EXTERNSHIP PROGRAM – CYBER SECURITY AND ETHICAL HACKING

Title: Linux Command List Assessment

Name : Periyakkal.A

Reg no : 20BCI0189

Instructions:-

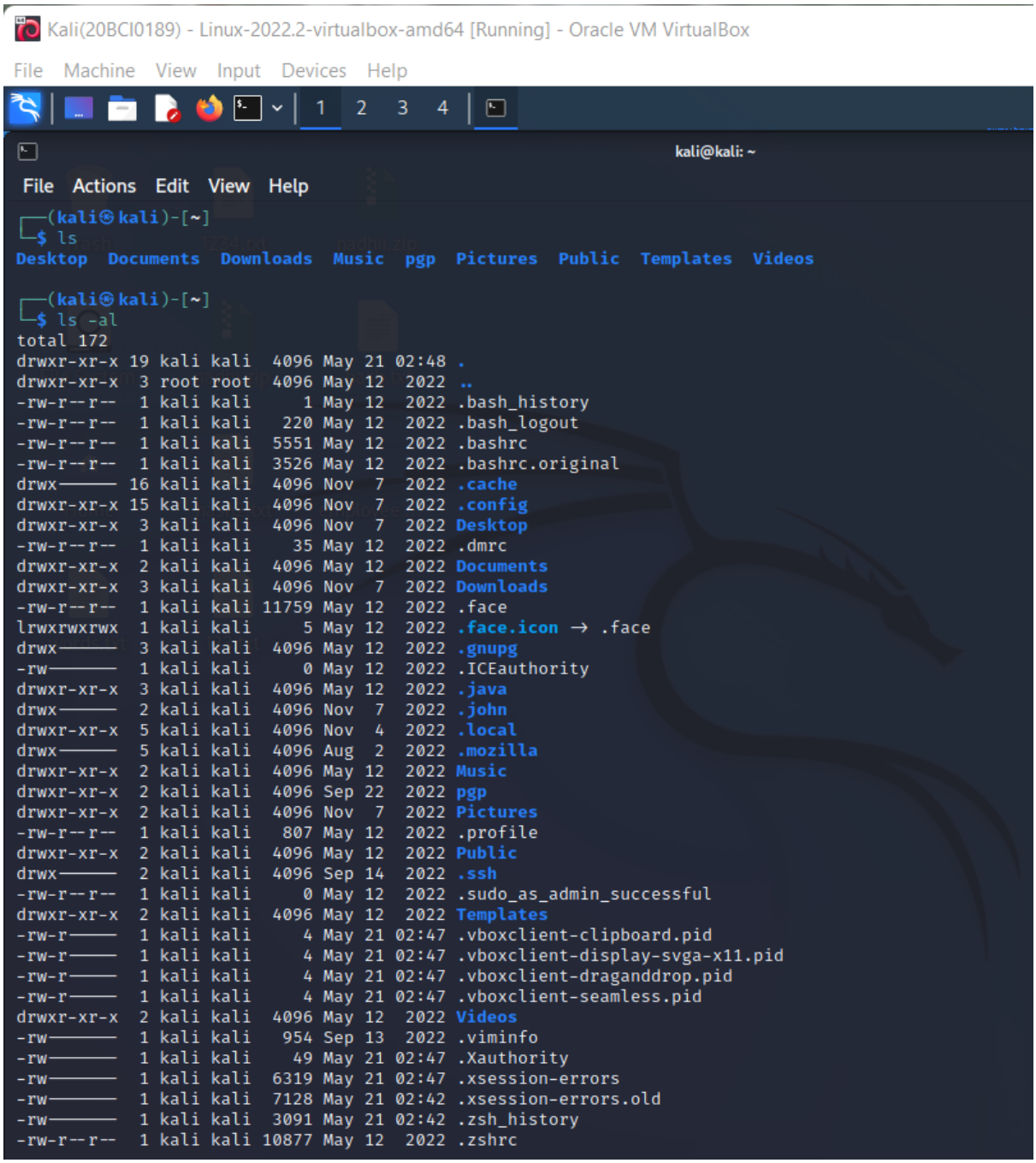
The following assessment aims to test your understanding and practical knowledge of various Linux commands. Perform the tasks given below using the appropriate commands. Write down the command(s) used to complete each task. You can use any Linux distribution or command-line interface of your choice. Ensure that you provide the correct output or results for each task.

Note: It is recommended to perform this assessment on a Linux machine or virtual environment.

Name : Periyakkal.A Reg no : 20BCI0189

File and Directory Operations:

ls: List files and directories



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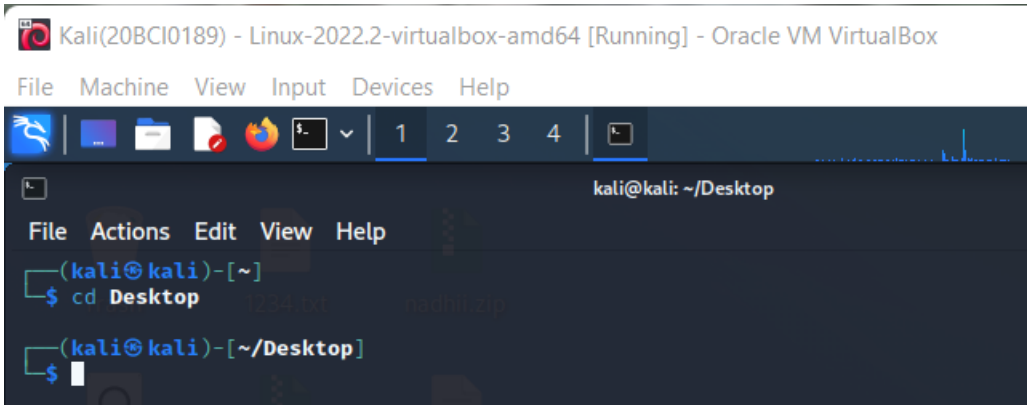
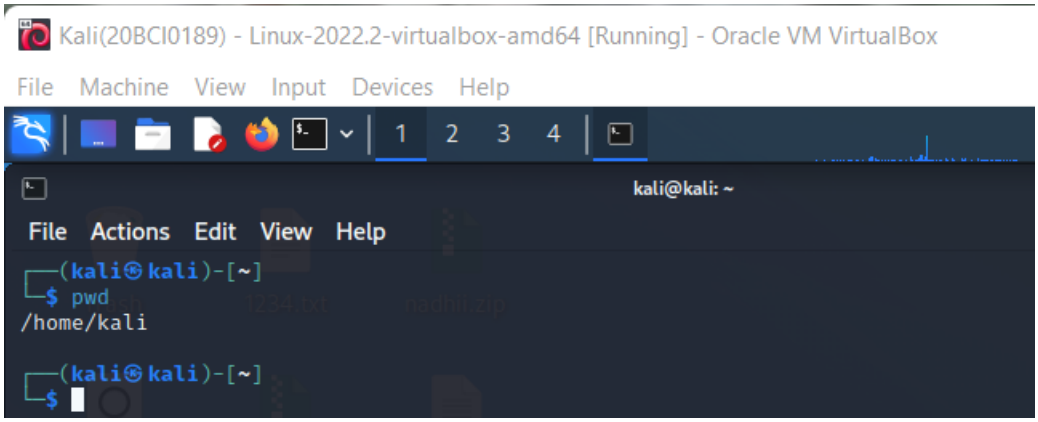
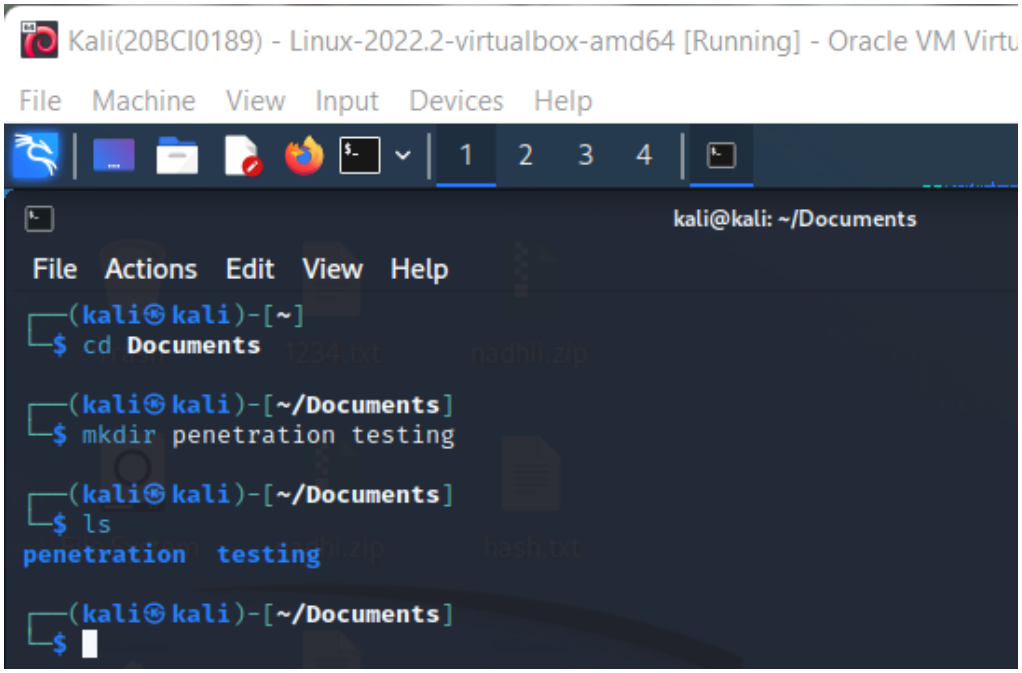
cd: Change directory



pwd: Print working directory



mkdir: Make directory



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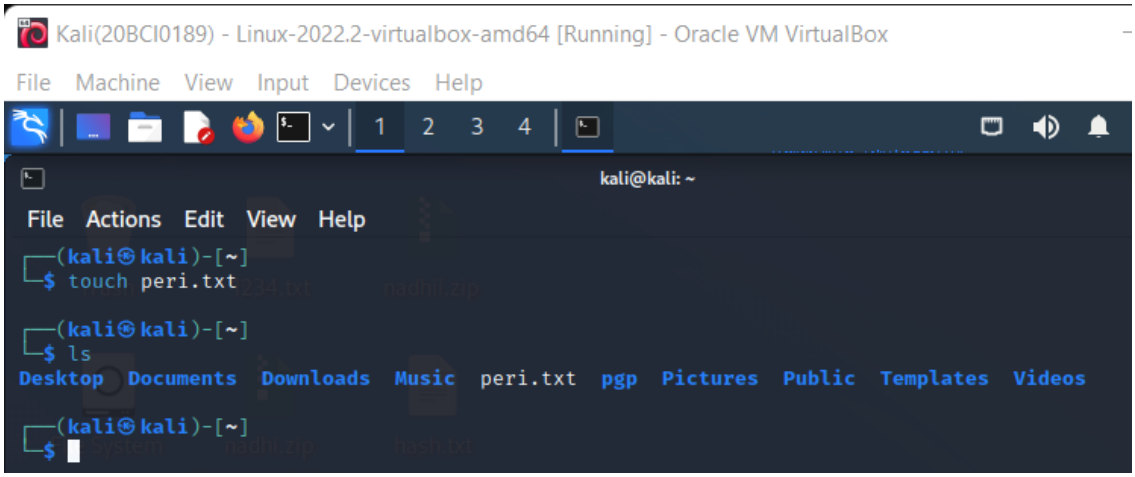
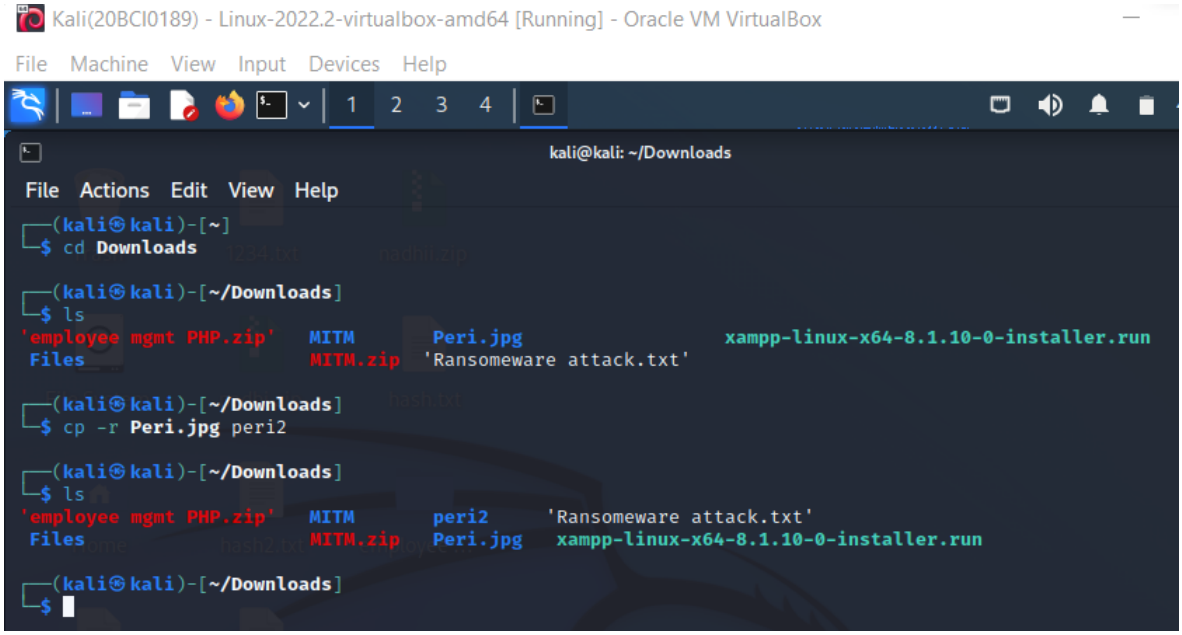
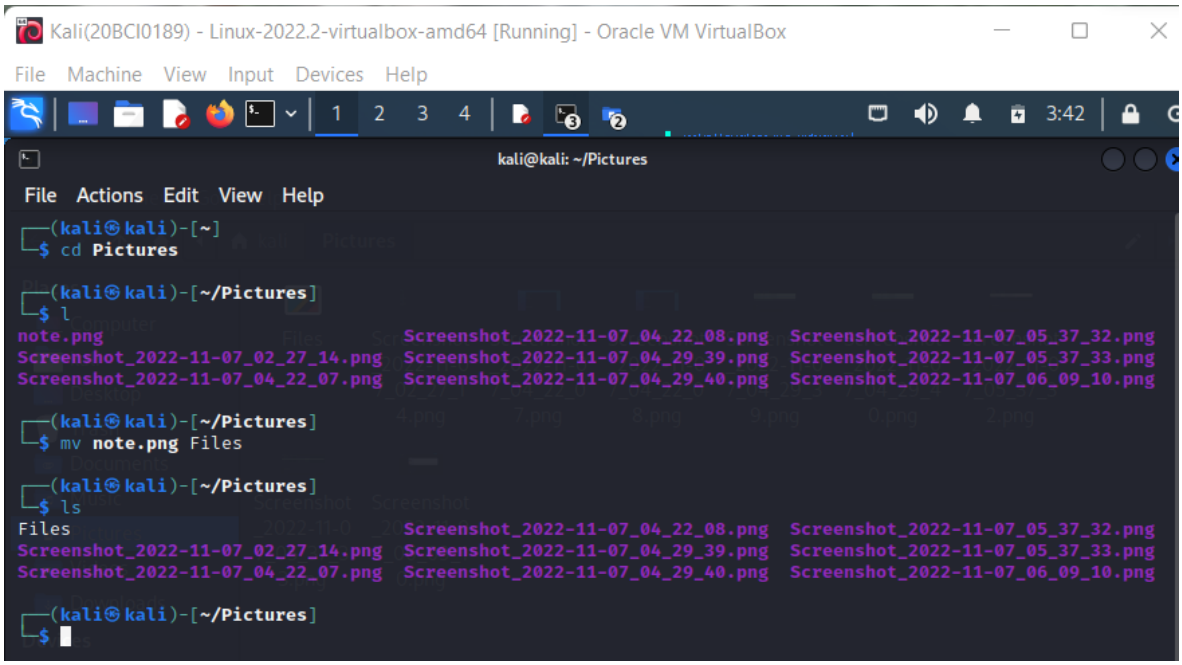
touch: Create an empty file



