Name: Monica P **Campus:** VIT, Vellore
Reg no.: 20BIT0450

Title: Linux Command List Assessment

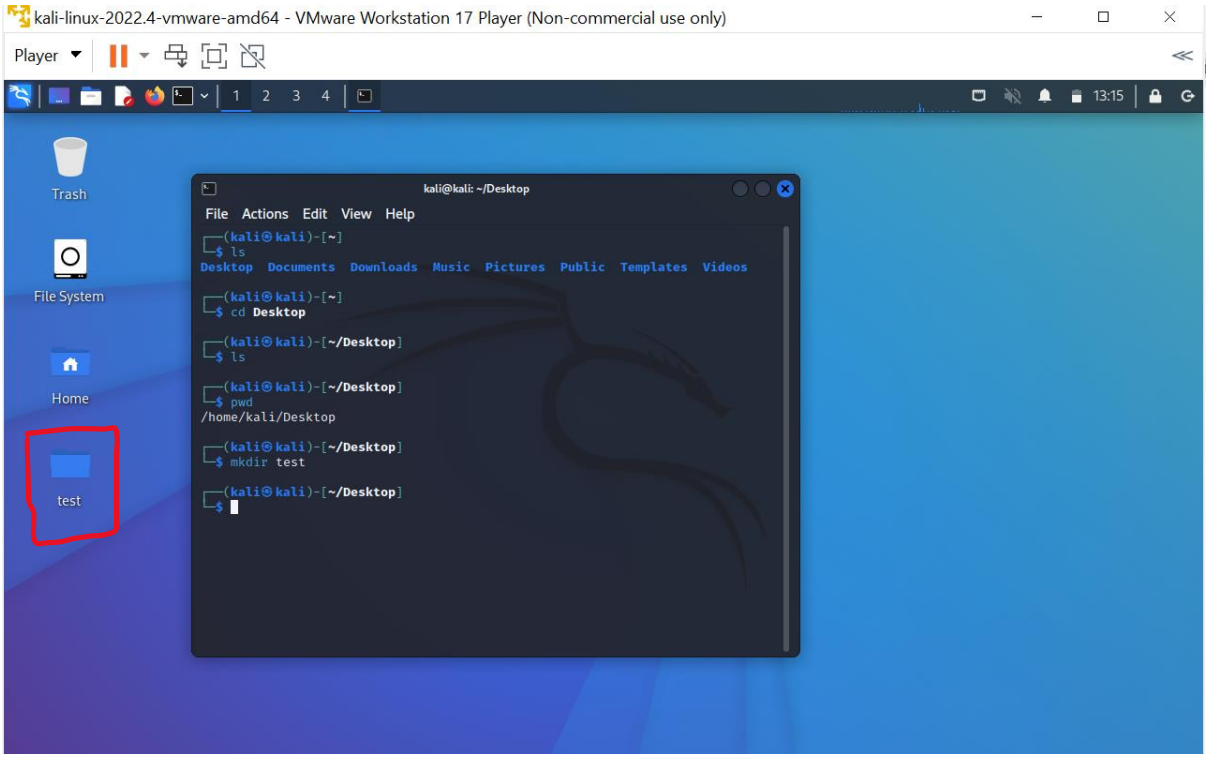
Instructions:-

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.

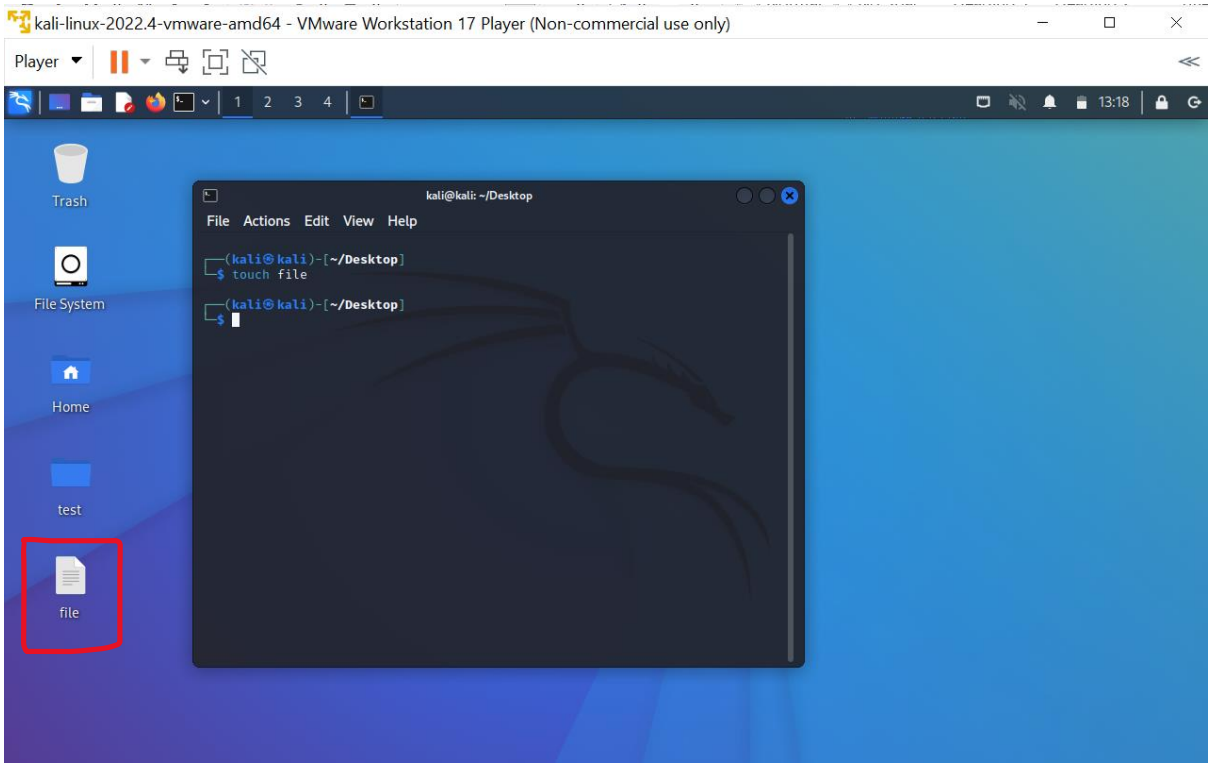
Note: It is recommended to perform this assessment on a Linux machine or virtual environment.

File and Directory Operations:

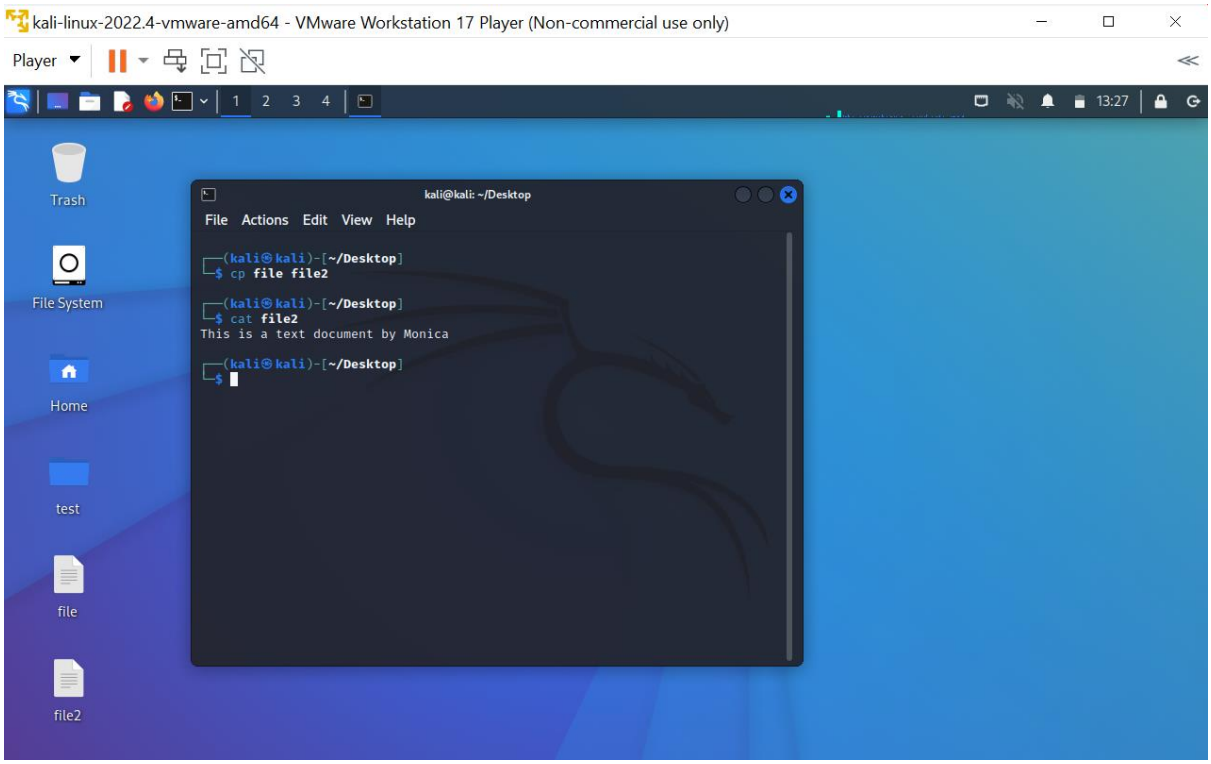
ls: List files and directories
cd: Change directory
pwd: Print working directory
mkdir: Make directory



