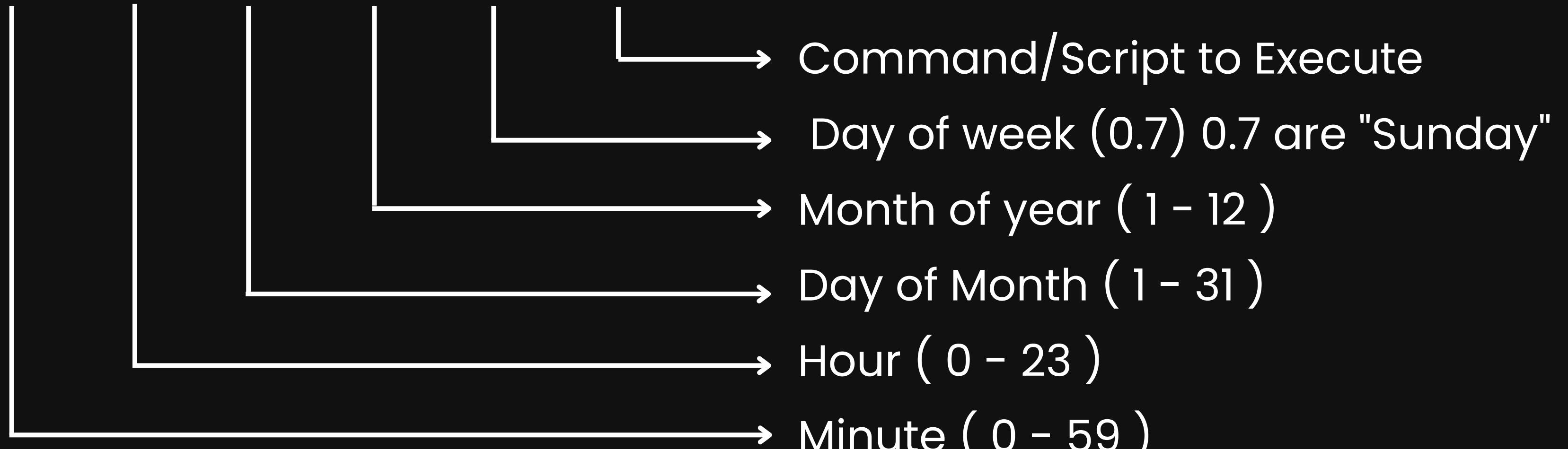
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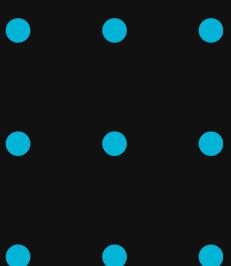
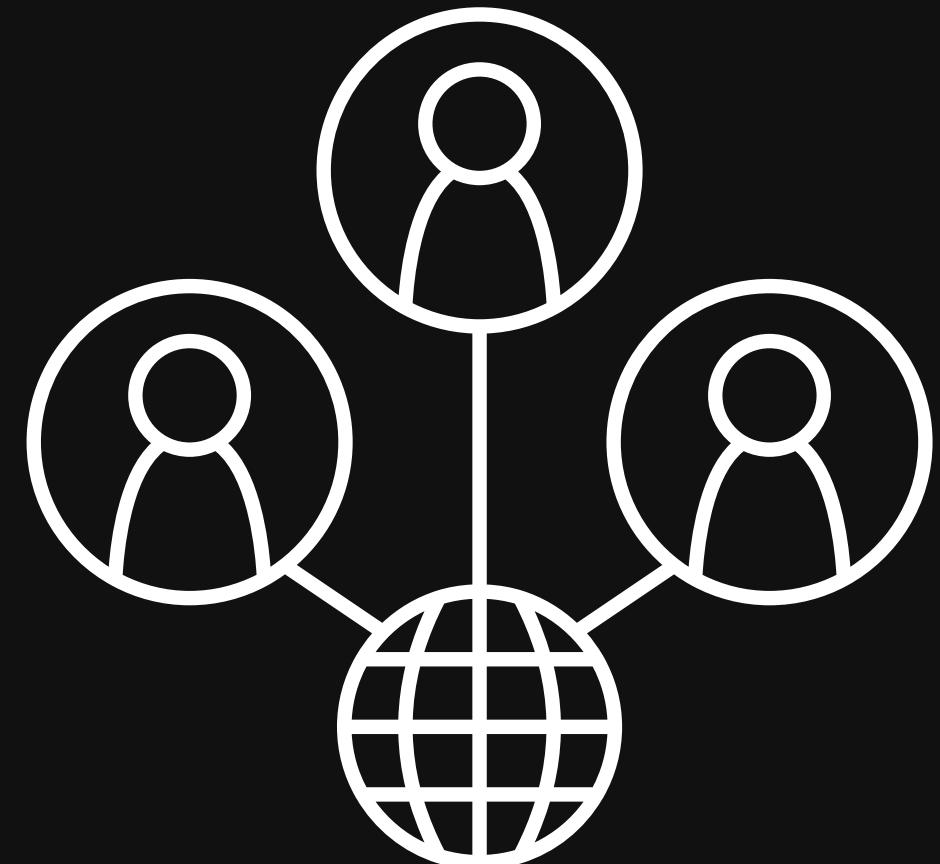
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/path/to/script.sh