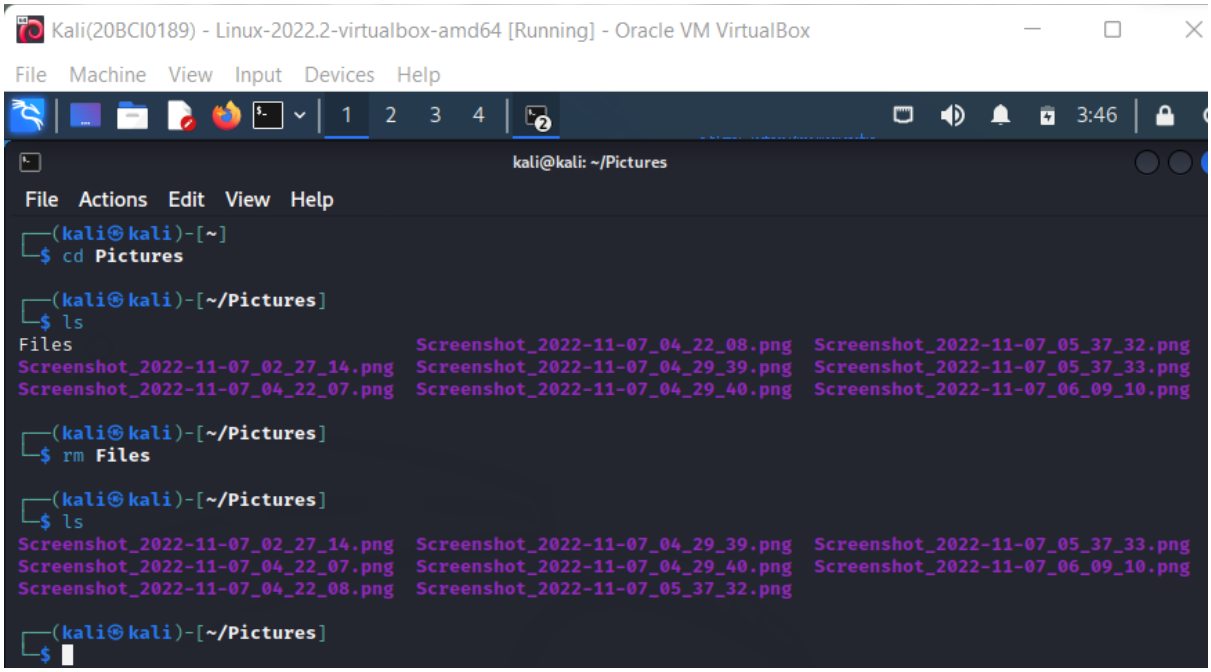
cp: Copy files and directories



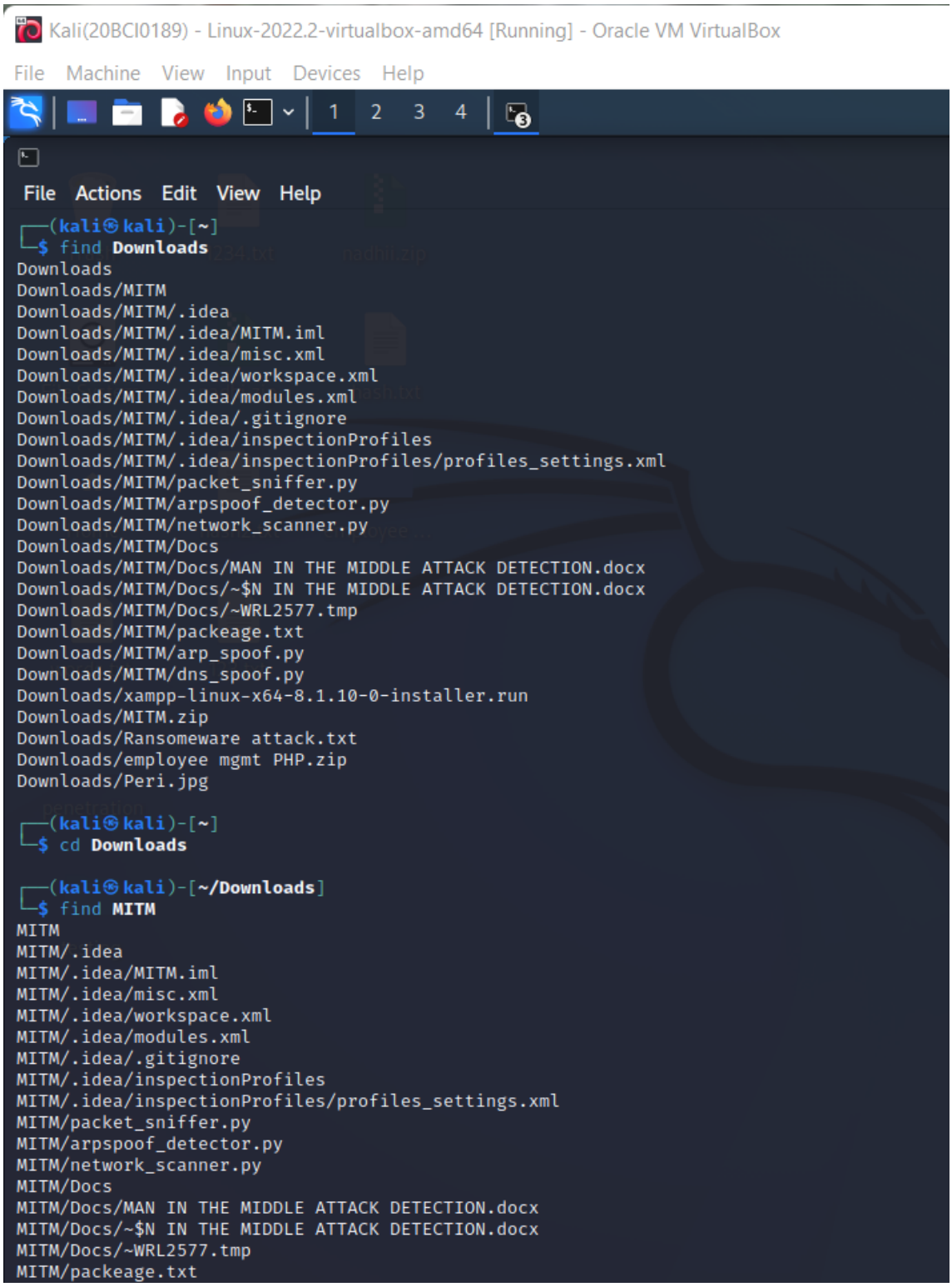
mv: Move or rename files and directories



rm: Remove files and directories



find: Search for files and directories



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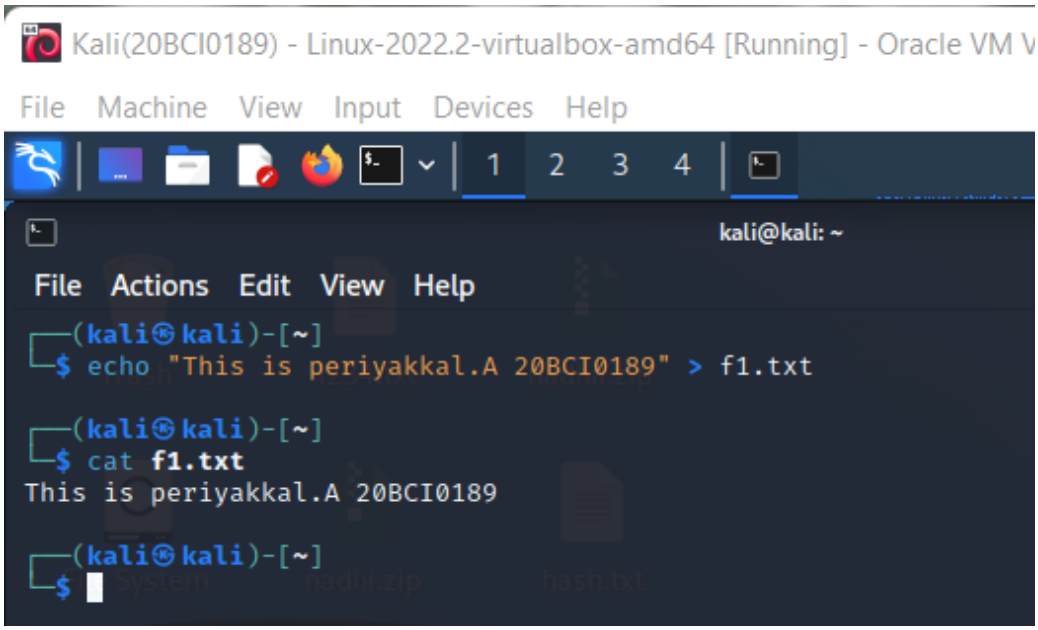
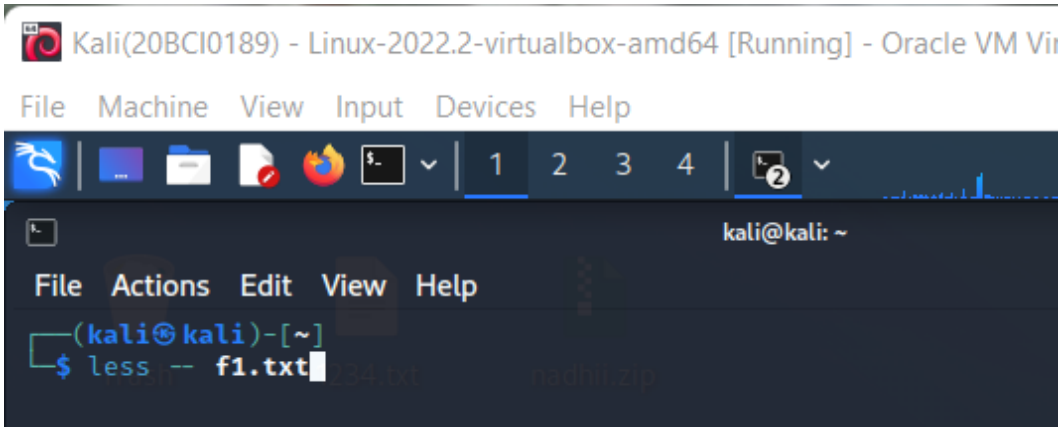
File Viewing and Editing:

cat: Concatenate and display file content



less: View file content with pagination



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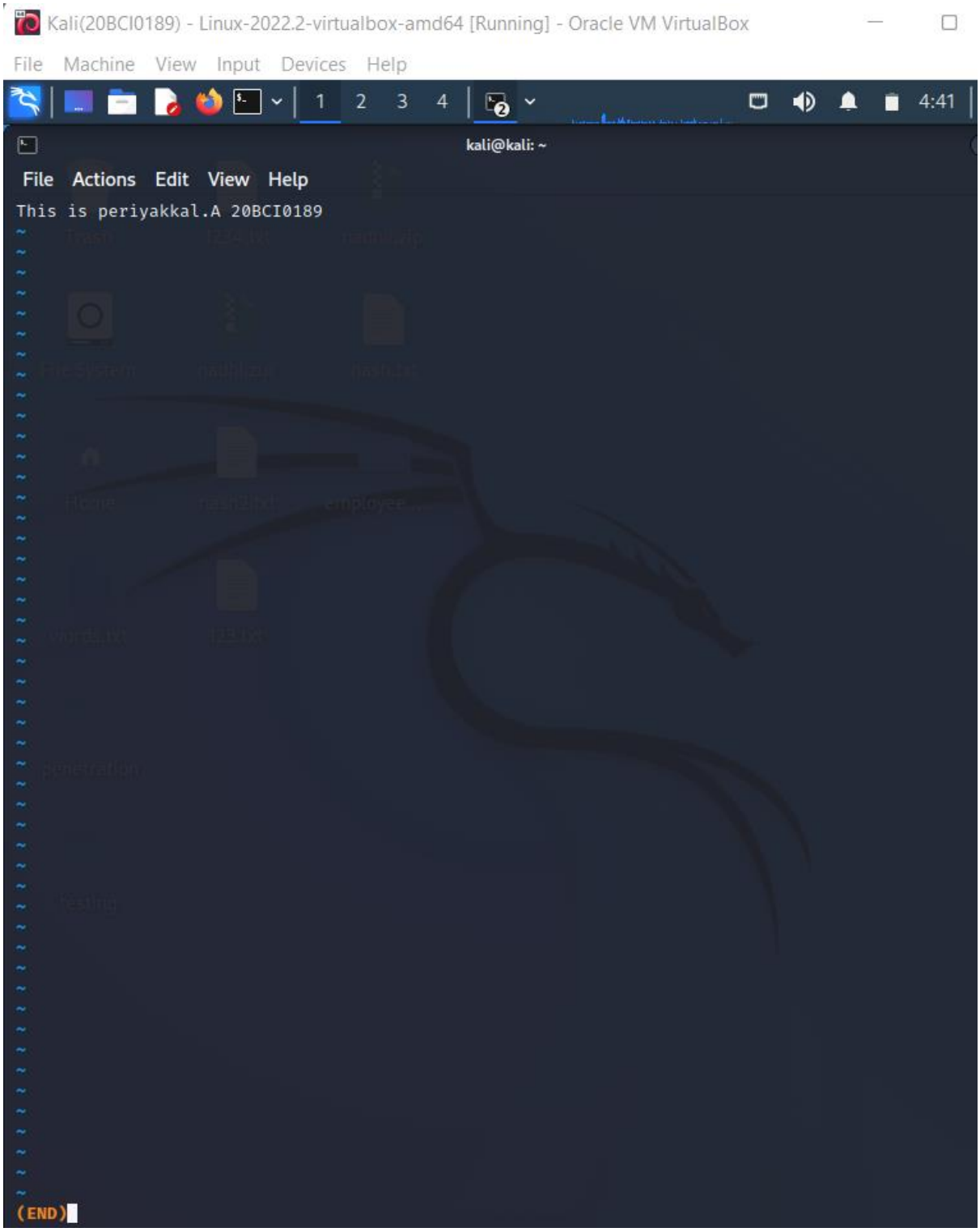