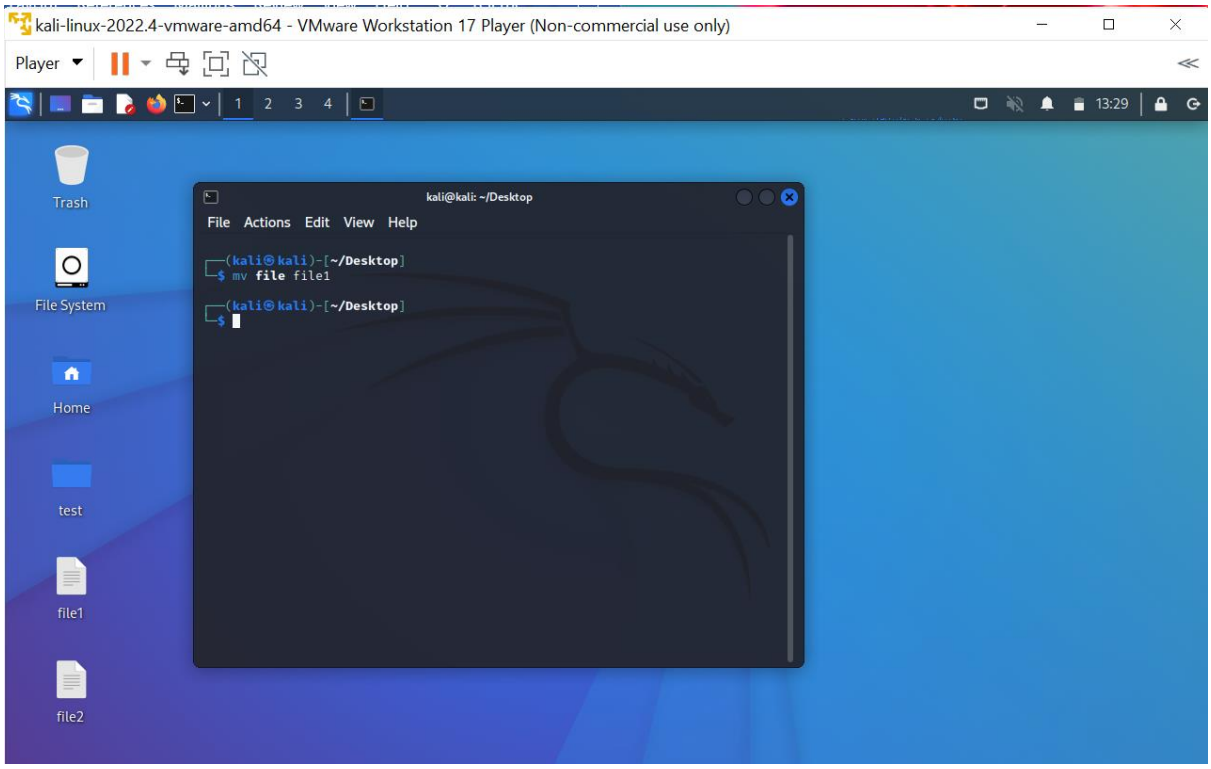
touch: Create an empty file



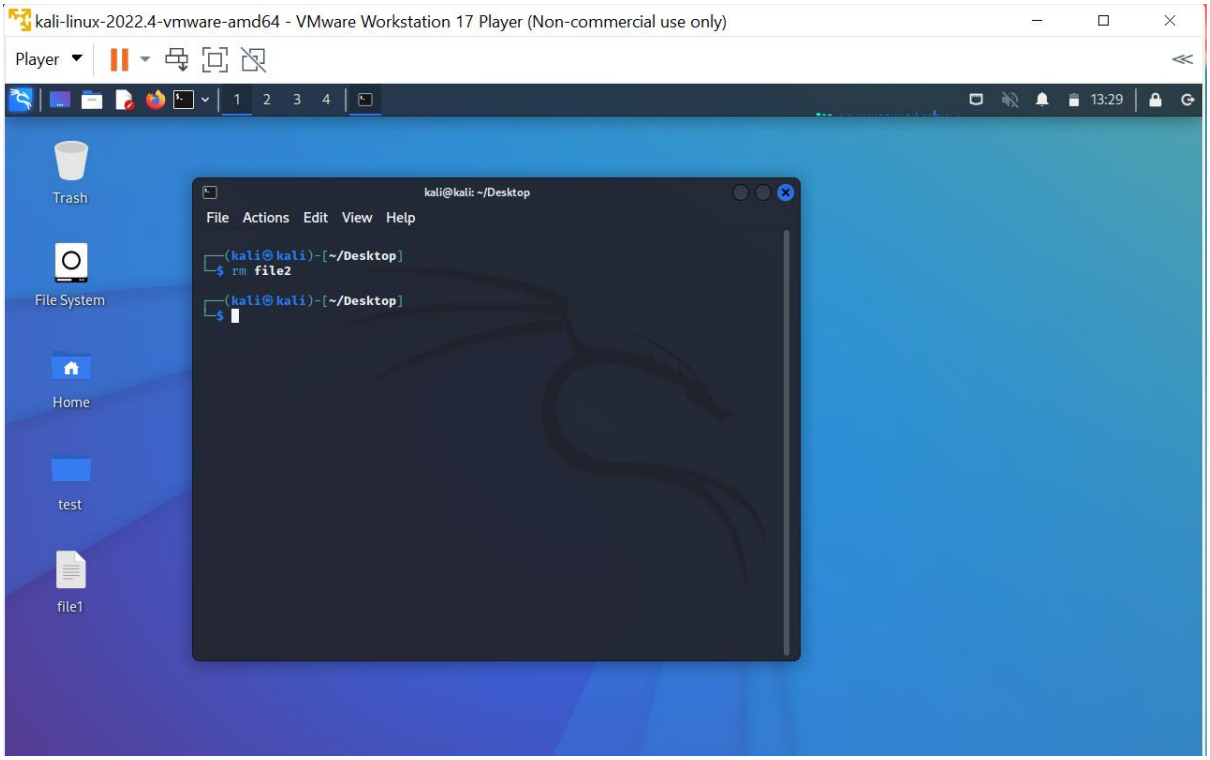
cp: Copy files and directories



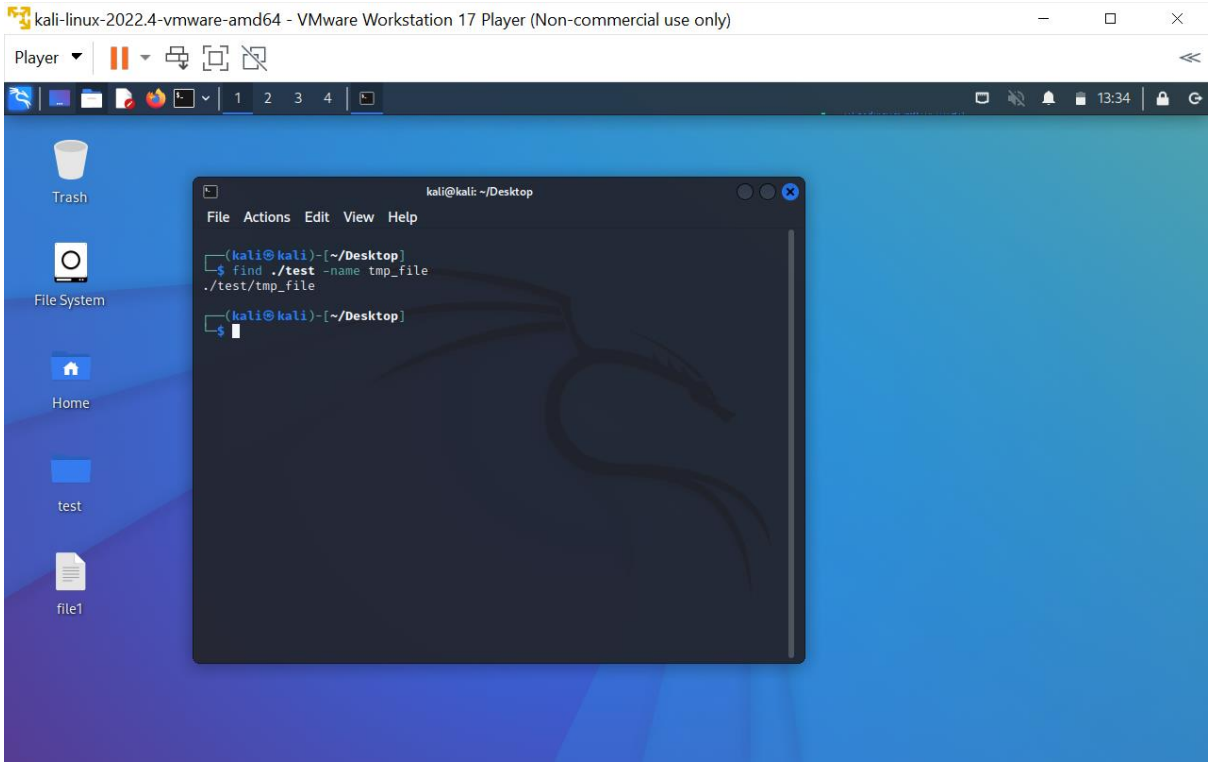
mv: Move or rename files and directories



rm: Remove files and directories

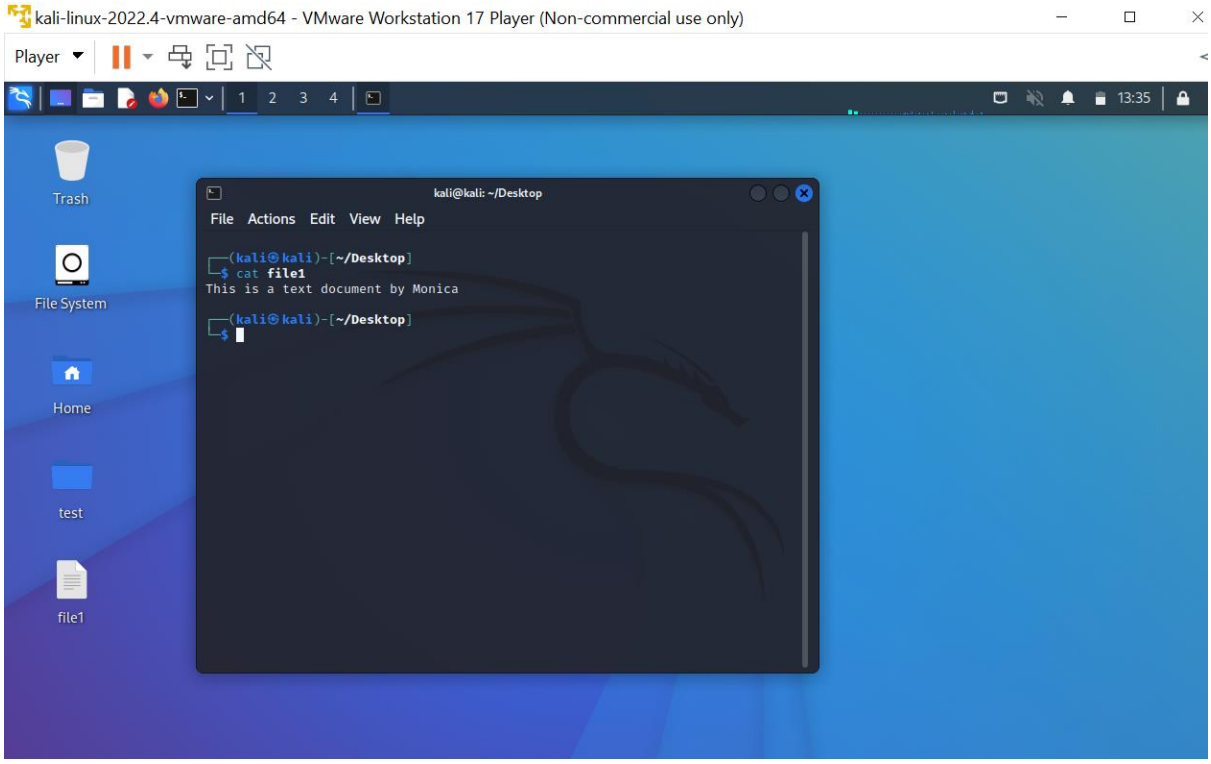


find: Search for files and directories

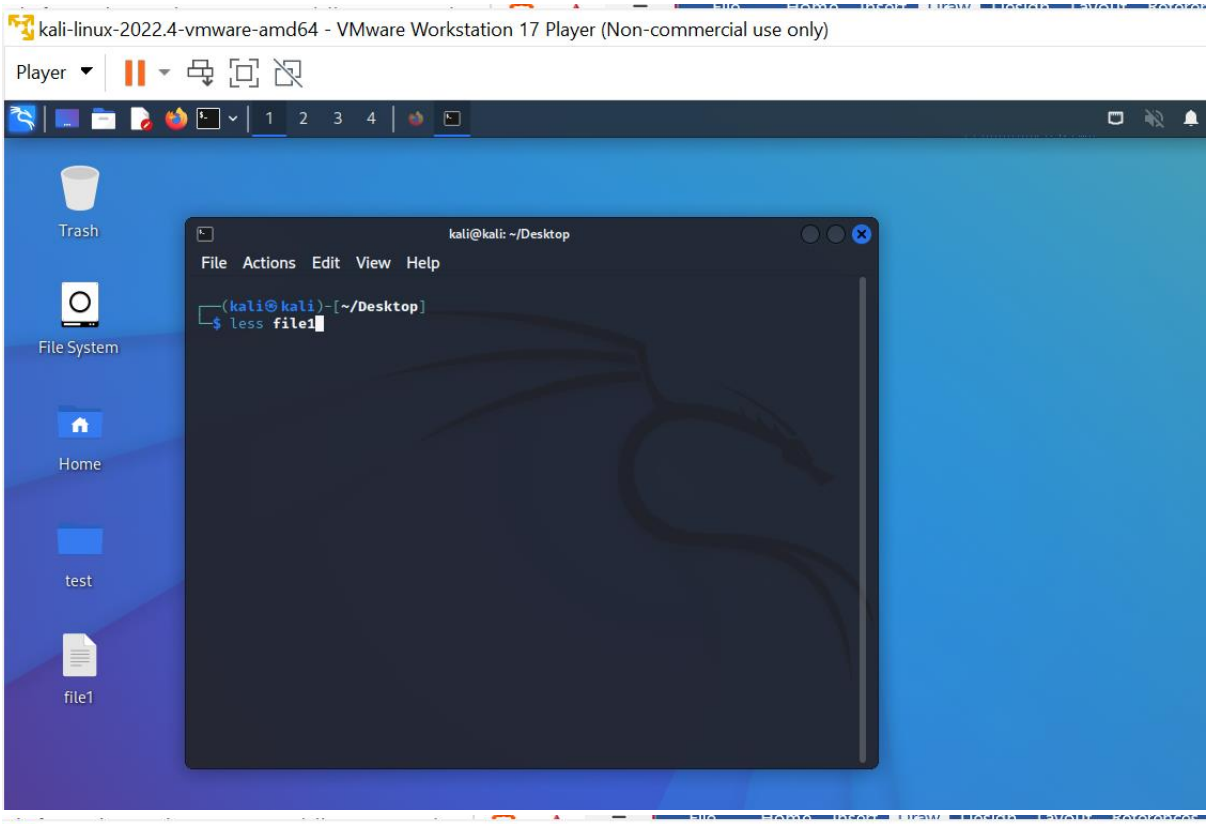


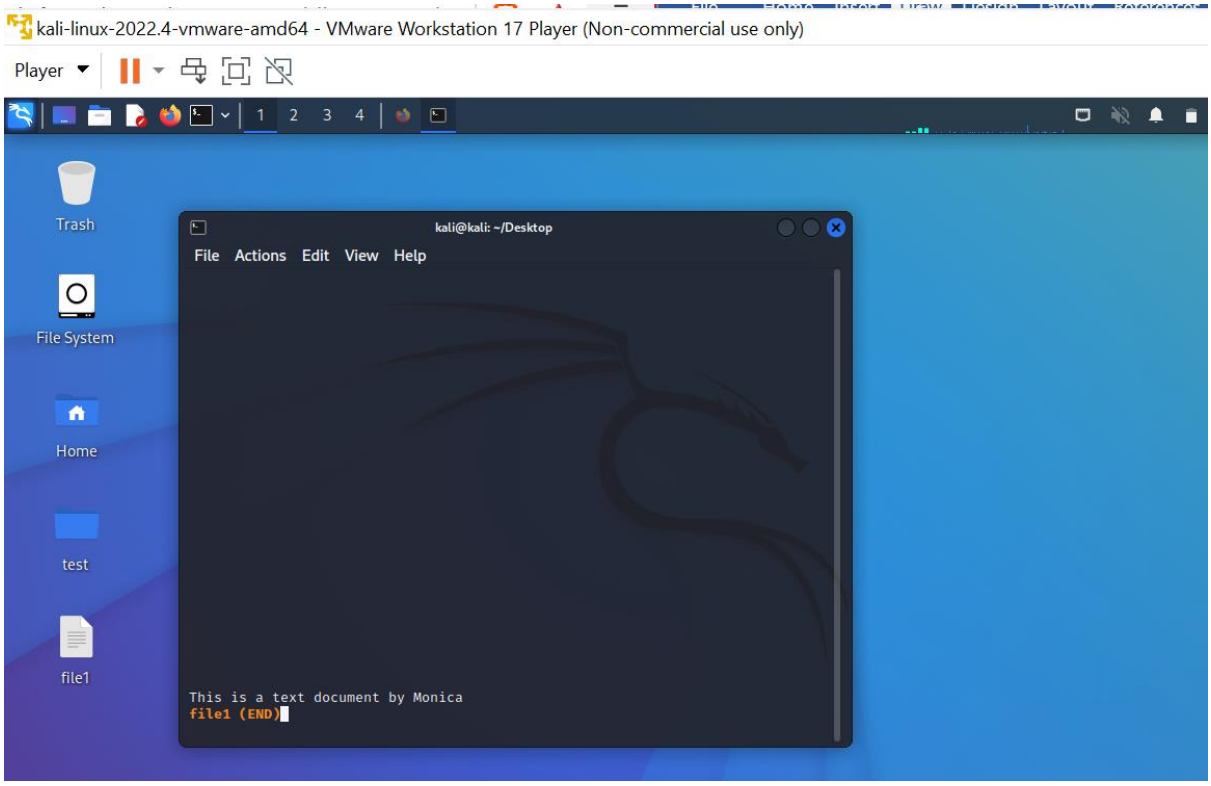
File Viewing and Editing:

cat: Concatenate and display file content

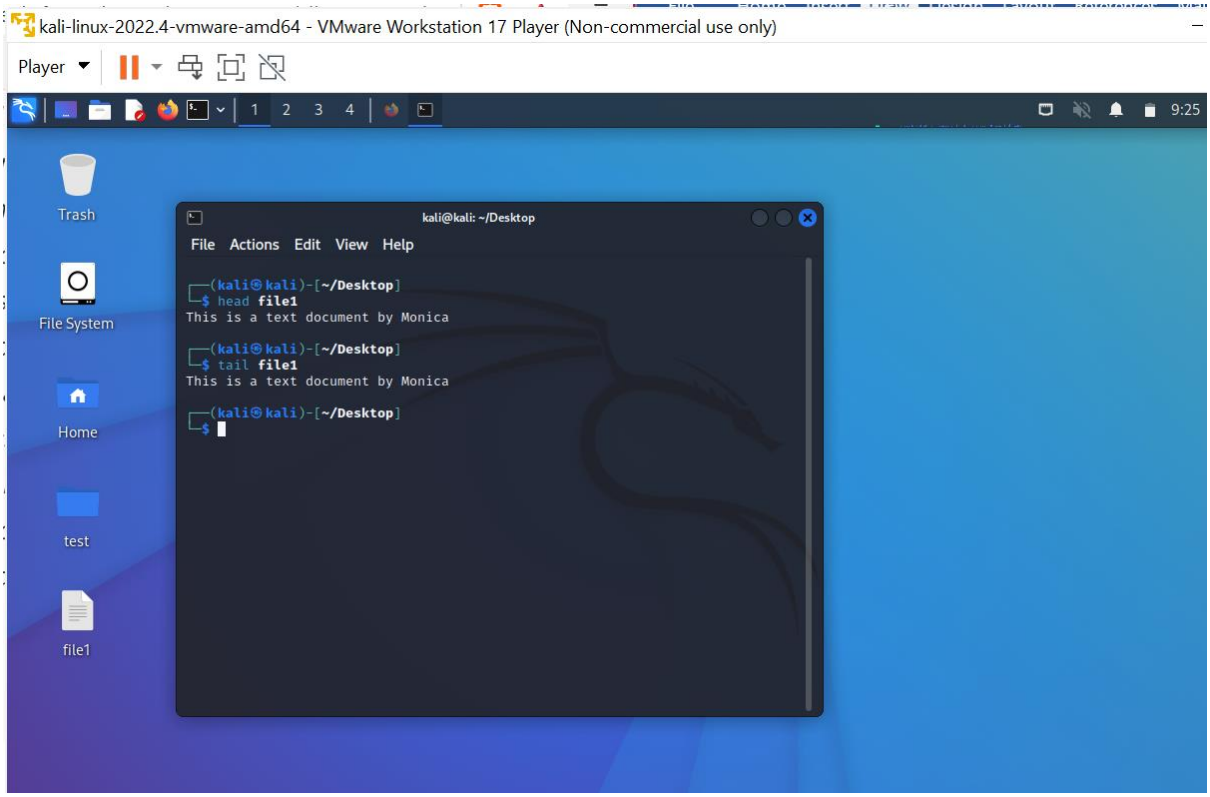


less: View file content with pagination

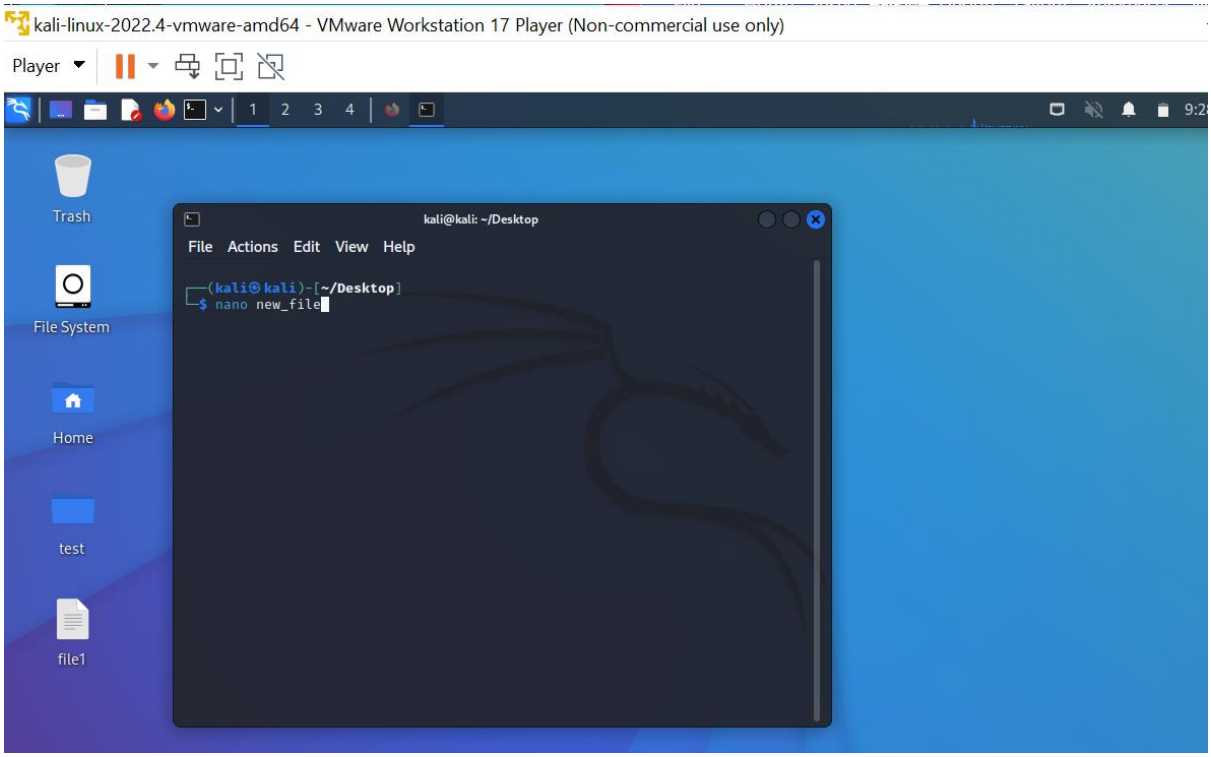


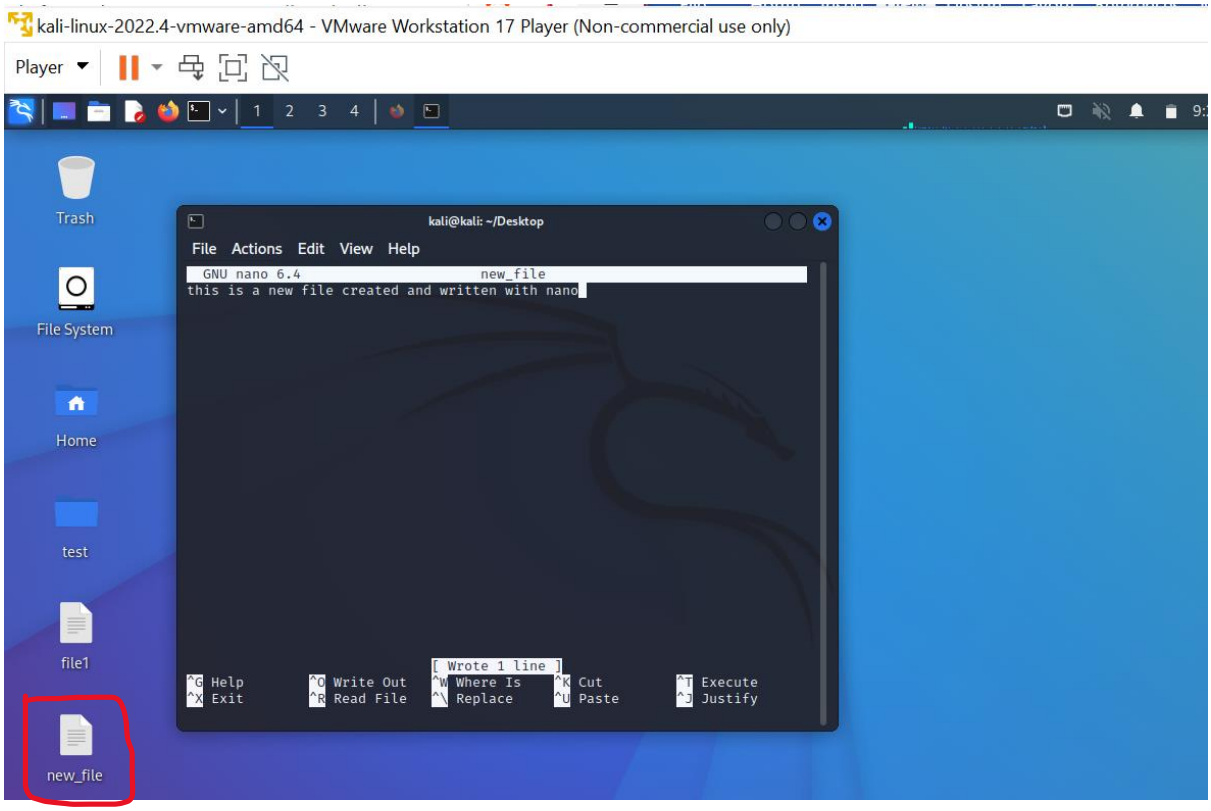


head: Display the beginning of a file
tail: Display the end of a file

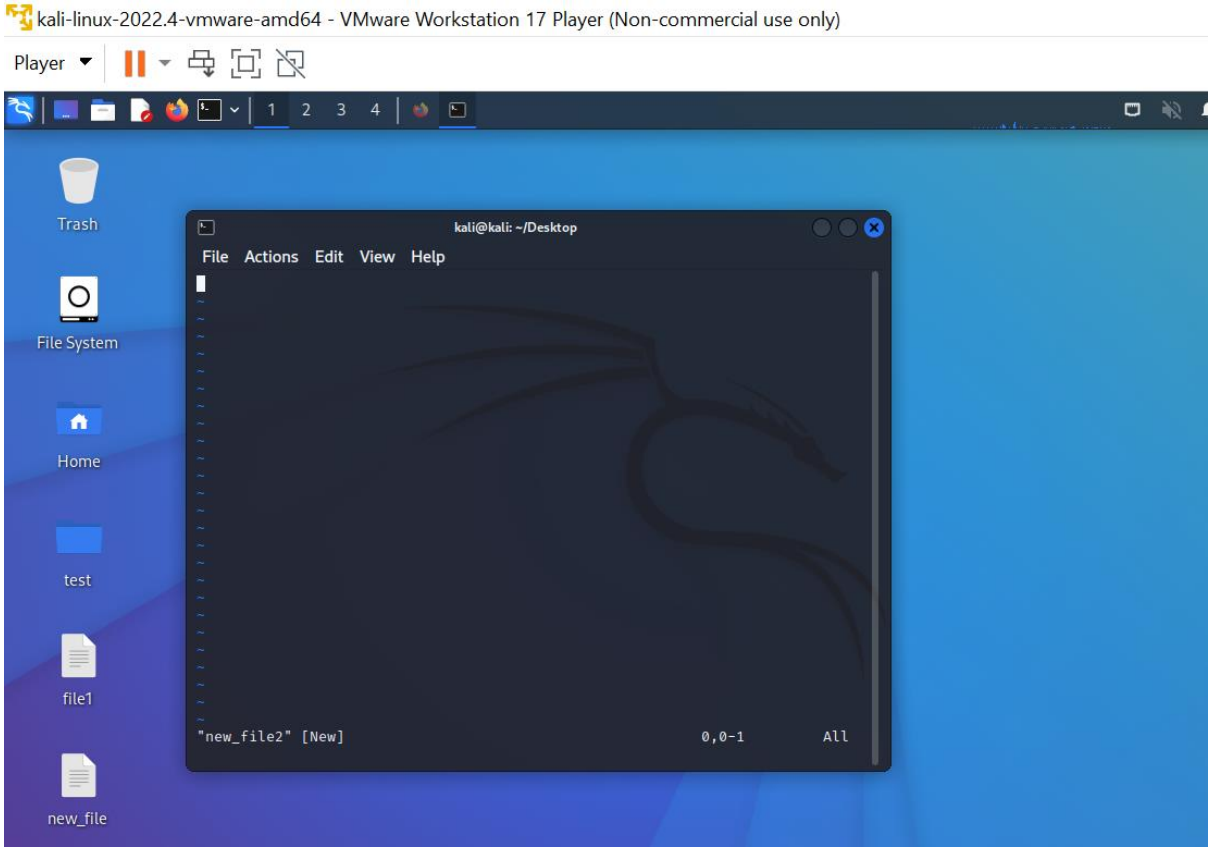


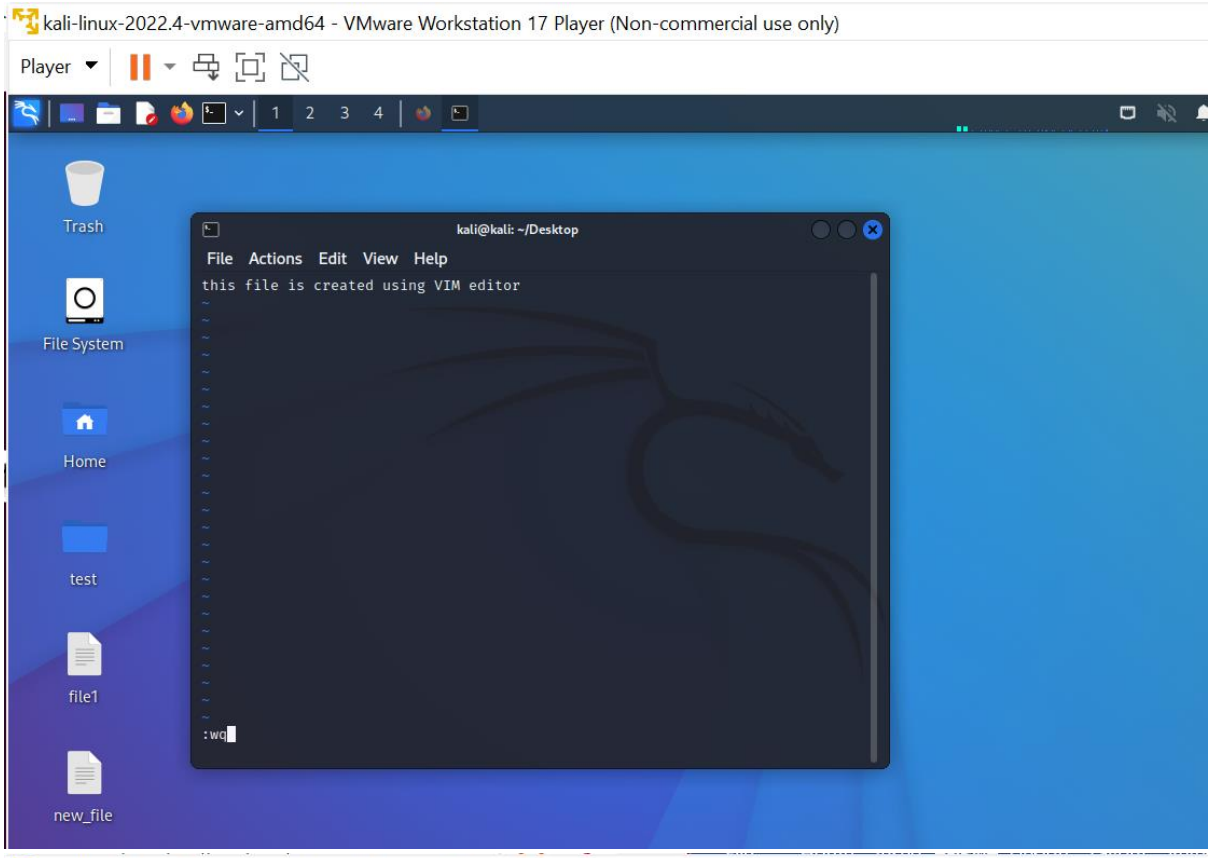
nano: Text editor for creating and editing files