NETWORKING COMMANDS



NETWORKING COMMANDS

Commands	Description	Syntax
ifconfig	To initialize an interface, enable or disable an interface	ifconfig
ip	To assign an IP address	ip a
...

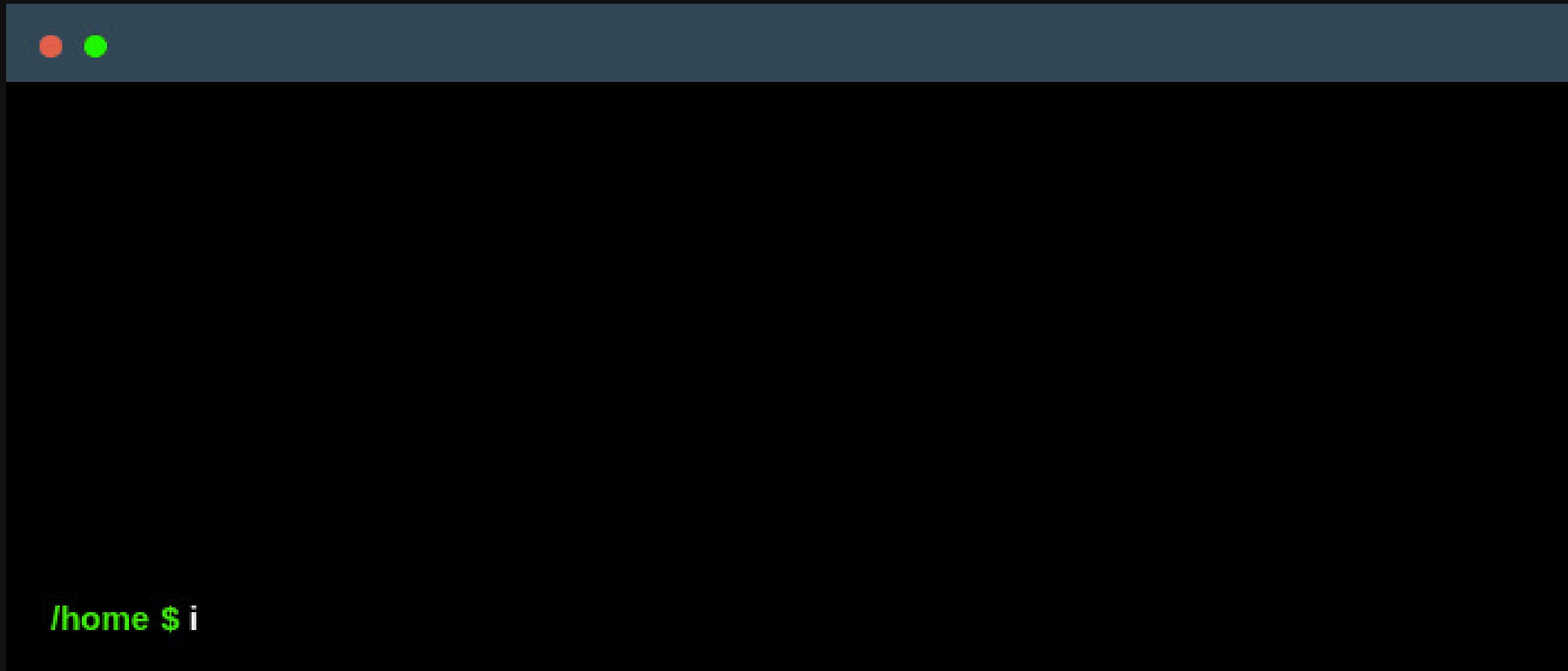
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NETWORKING COMMANDS

Commands	Description	Syntax
hostname	To set and display the hostname of system	hostname
host	DNS lookup operation	host<domain name> or host <address>
...

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NETWORKING COMMANDS

Commands	Description	Syntax
nmap	Tool for network exploration	nmap<hostname> OR nmap <ip address>
nslookup	To find domain name system related queries	nslookup <domainName>
...

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NETWORKING COMMANDS

Commands	Description	Syntax
ping	To check whether a system is accessible or not	ping <network name>
traceroute	To Find the route of a packet	traceroute [options] host_Address [pathlength]
...

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