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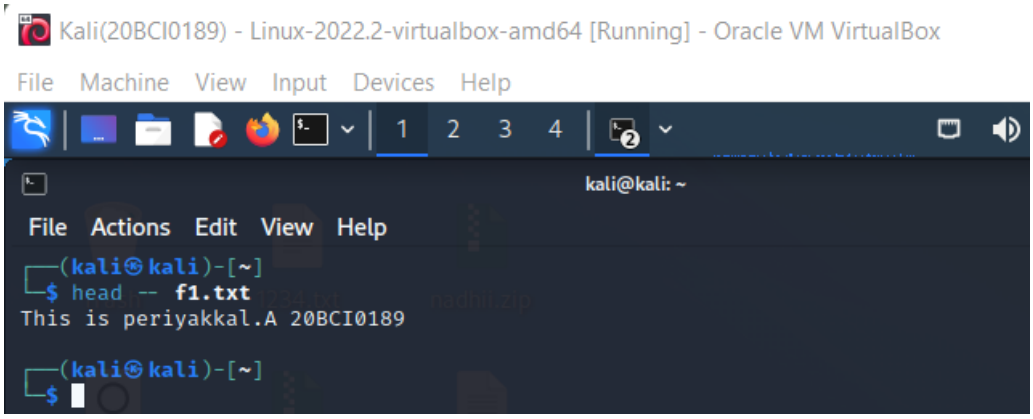
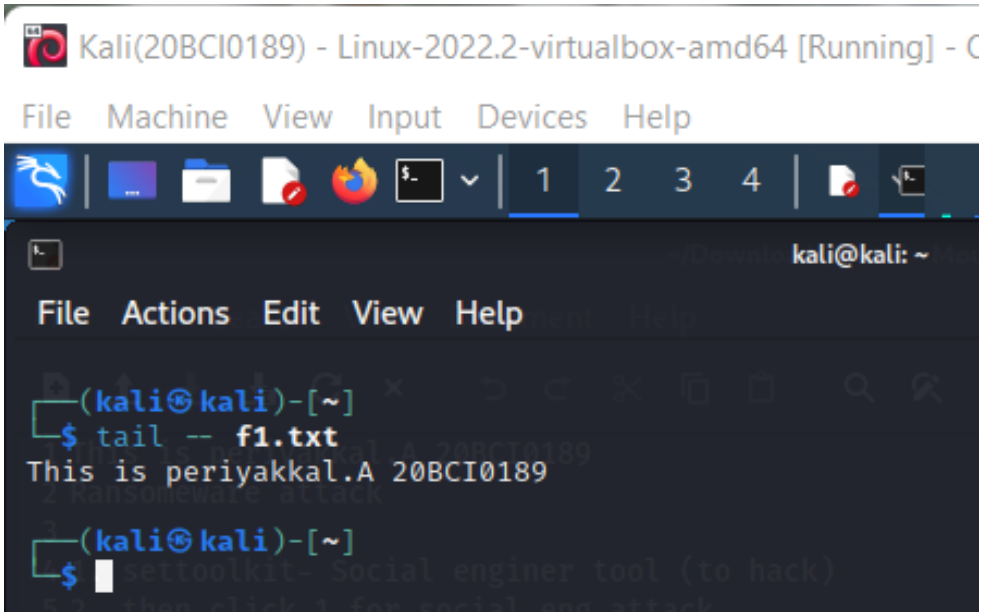
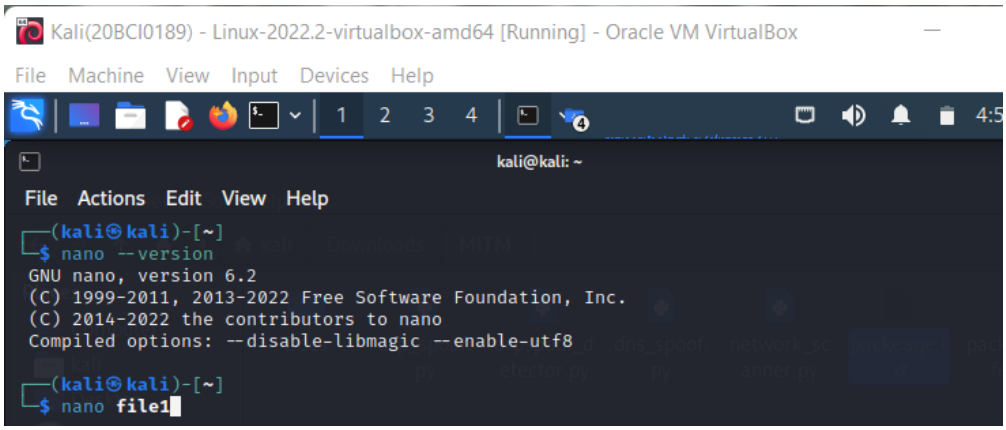
head: Display the beginning of a file



tail: Display the end of a file



nano: Text editor for creating and editing files



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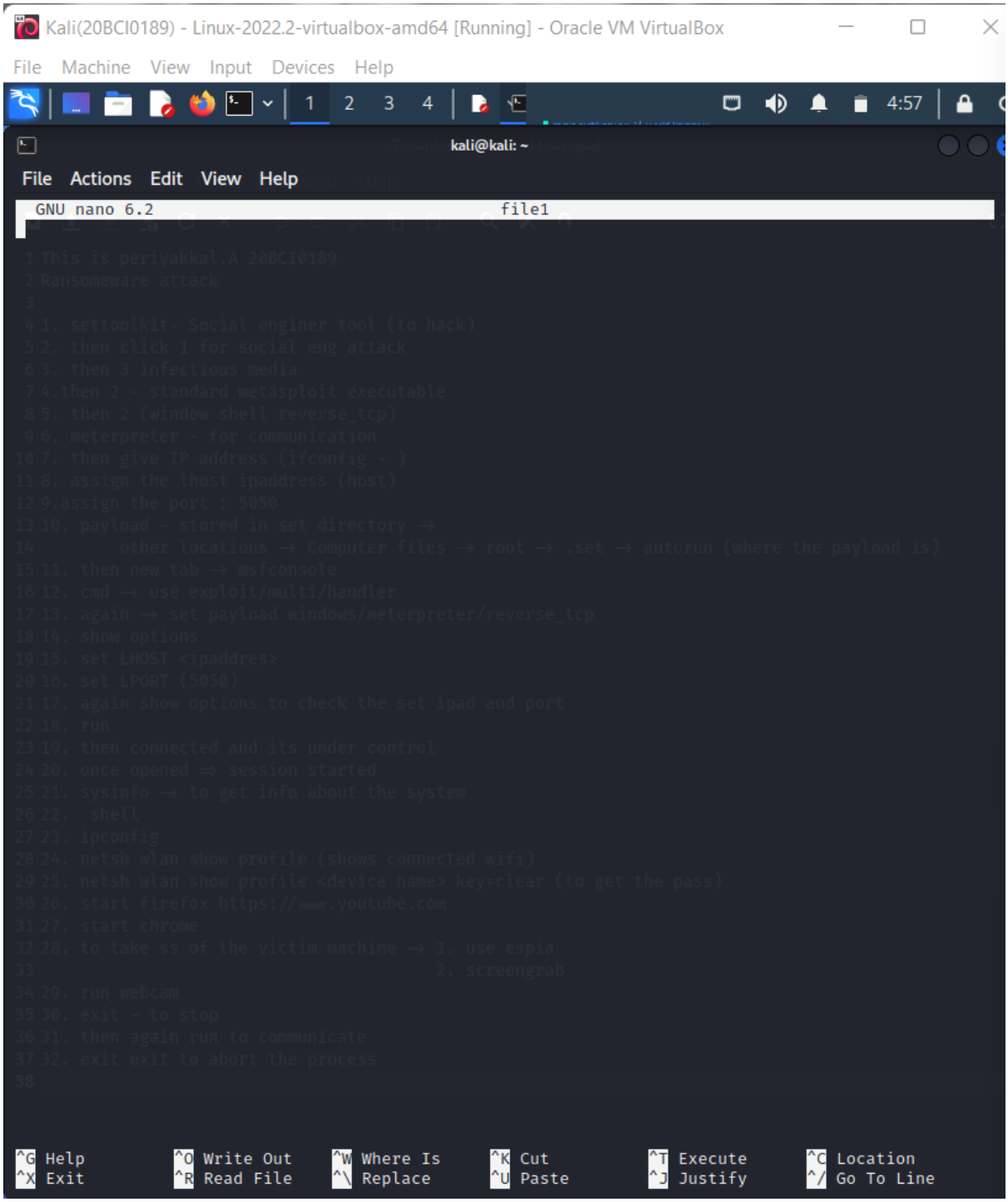

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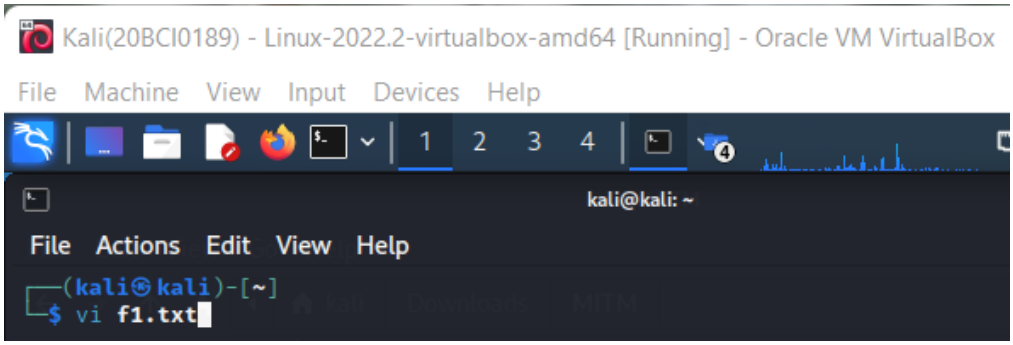
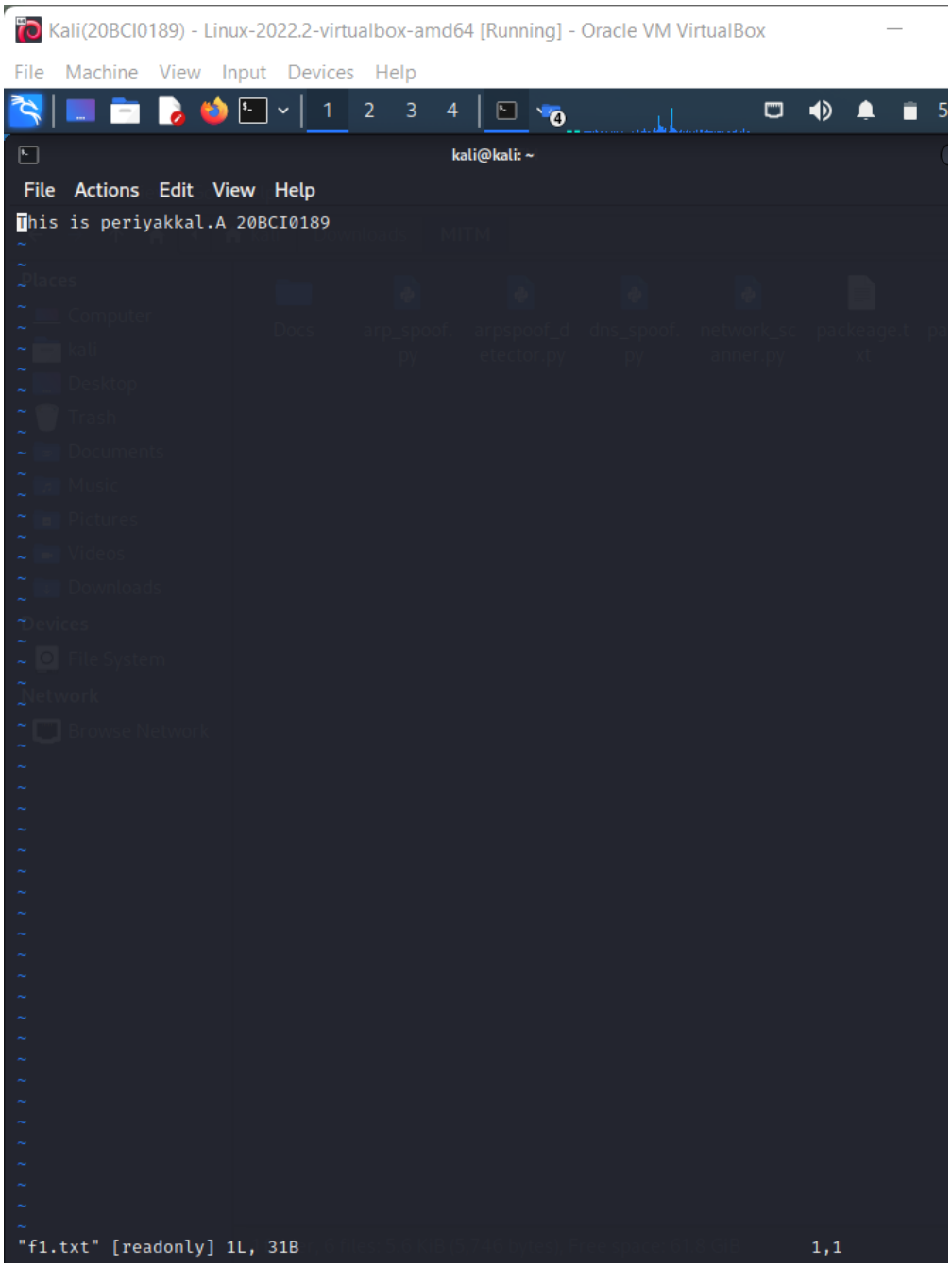
vi/vim: Powerful text editor for experienced users