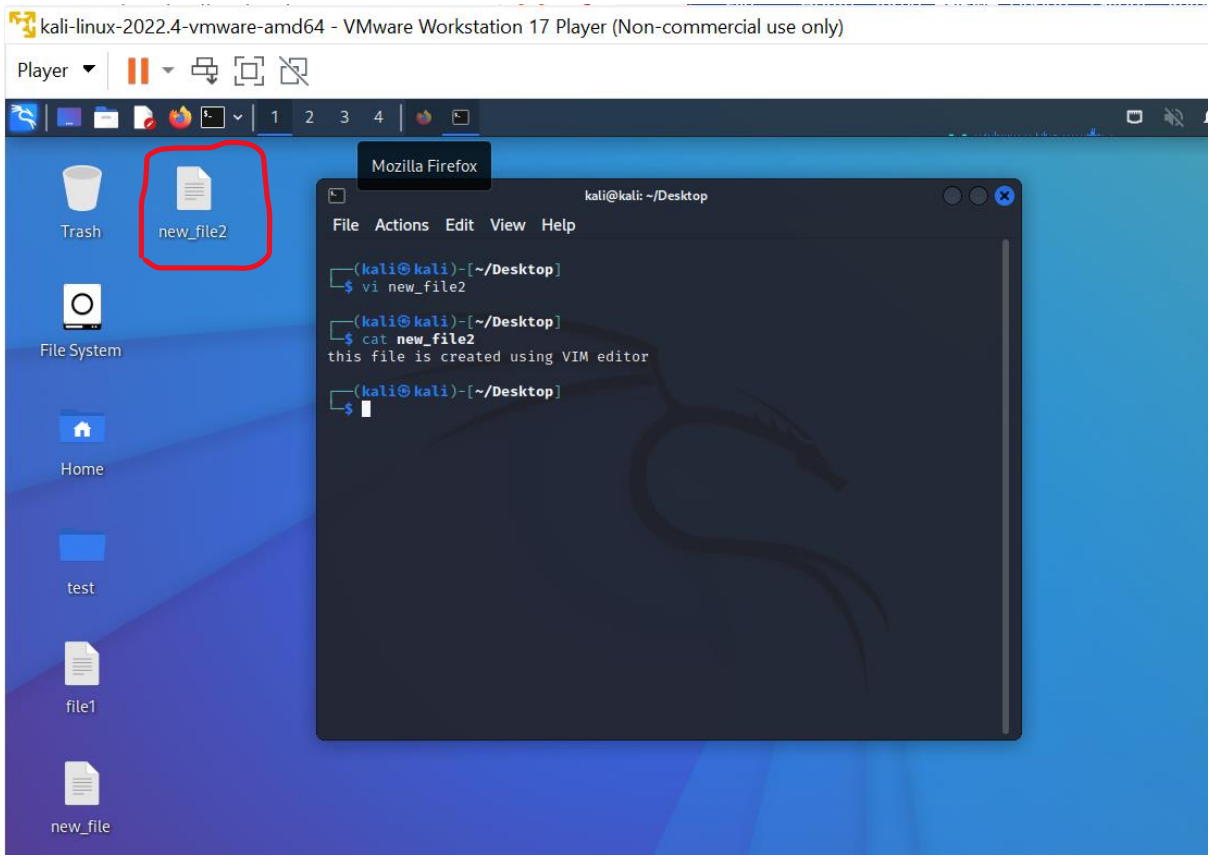




vi/vim: Powerful text editor for experienced users

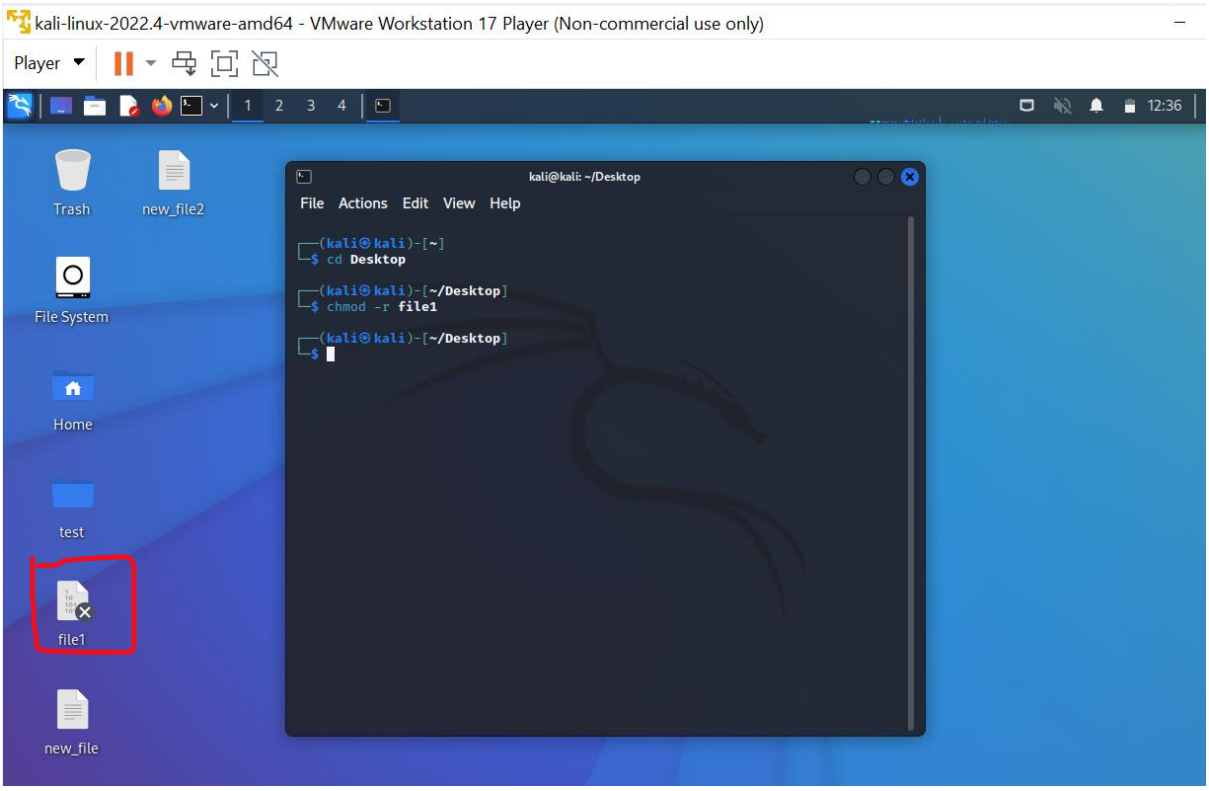



kali-linux-2022.4-vmware-amd64 - VMware Workstation 17 Player (Non-commercial use only)
Player
1 2 3 4
Trash
File System
Home
test
file1
new_file
kali@kali: ~/Desktop
File Actions Edit View Help
this file is created using VIM editor
:wq

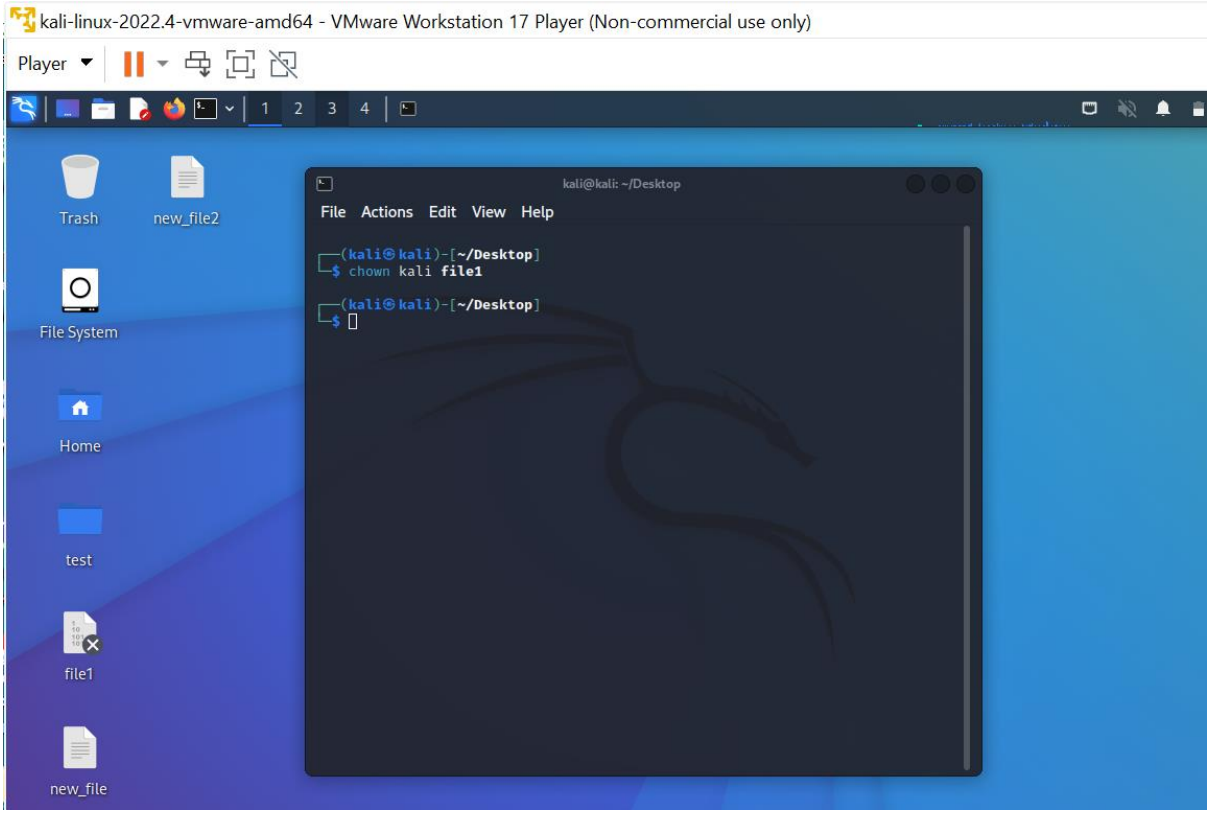

kali-linux-2022.4-vmware-amd64 - VMware Workstation 17 Player (Non-commercial use only)
Player
1 2 3 4
Mozilla Firefox
Trash
new_file2
File System
Home
test
file1
new_file
kali@kali: ~/Desktop
File Actions Edit View Help
(kali㉿kali)-[~/Desktop]
$ vi new_file2
(kali㉿kali)-[~/Desktop]
$ cat new_file2
this file is created using VIM editor
(kali㉿kali)-[~/Desktop]
$

File Permissions:

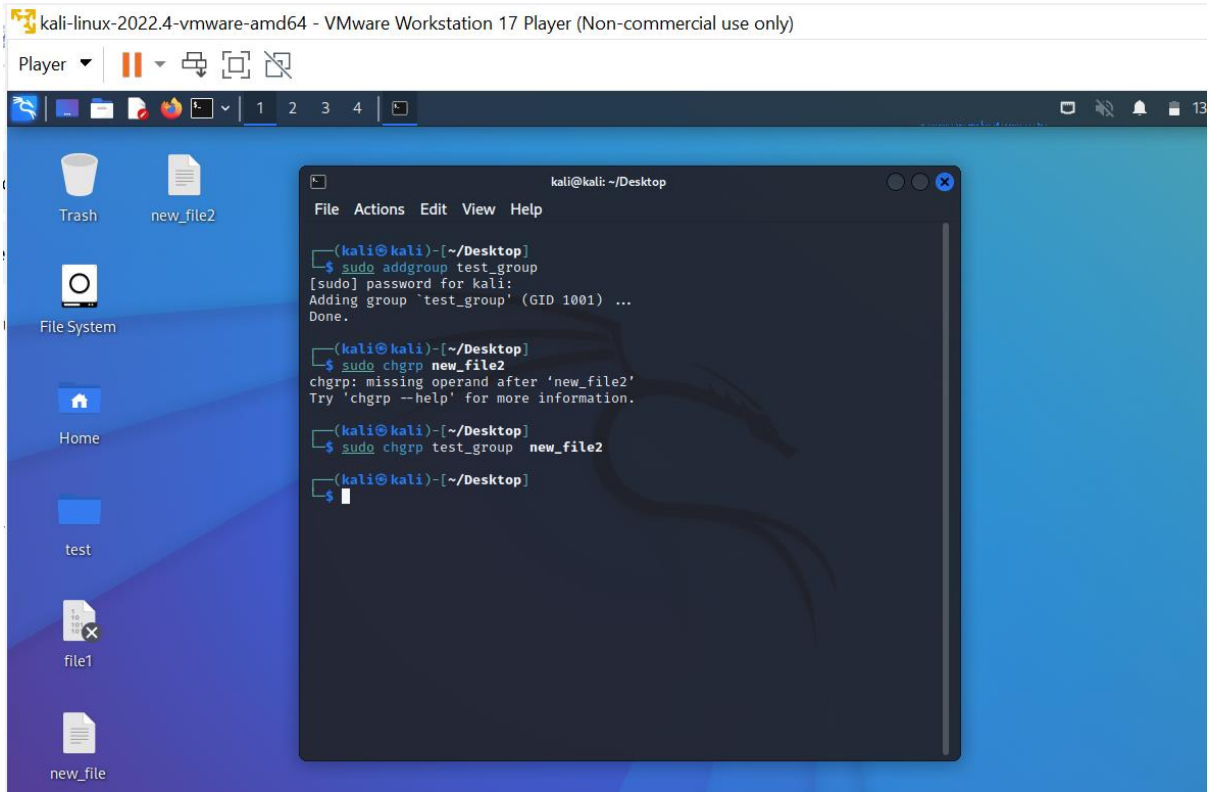
chmod: Change file permissions



chown: Change file owner

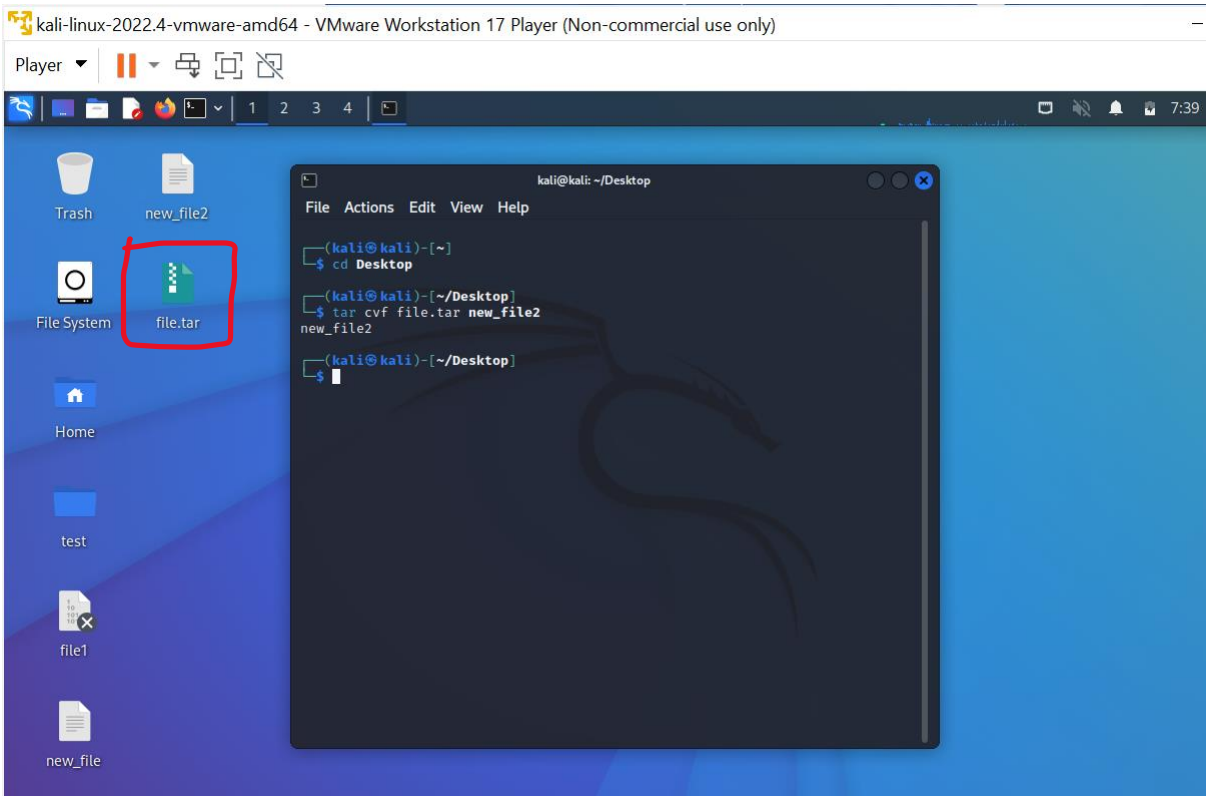


chgrp: Change file group

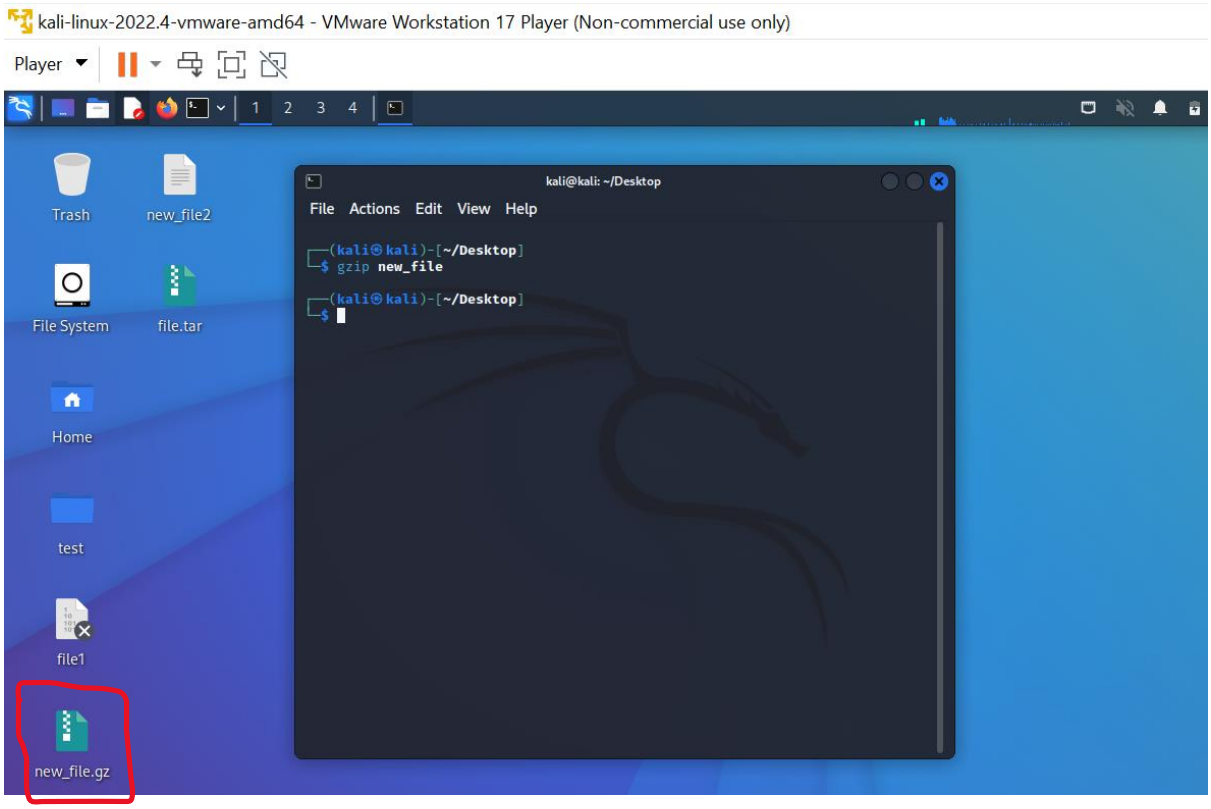


File Compression and Archiving:

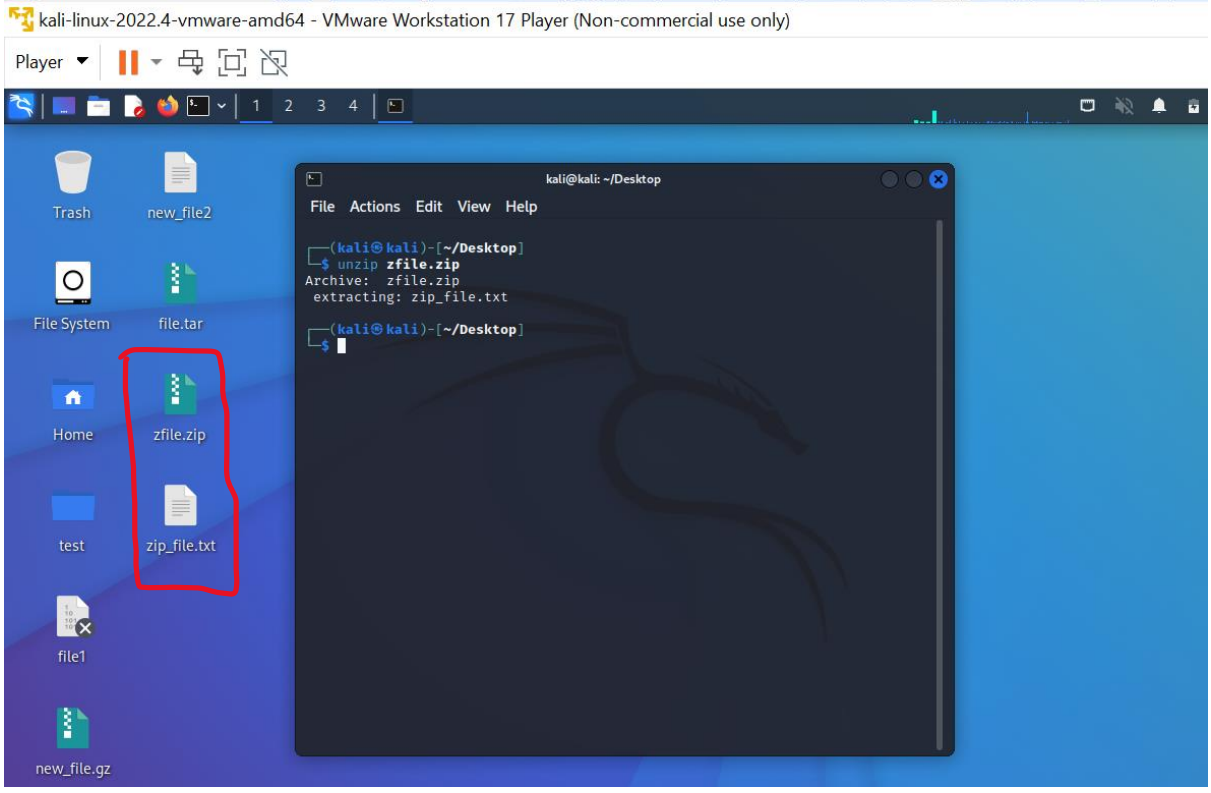
tar: Archive files



gzip: Compress files

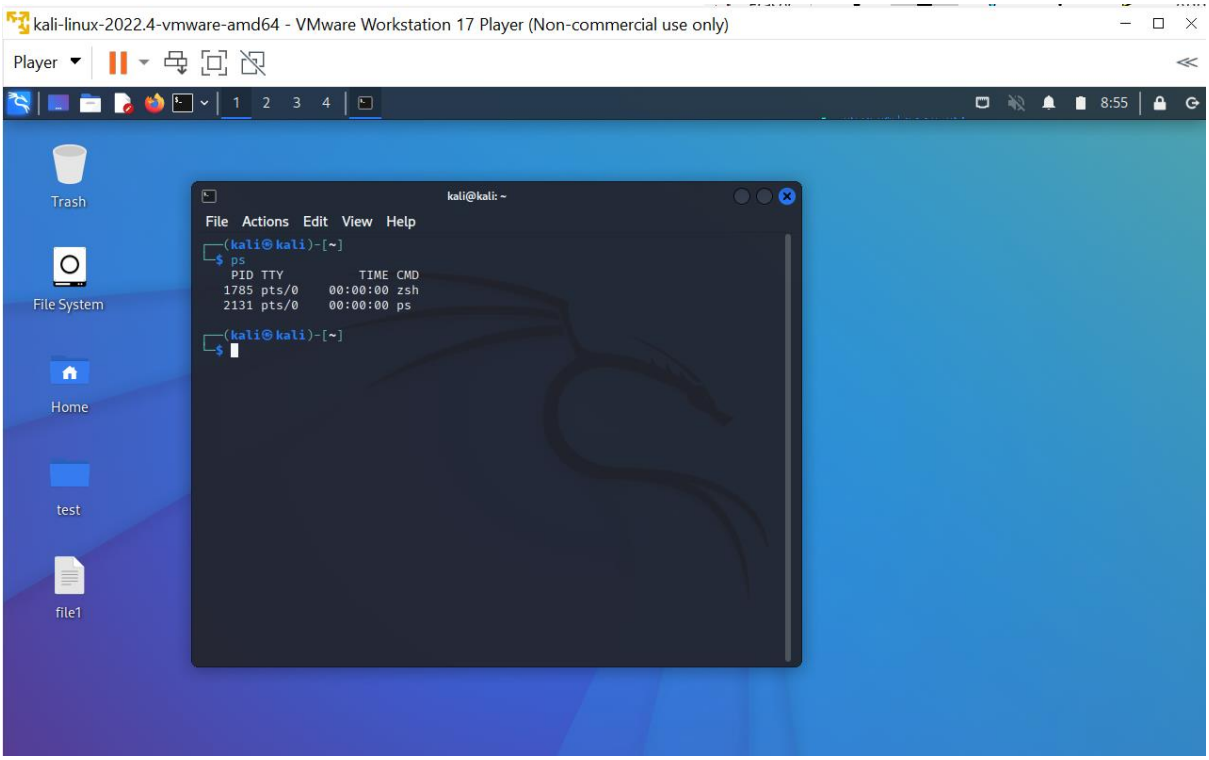


unzip: Extract files from a ZIP archive

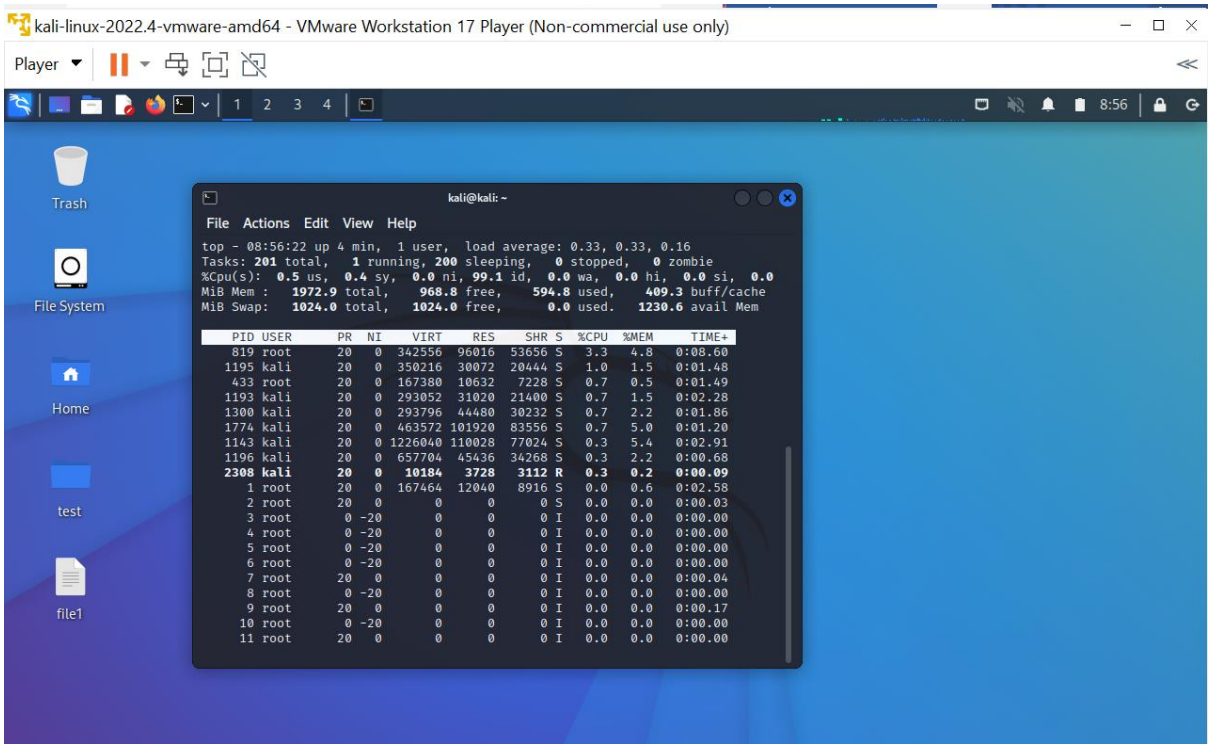


Process Management:

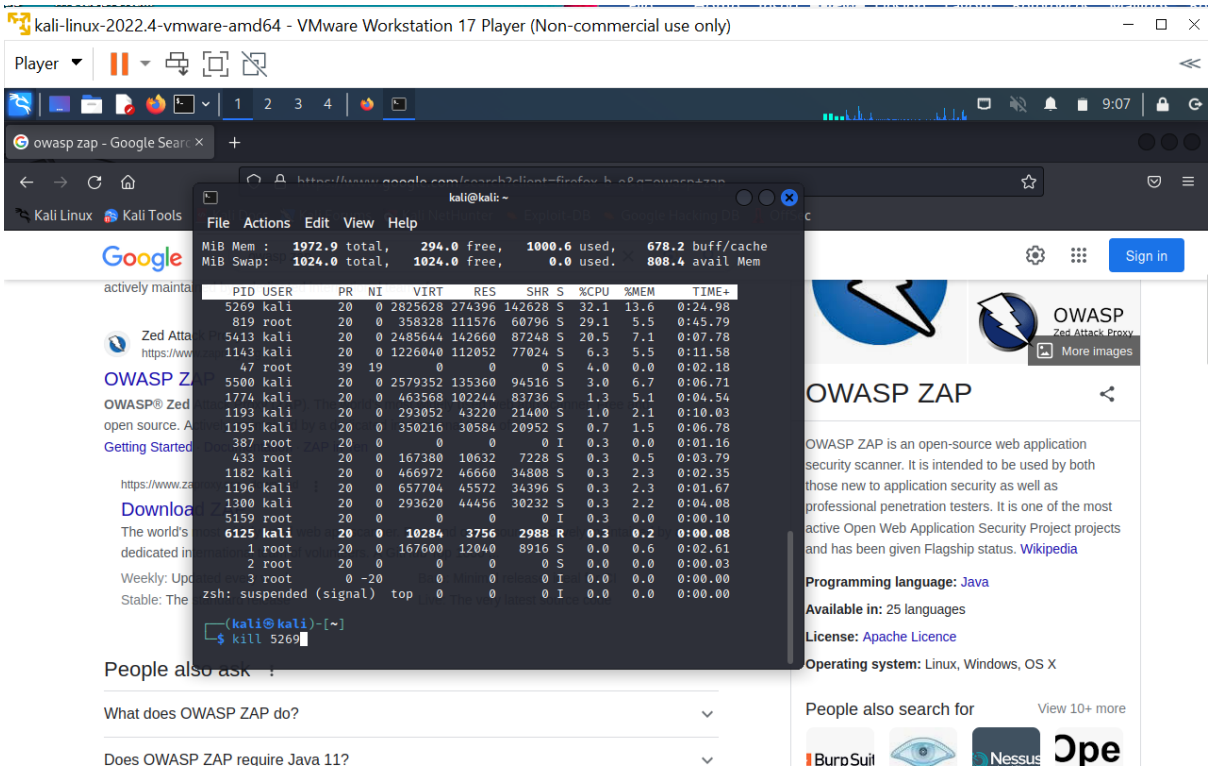
ps: List running processes

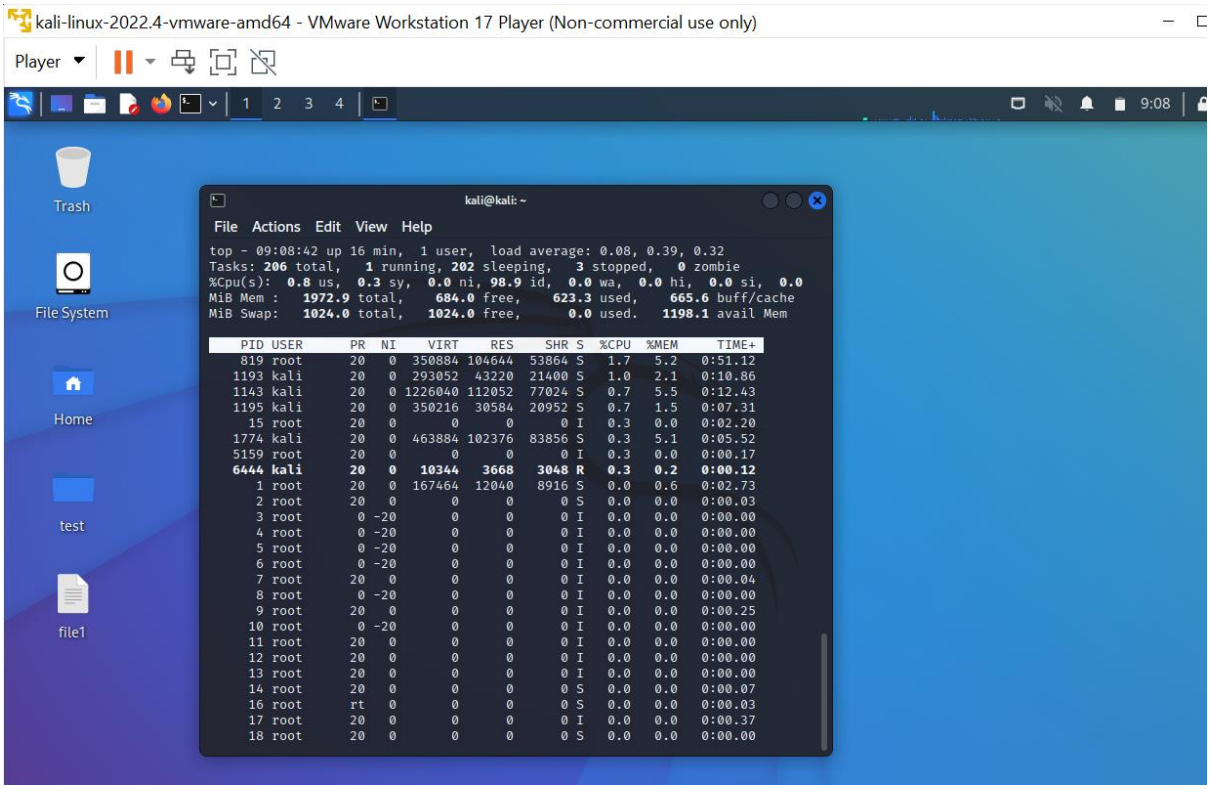


top: Display real-time system information and processes

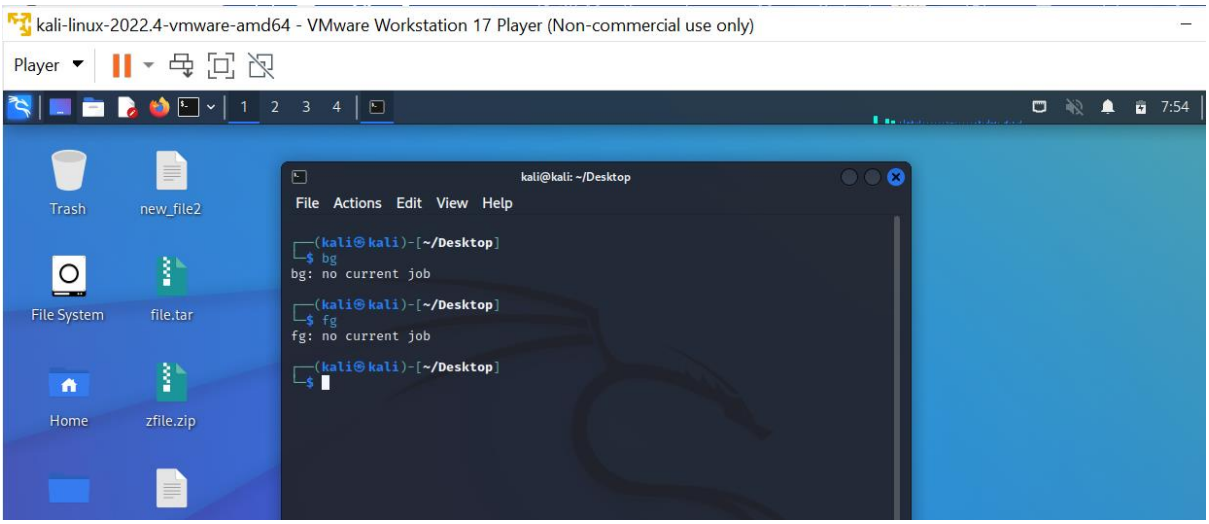


kill: Terminate processes



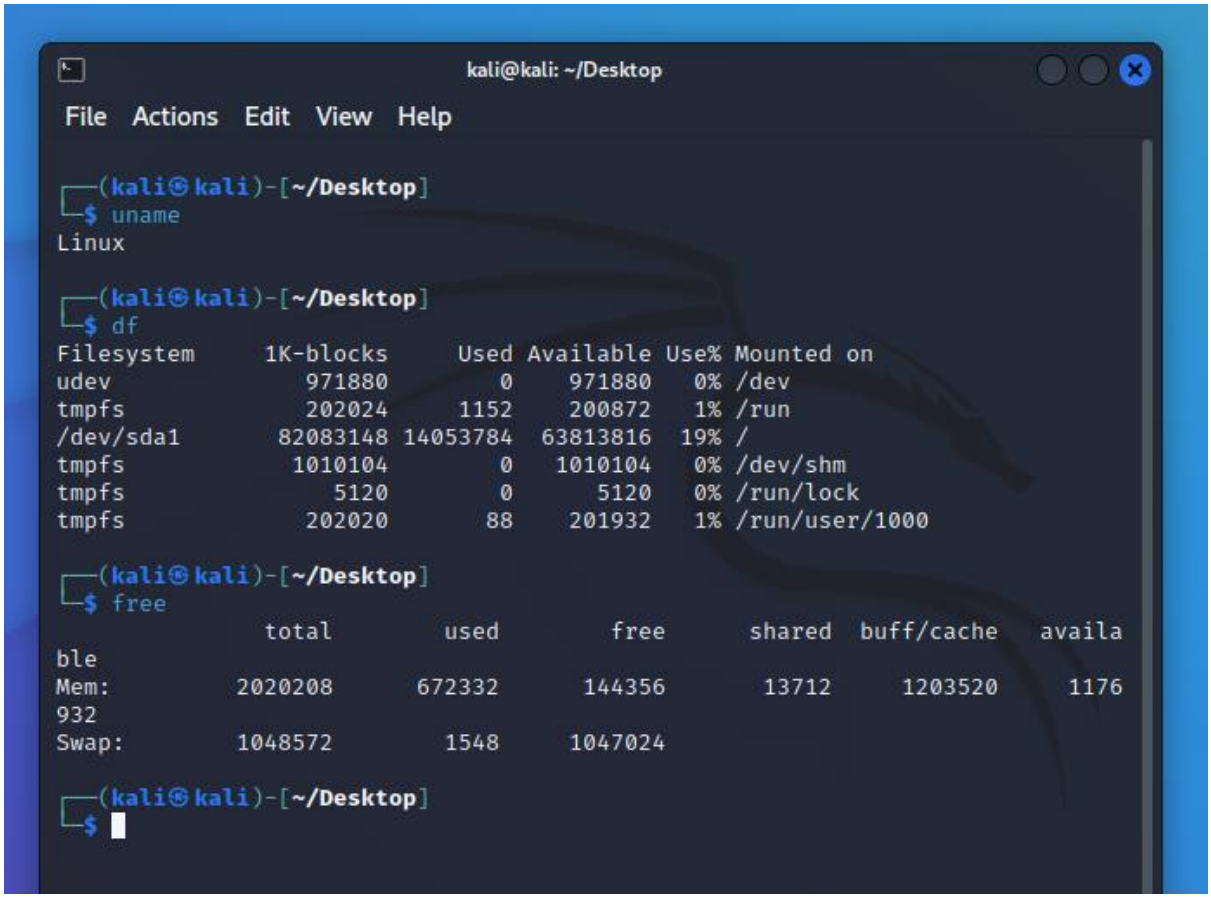


bg: Run processes in the background
fg: Bring background processes to the foreground

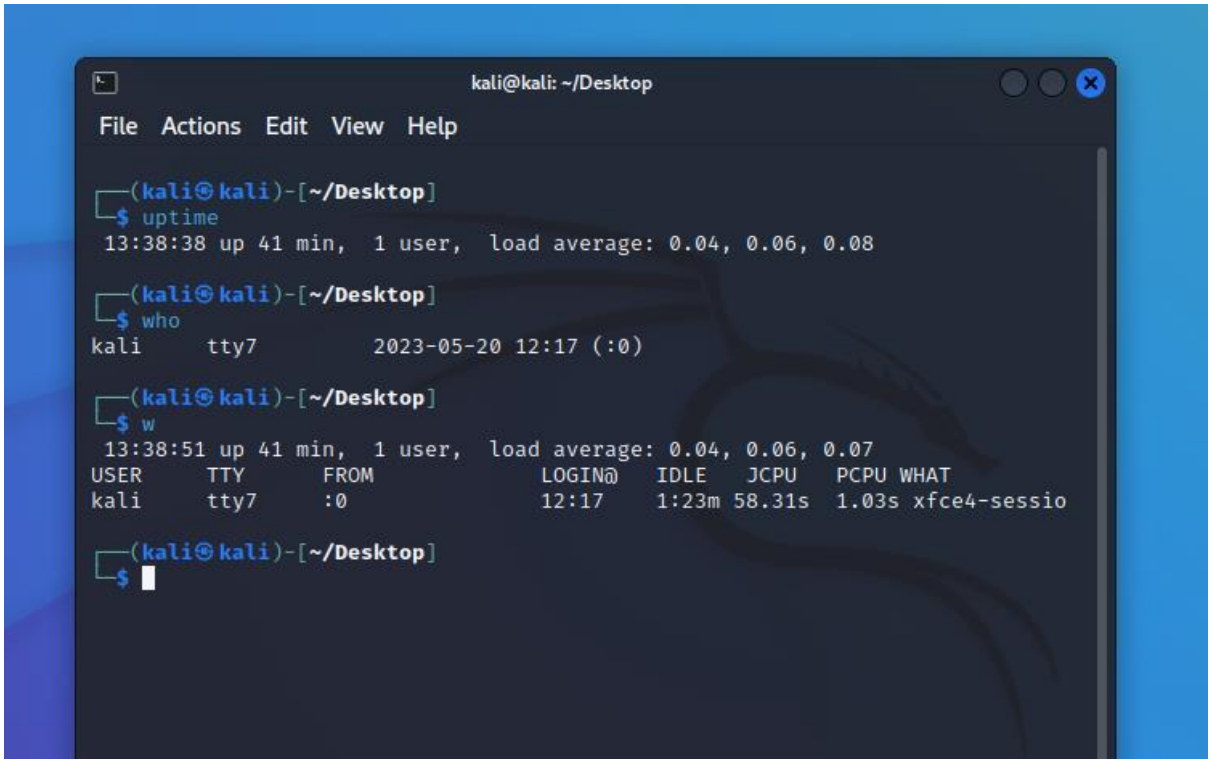


System Information:

uname: Print system information
df: Display disk space usage
free: Display memory usage

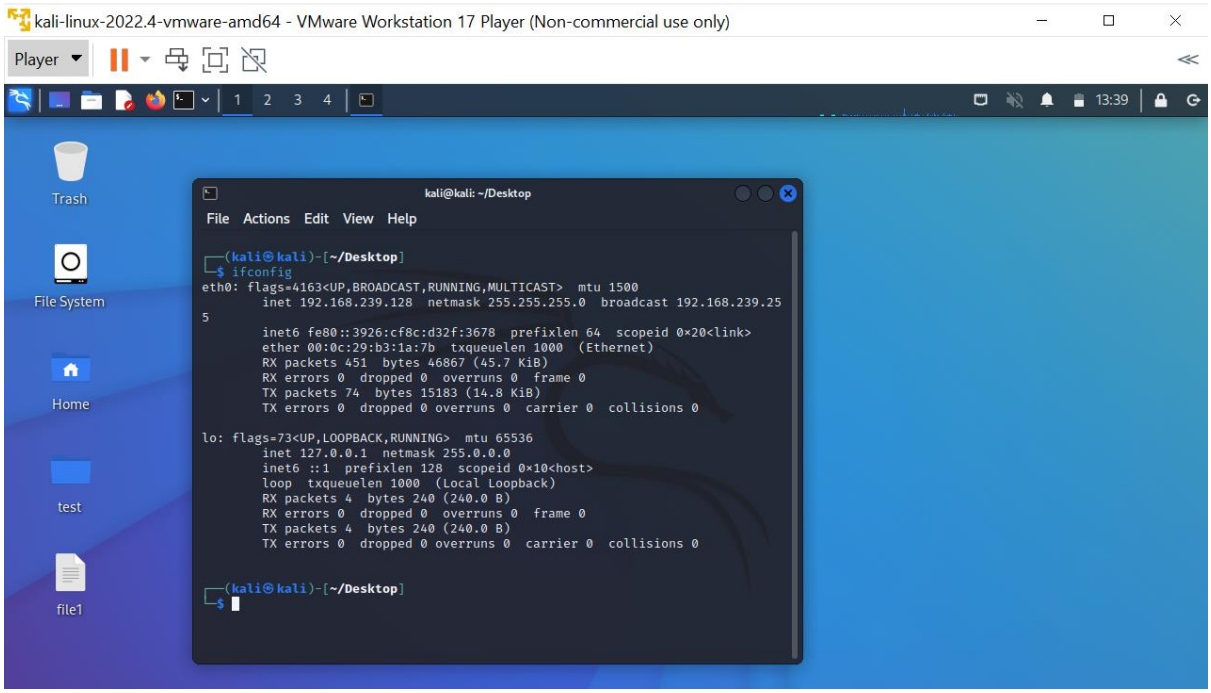


uptime: Show system uptime
who: Display logged-in users
w: Display logged-in users and their activities

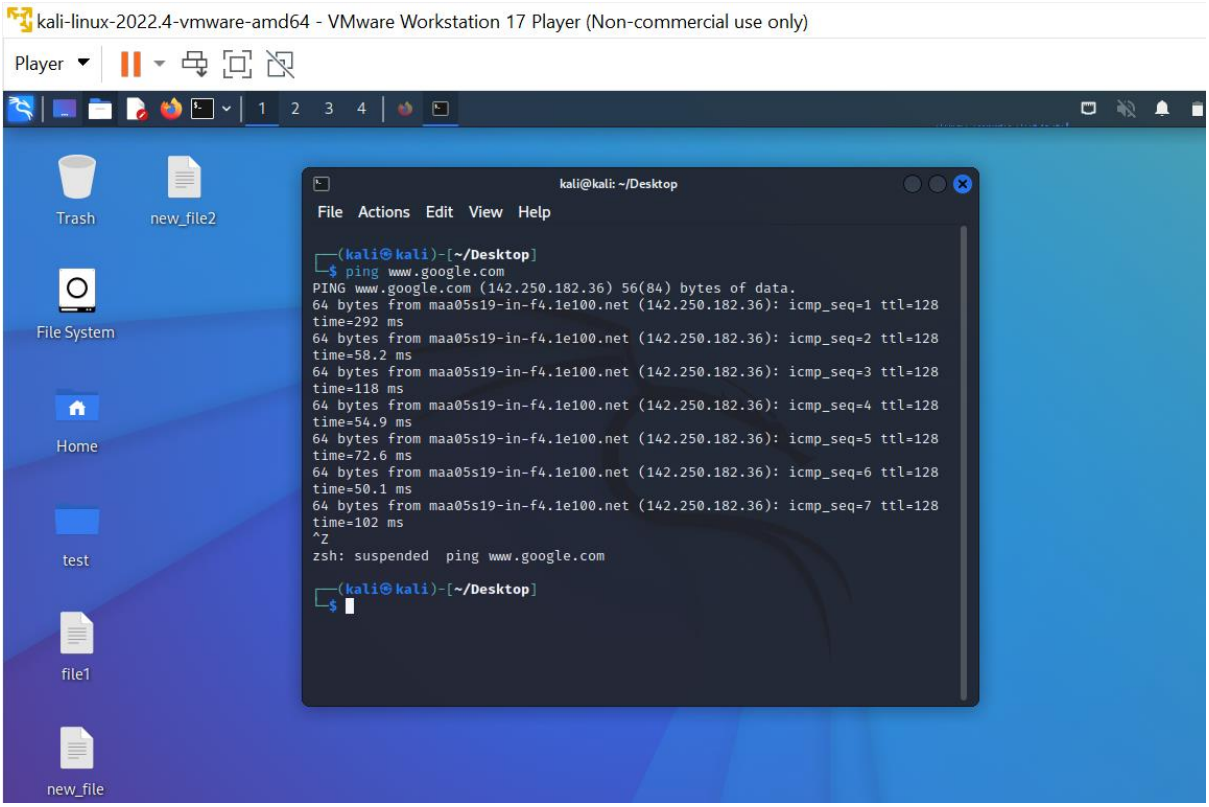


Networking:

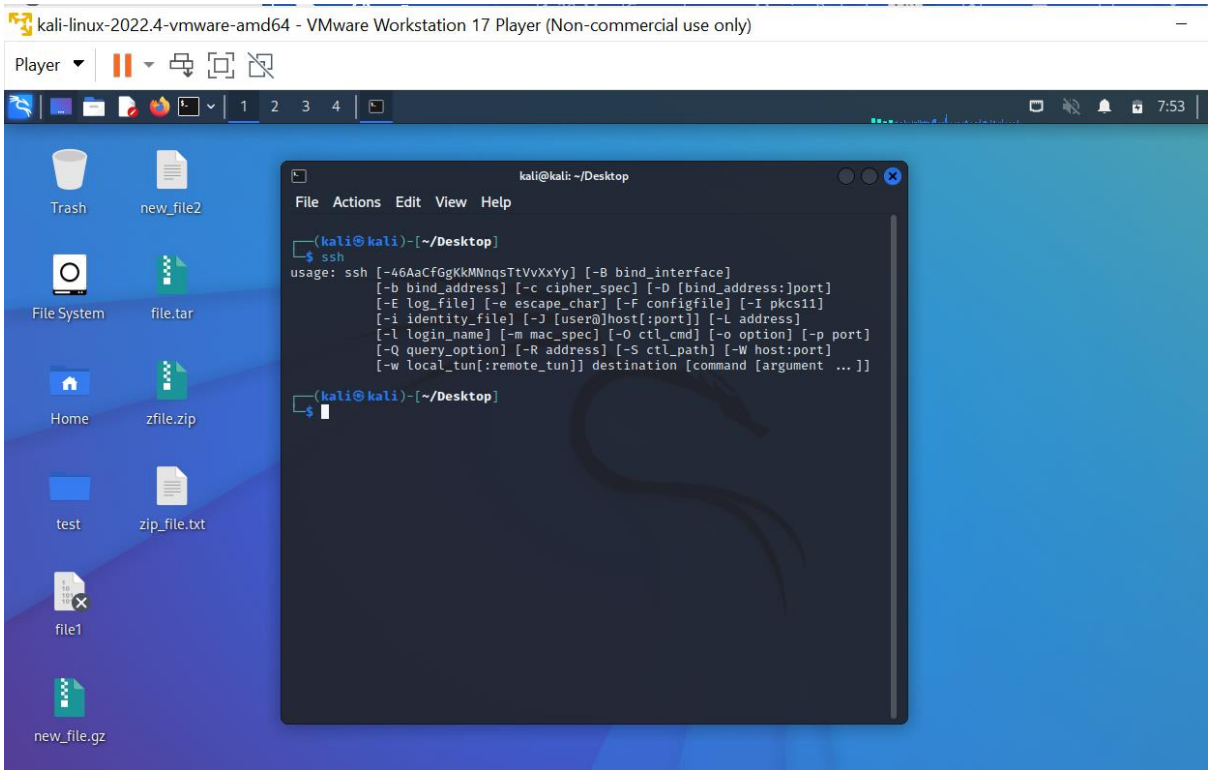
ifconfig: Configure network interfaces



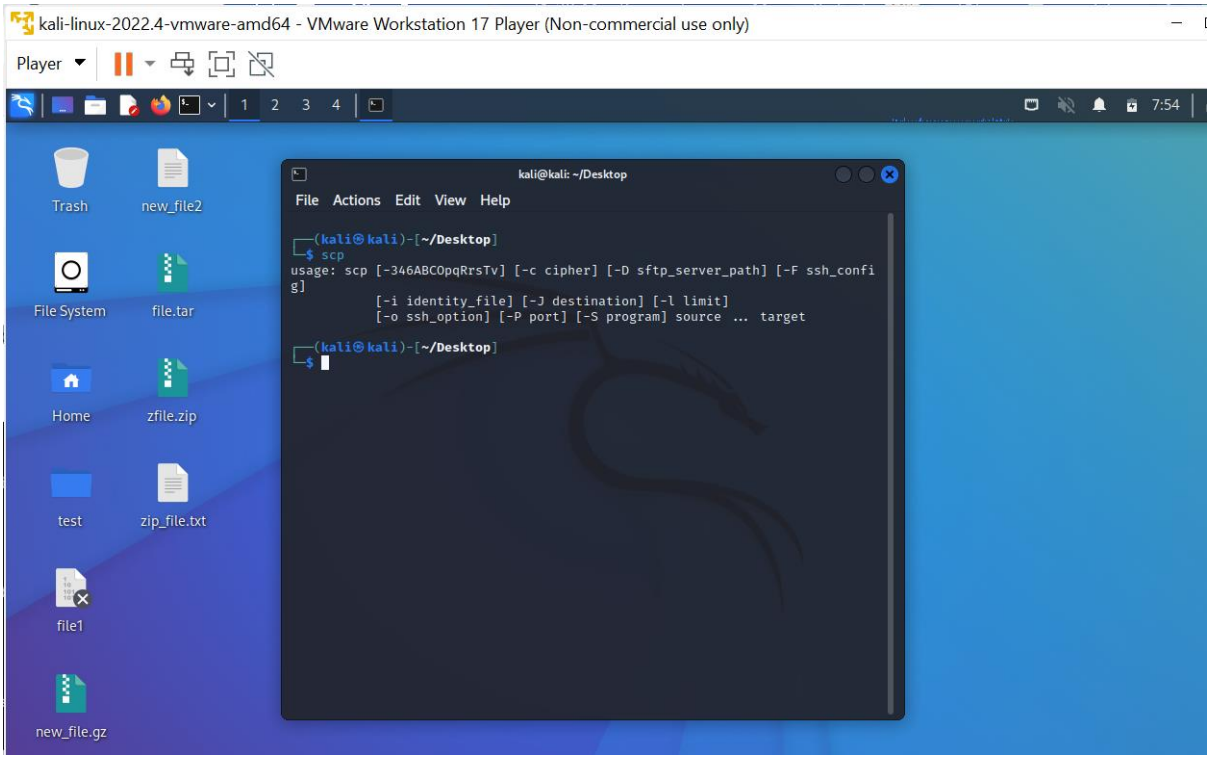
ping: Send ICMP echo requests to a network host