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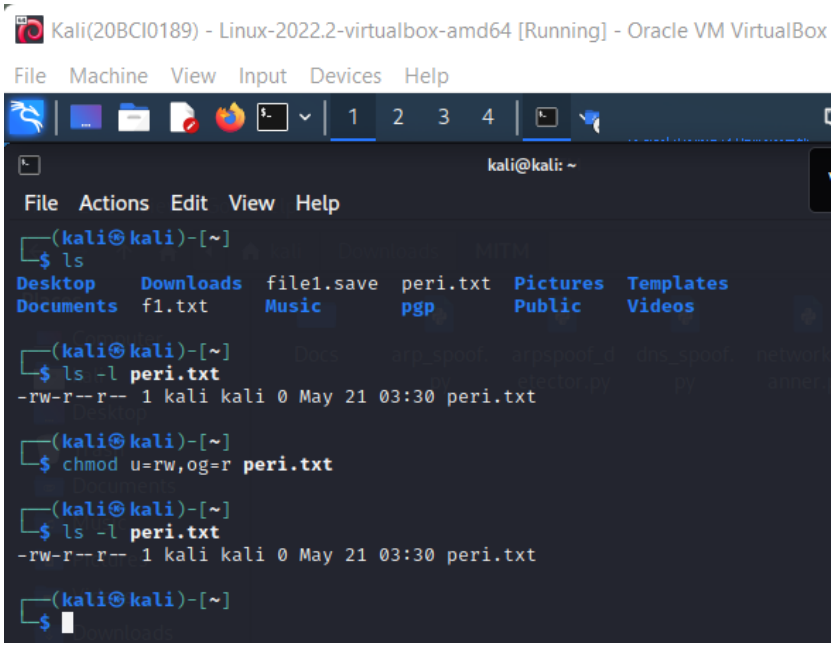
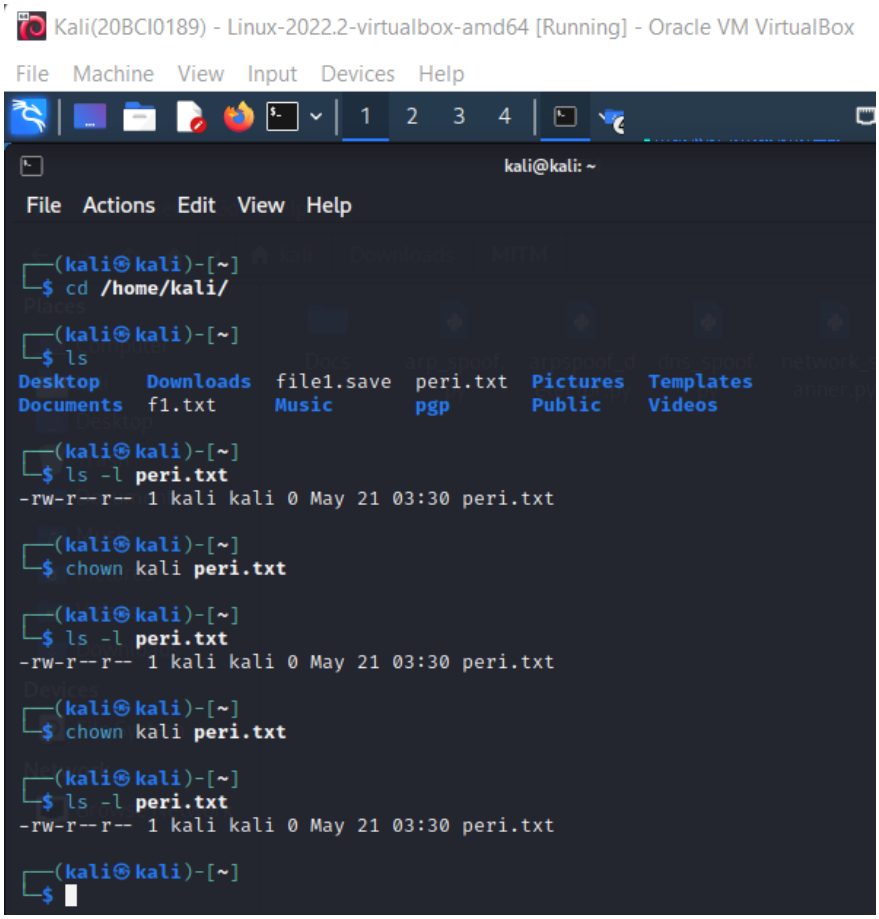
File Permissions:

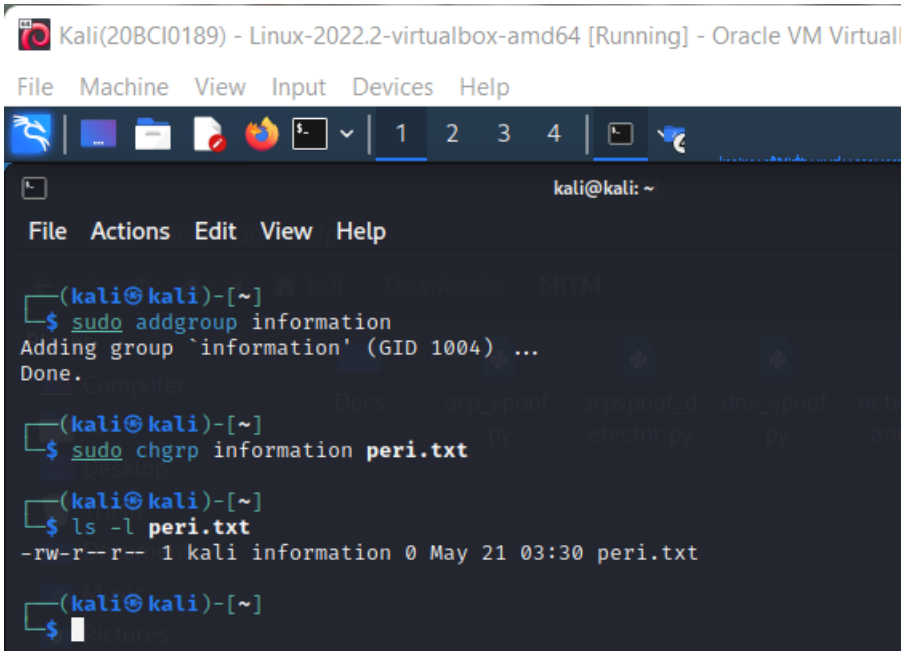
chmod: Change file permissions



chown: Change file owner



chgrp: Change file group



File Compression and Archiving:

tar: Archive files

Commands :

- tar cvf f.tar*
- tar xvf f.tar
- tar tvf f.tar

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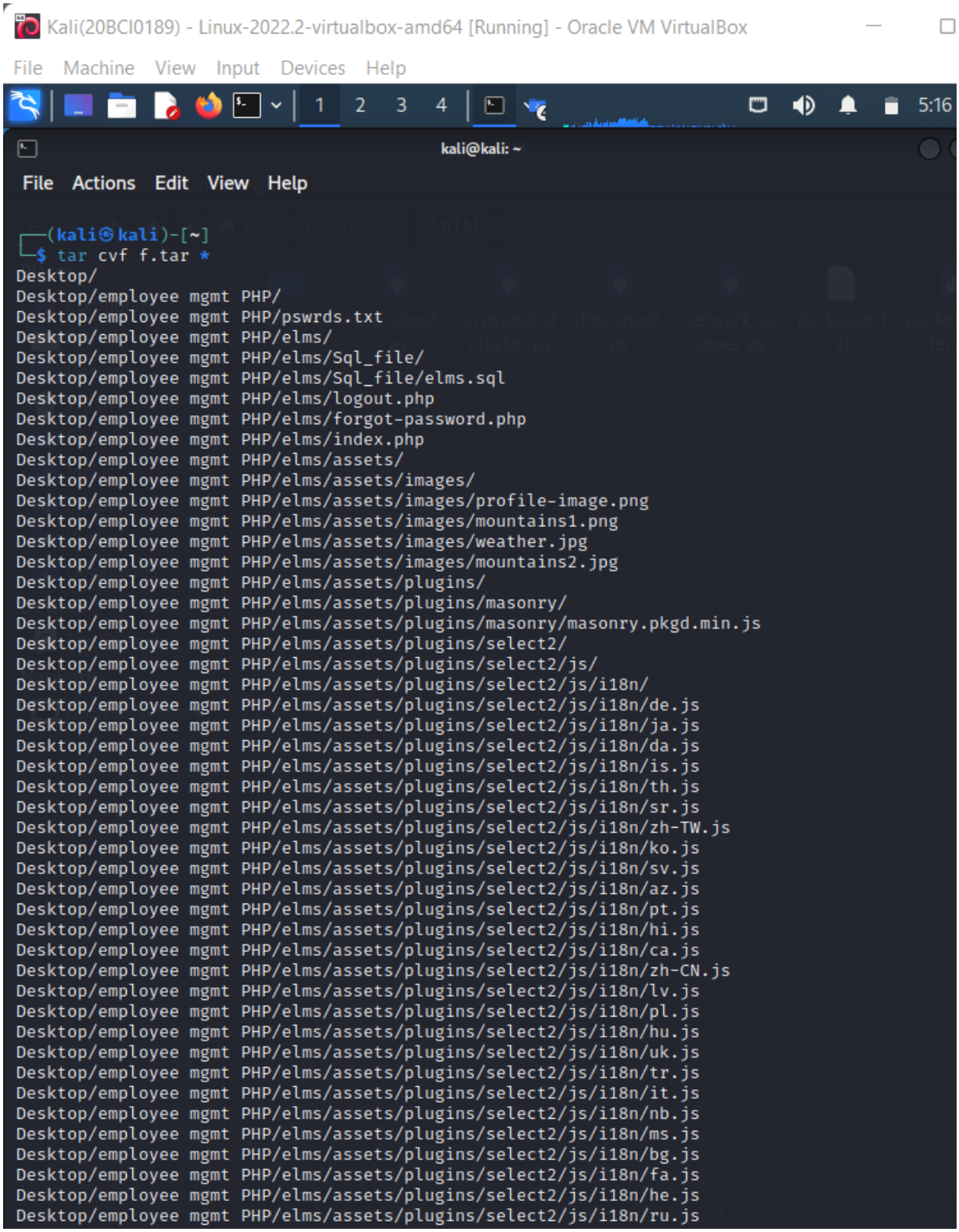
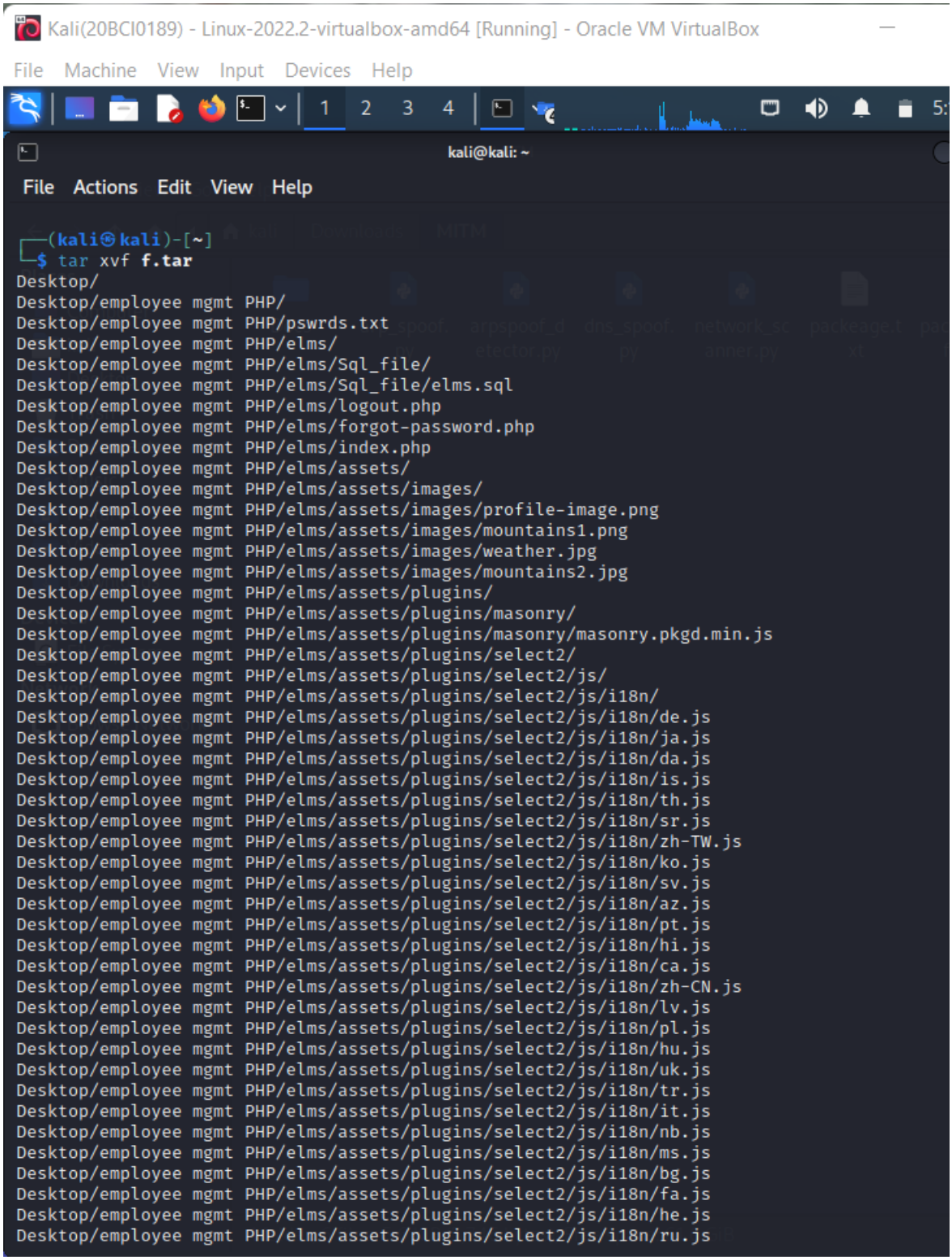


Name : Periyakkal.A Reg no : 20BCI0189



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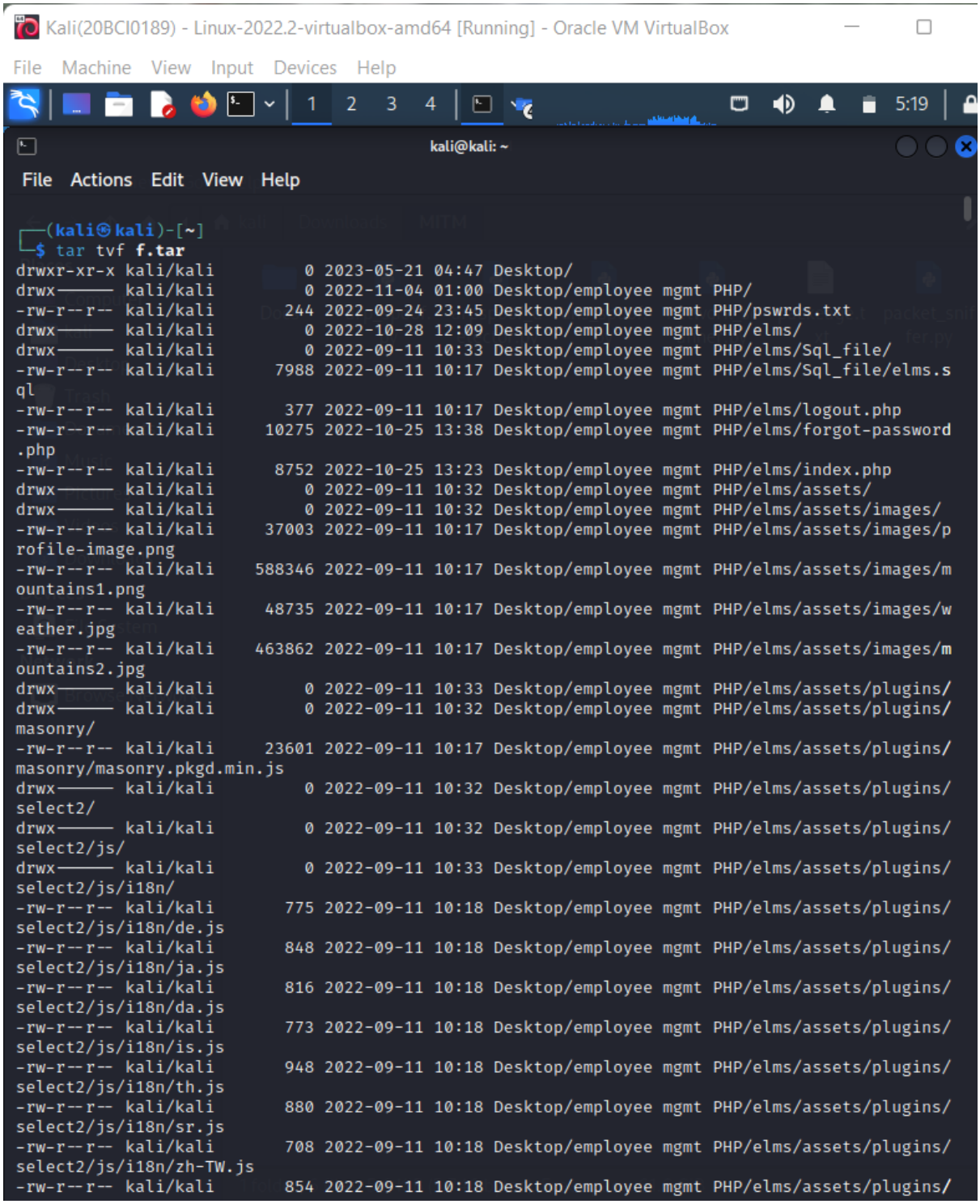

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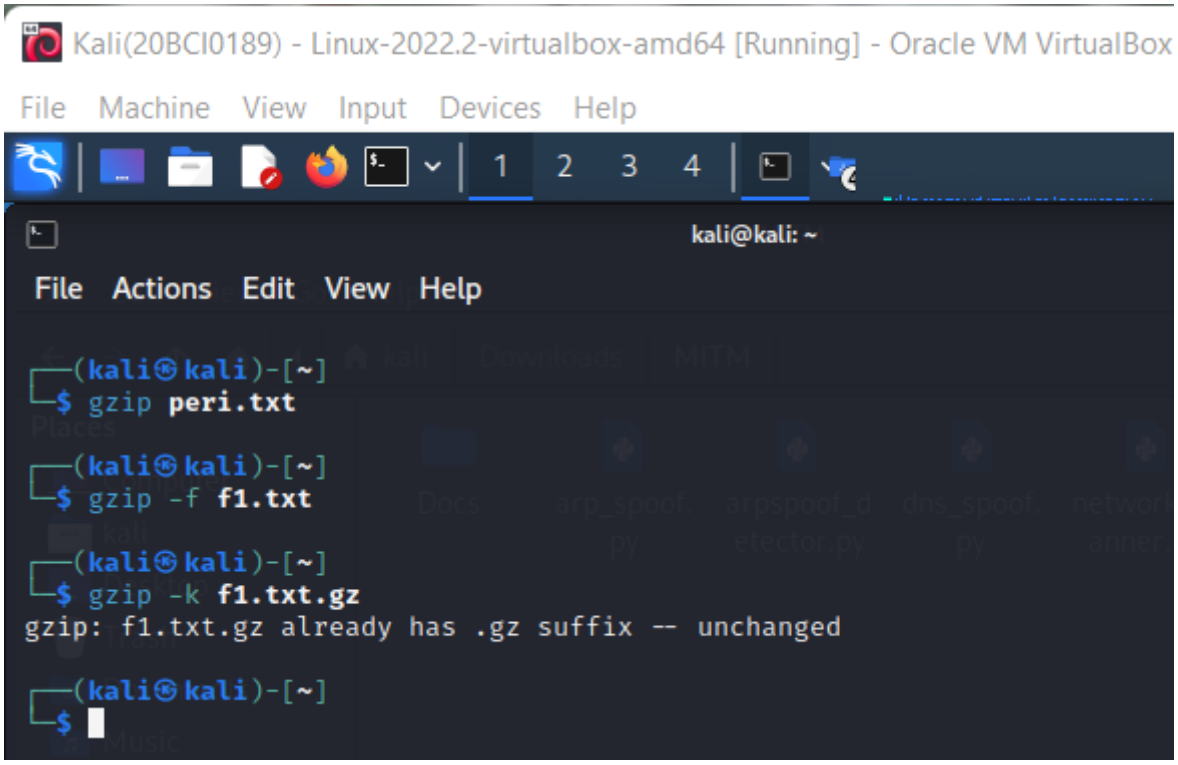
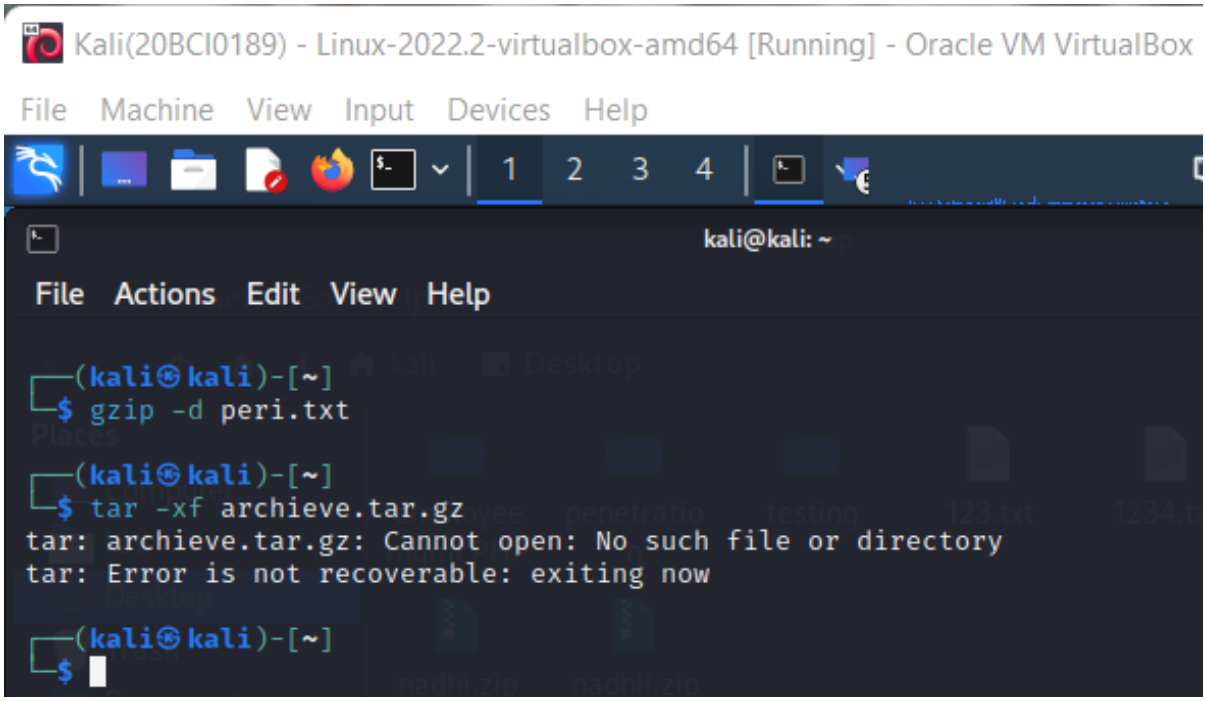
gzip: Compress files



unzip: Extract files from a ZIP archive



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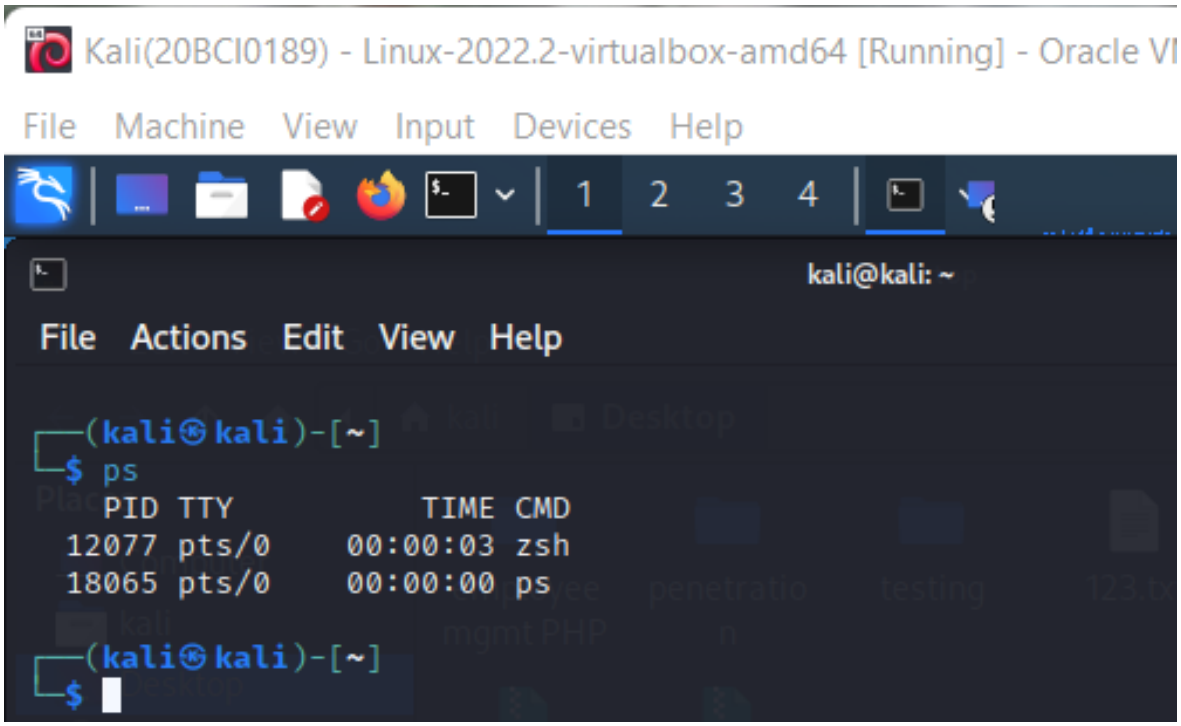
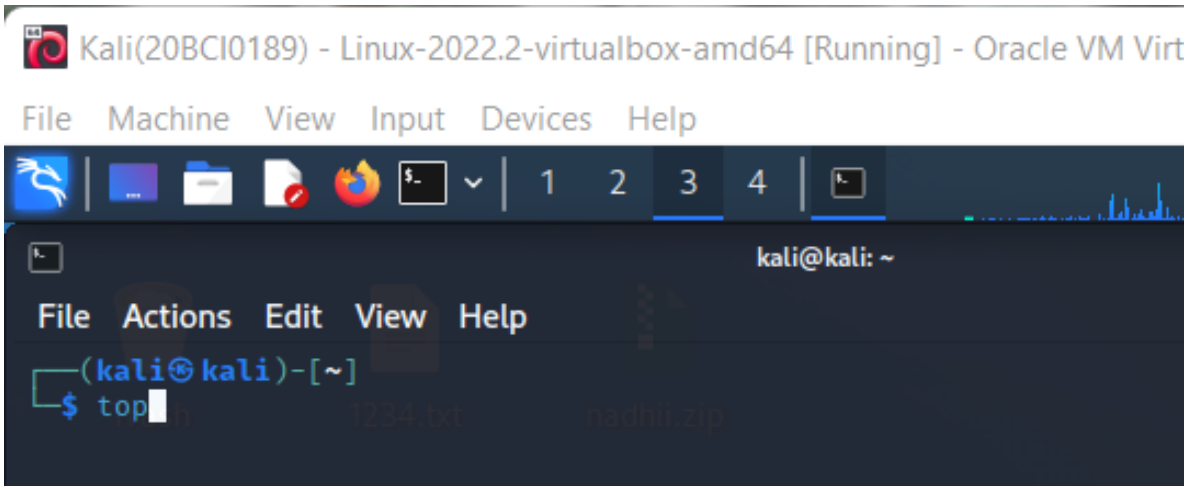
Process Management:

ps: List running processes



top: Display real-time system information and processes



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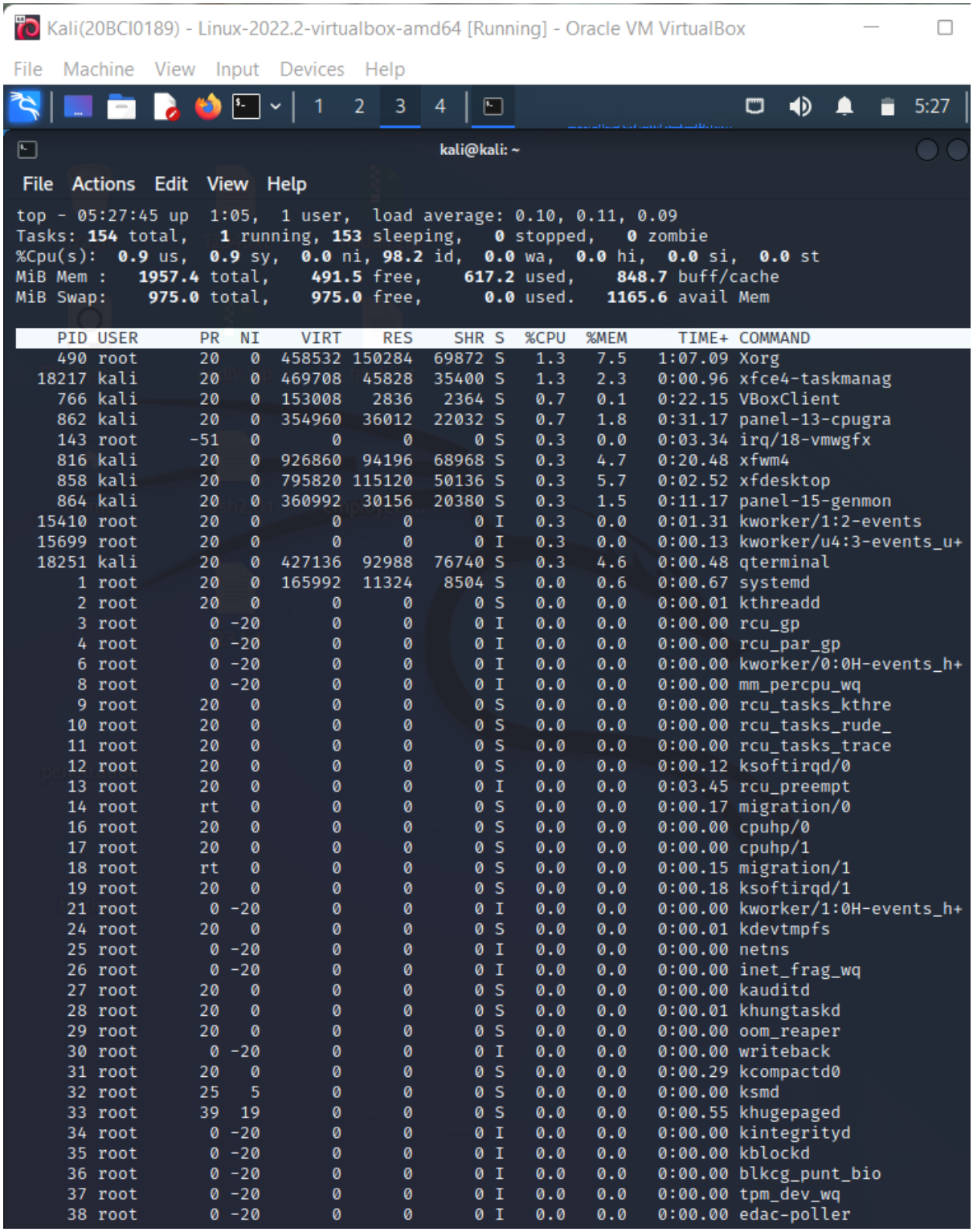

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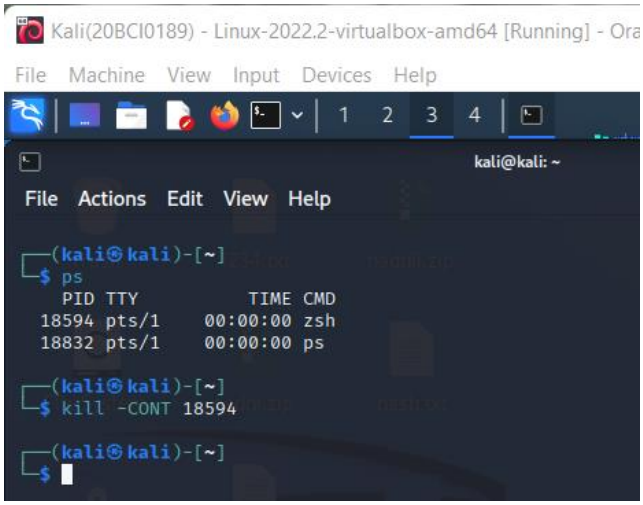
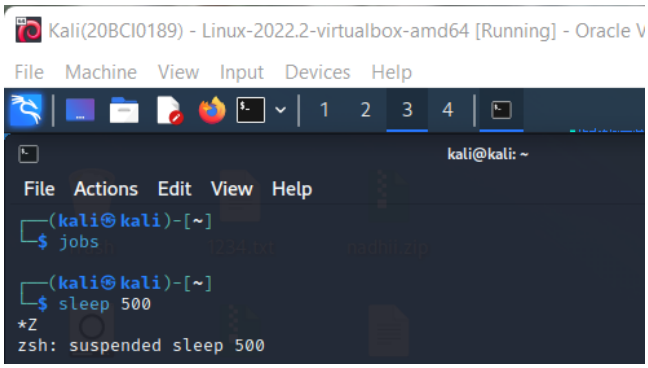
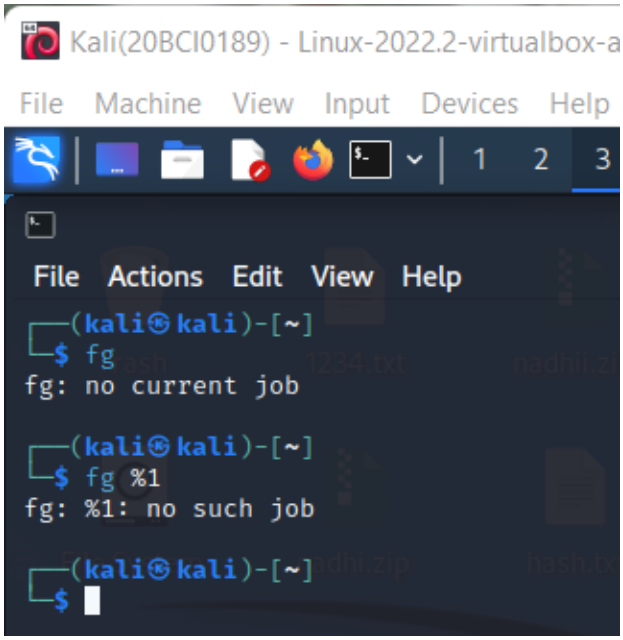
kill: Terminate processes



bg: Run processes in the background



fg: Bring background processes to the foreground



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System Information:

uname: Print system information

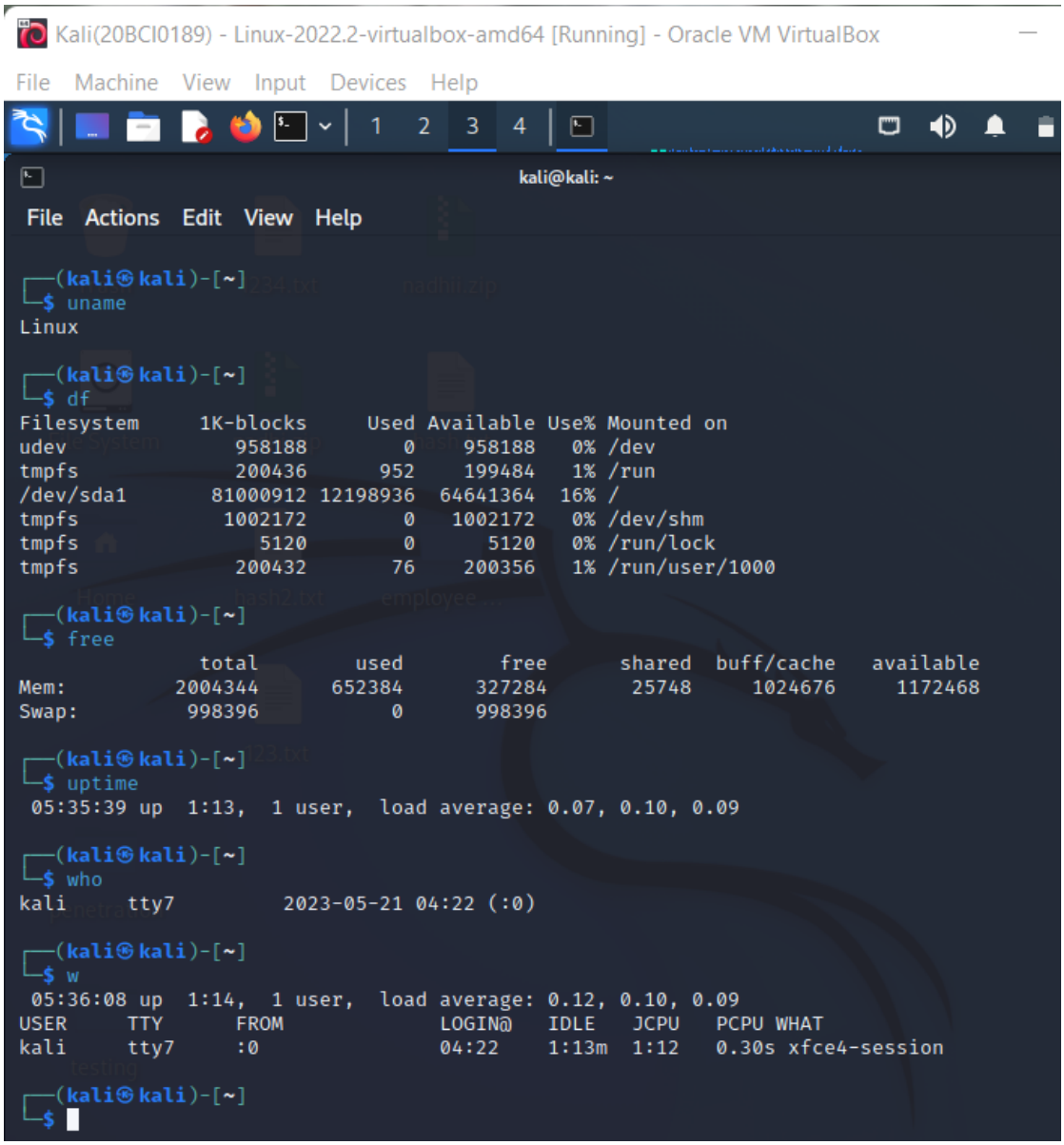
df: Display disk space usage

free: Display memory usage

uptime: Show system uptime

who: Display logged-in users

w: Display logged-in users and their activities



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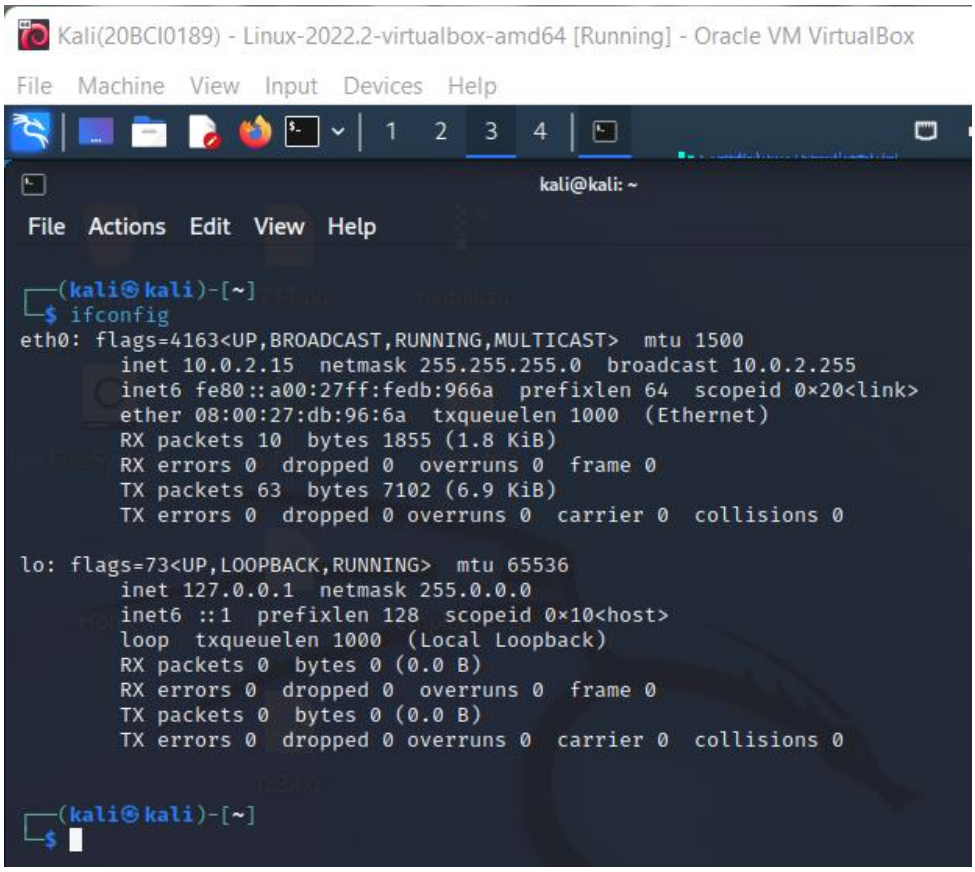
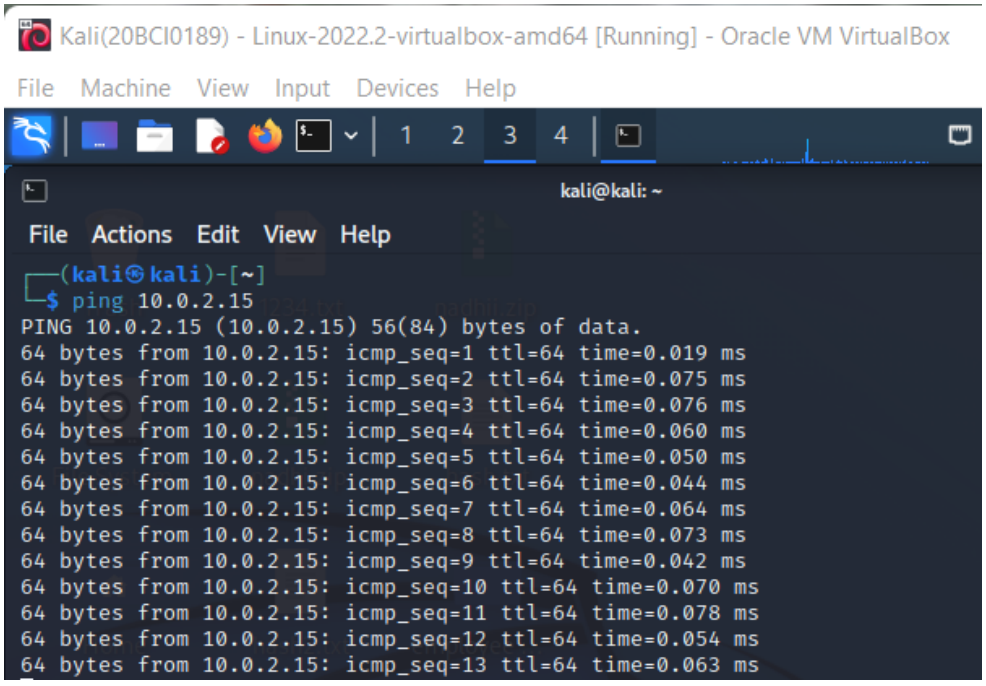
Networking:

ifconfig: Configure network interfaces



ping: Send ICMP echo requests to a network host



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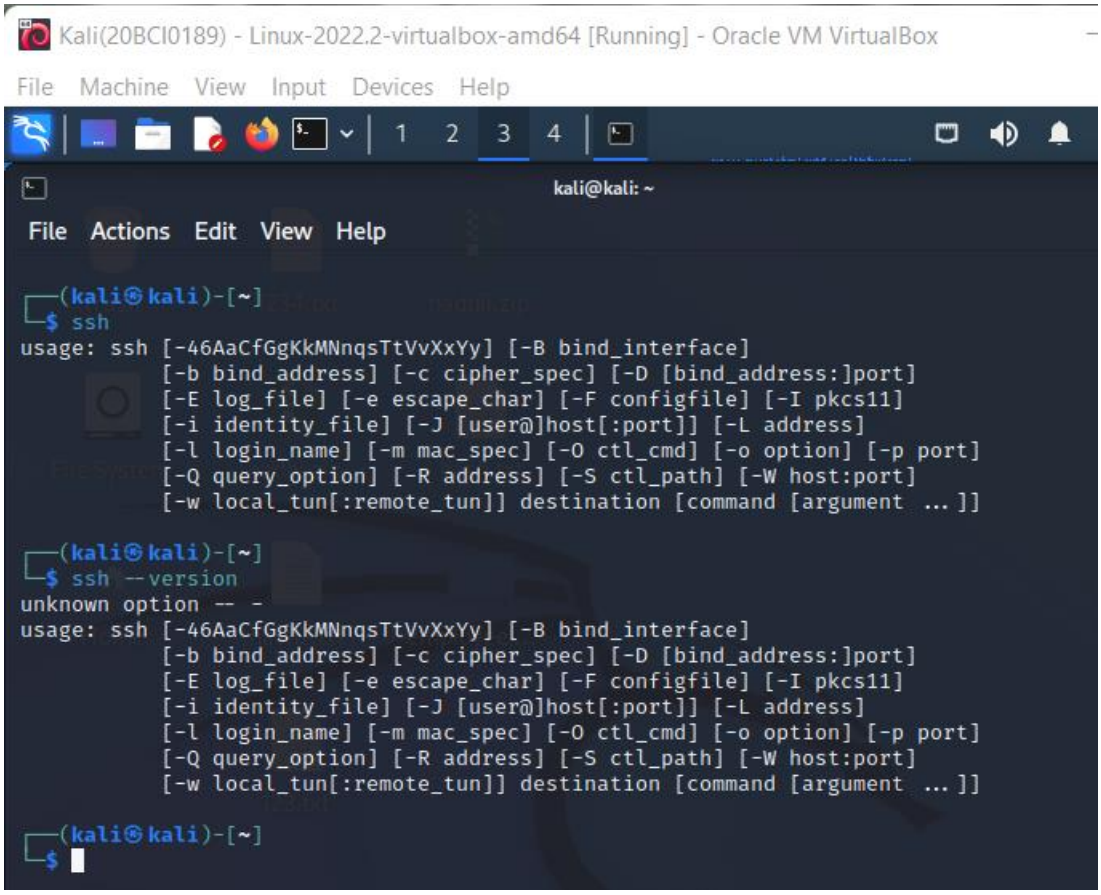
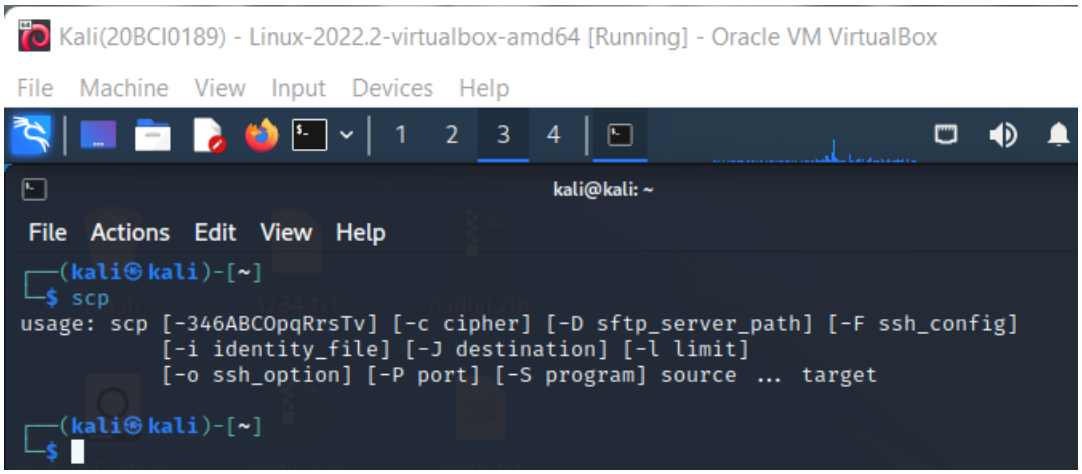
ssh: Securely connect to a remote system



scp: Securely copy files between systems



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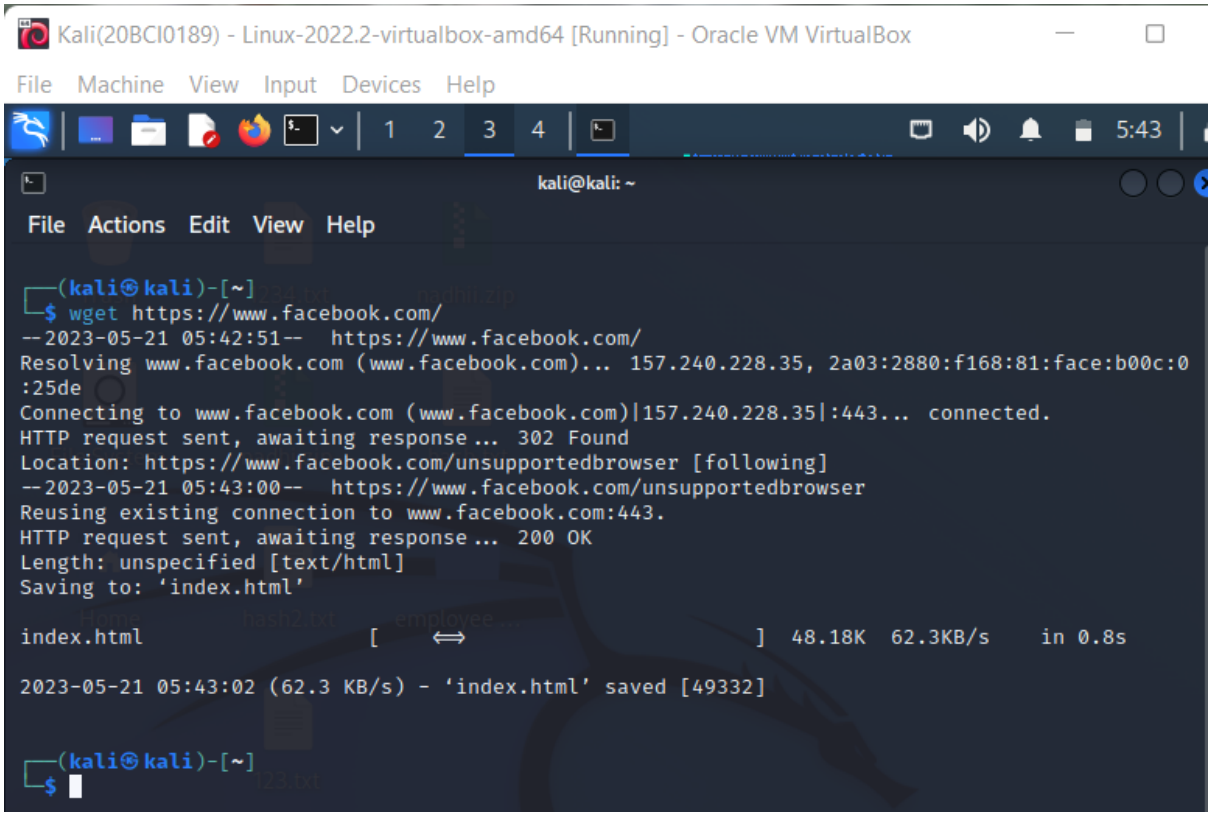
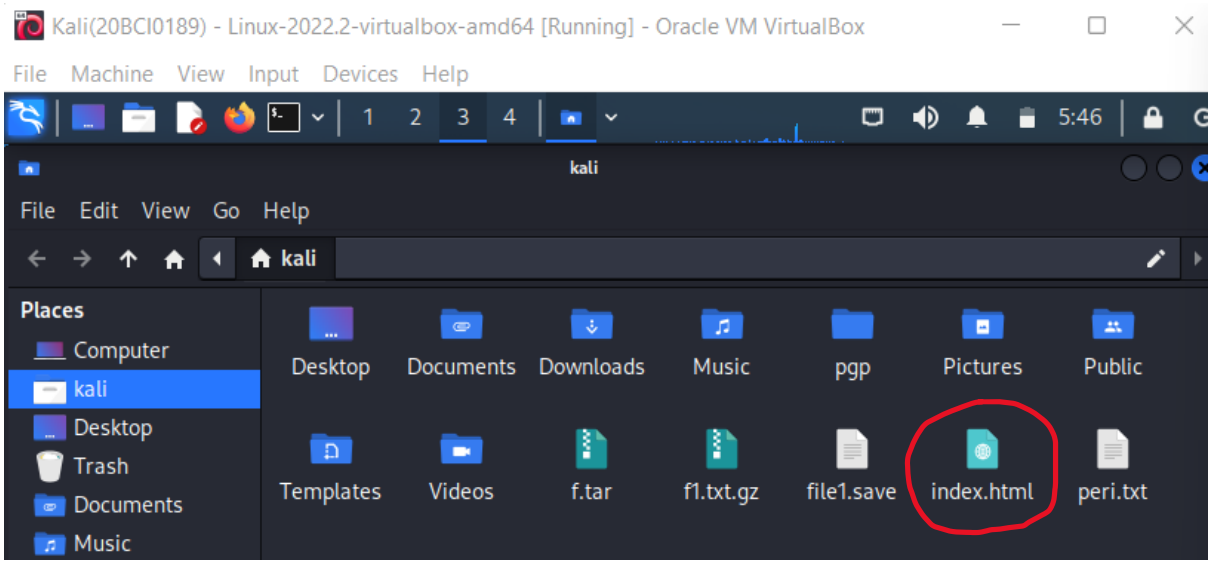
wget: Download files from the web





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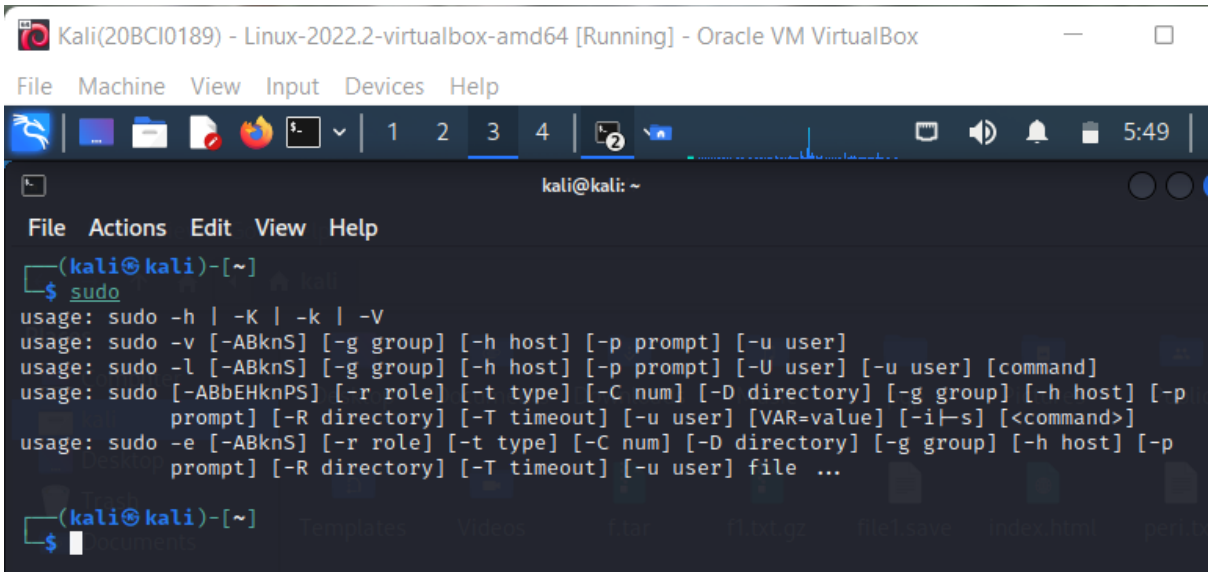
System Administration:

sudo: Execute commands with superuser privileges



yum: Package management for Red Hat-based distributions

(In kali linux Yum not used , so this is Skipped)

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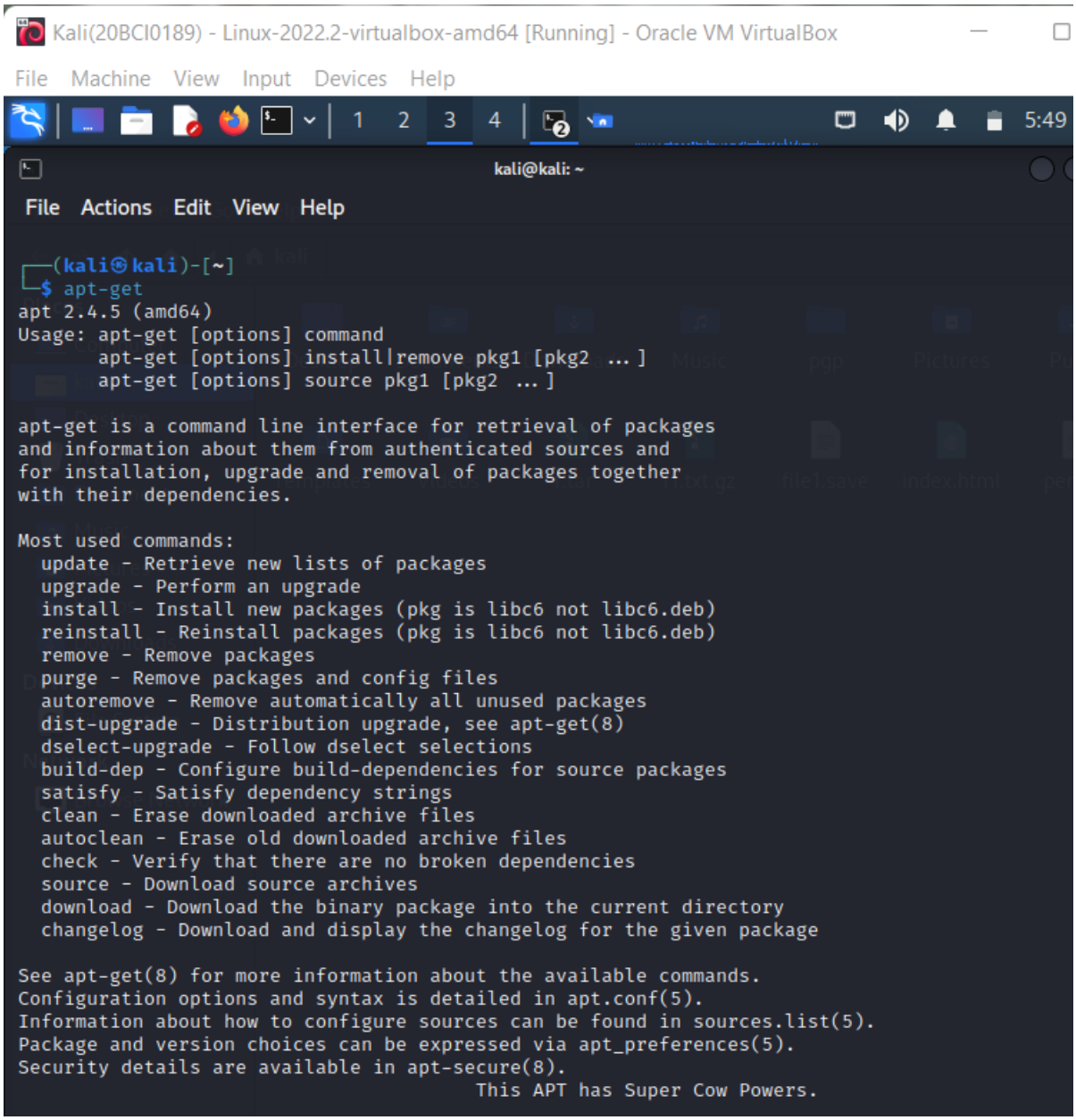
apt-get: Package management for Debian-based distributions



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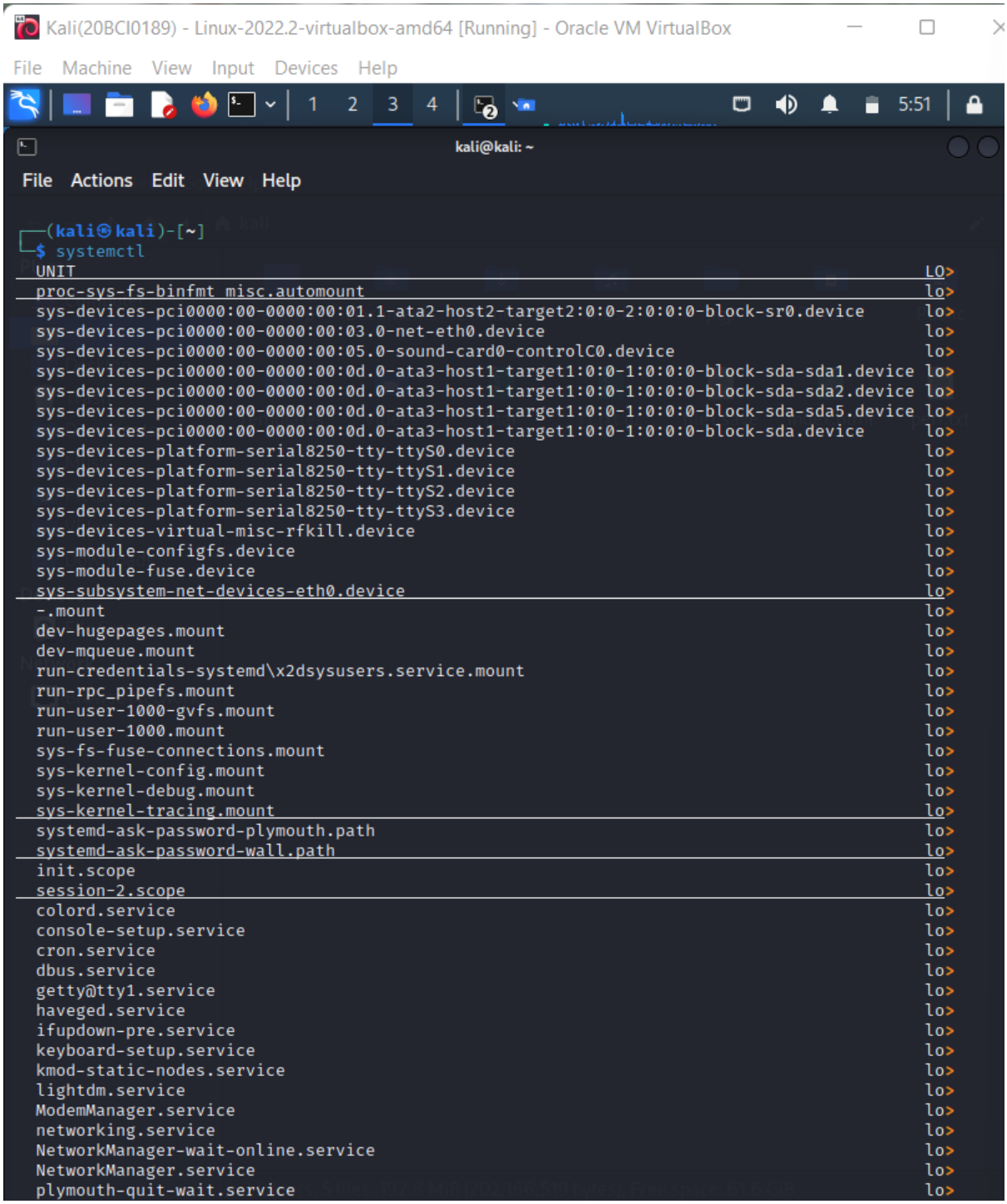
systemctl: Manage system services



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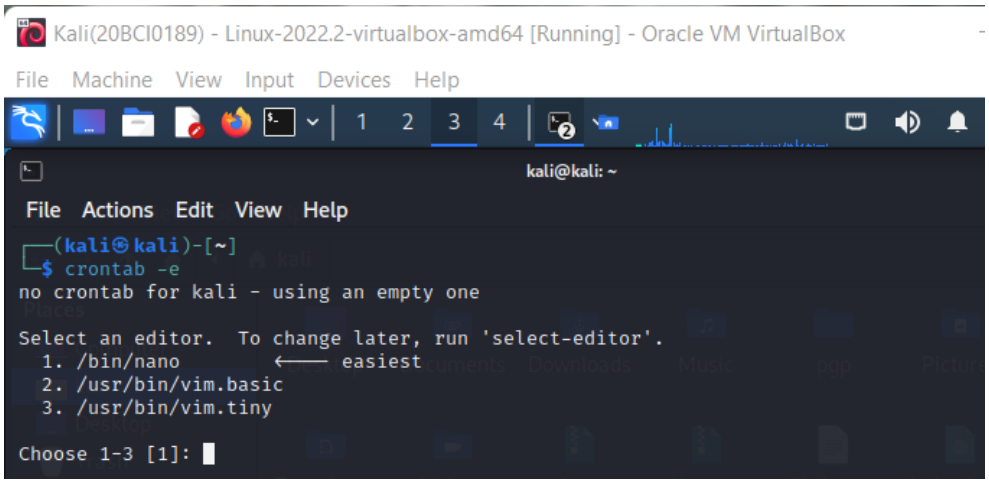
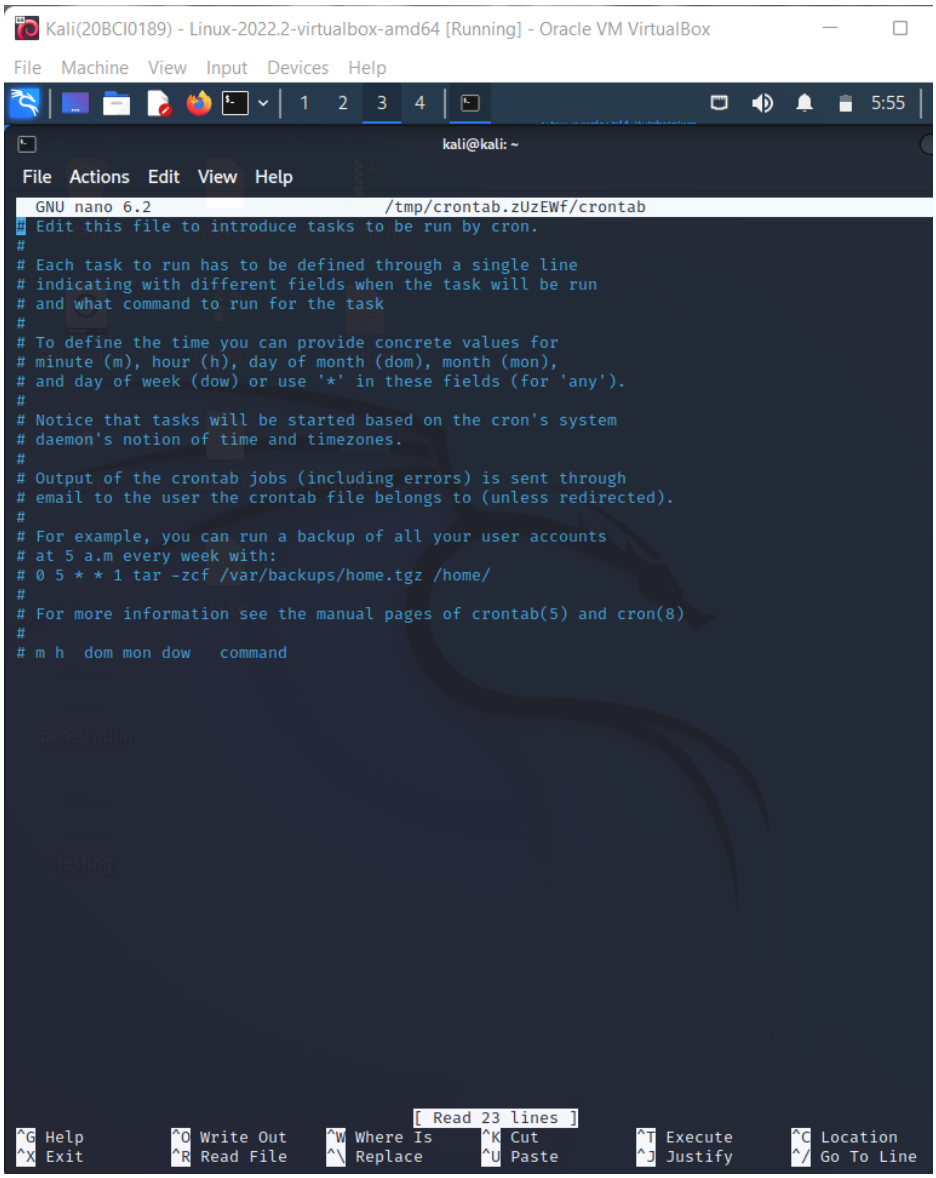
crontab: Schedule recurring tasks





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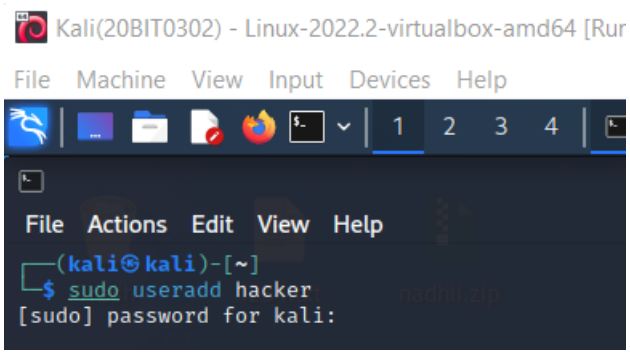
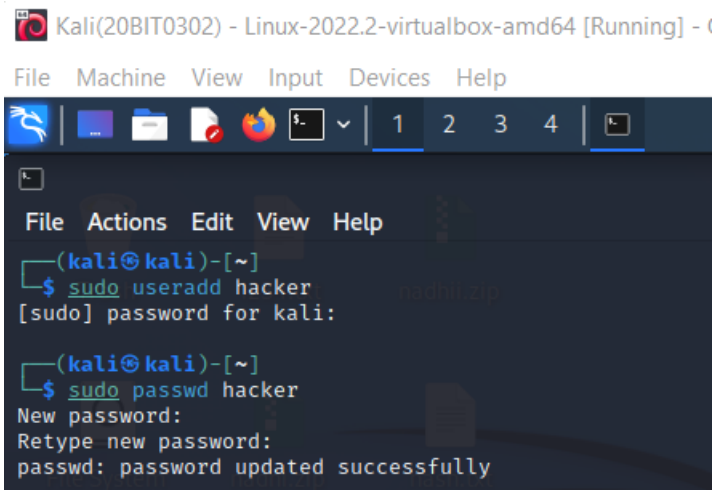
useradd: Add a new user



passwd: Change user password



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THANK YOU !