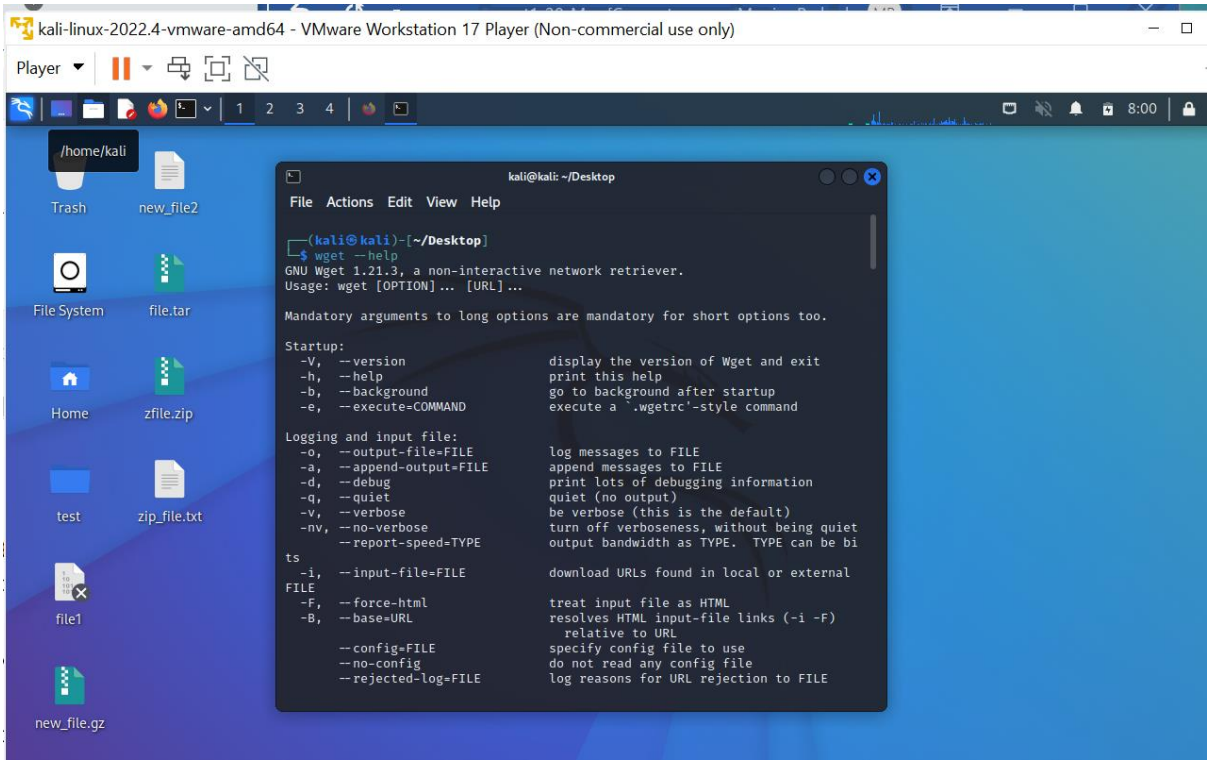
ssh: Securely connect to a remote system



scp: Securely copy files between systems

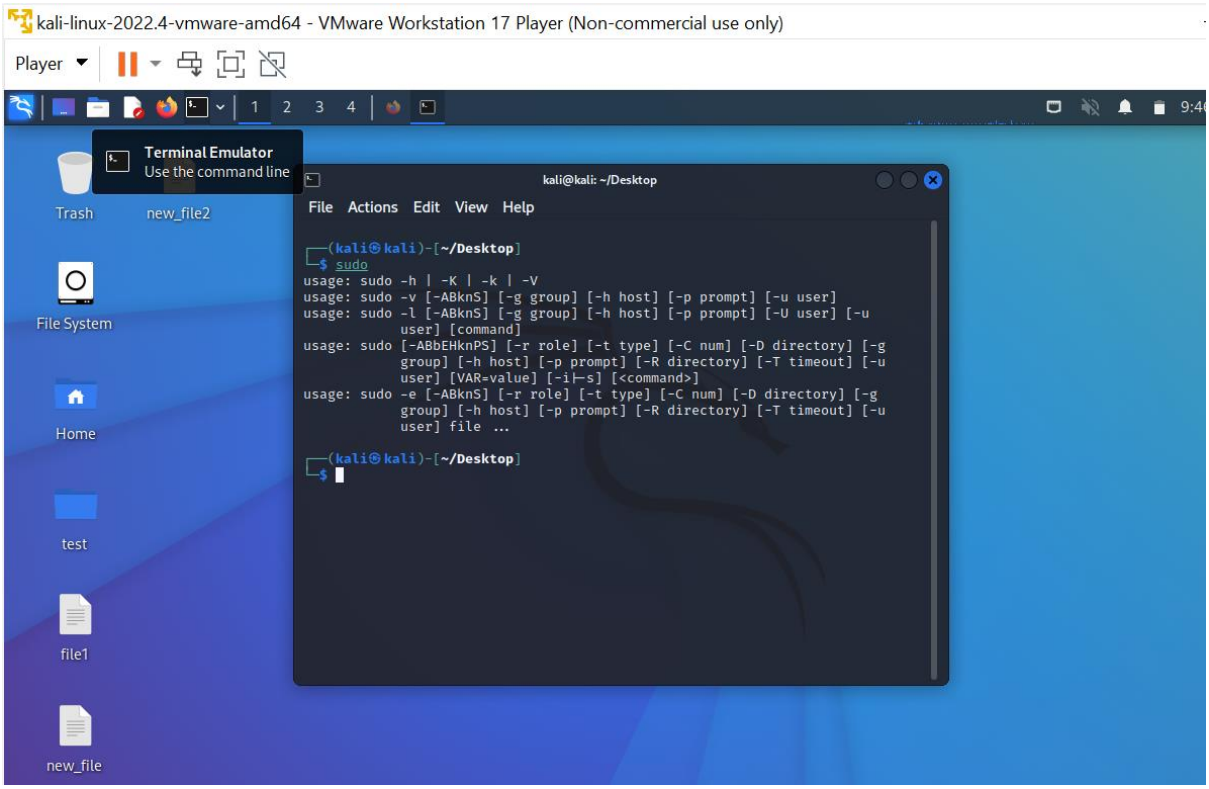


wget: Download files from the web

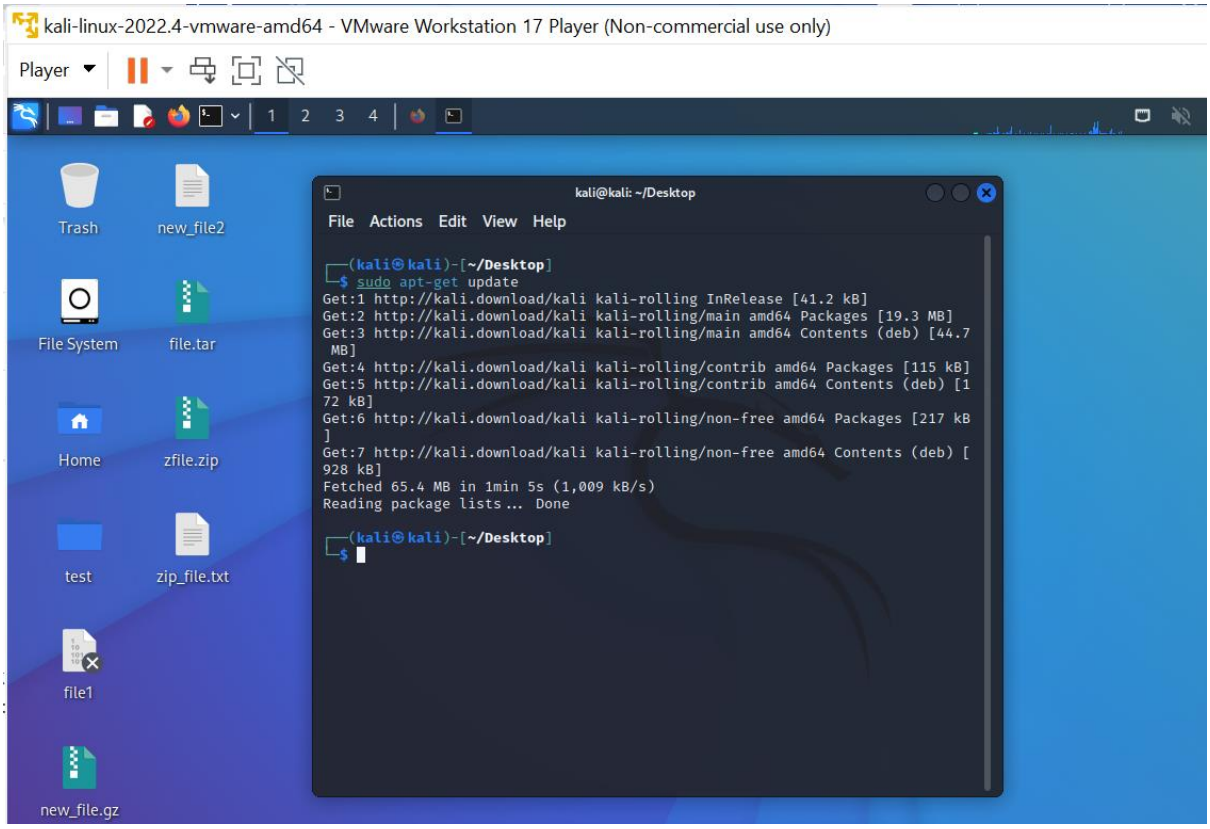


System Administration:

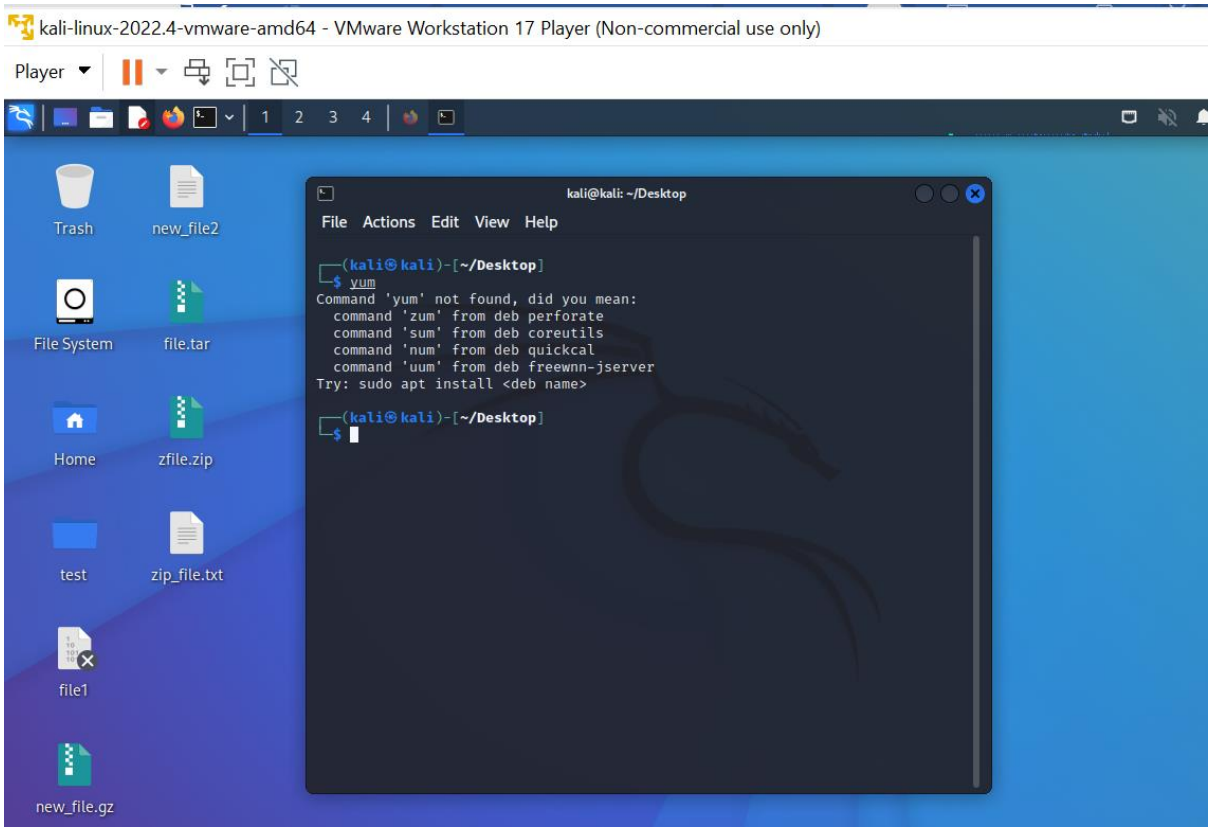
sudo: Execute commands with superuser privileges



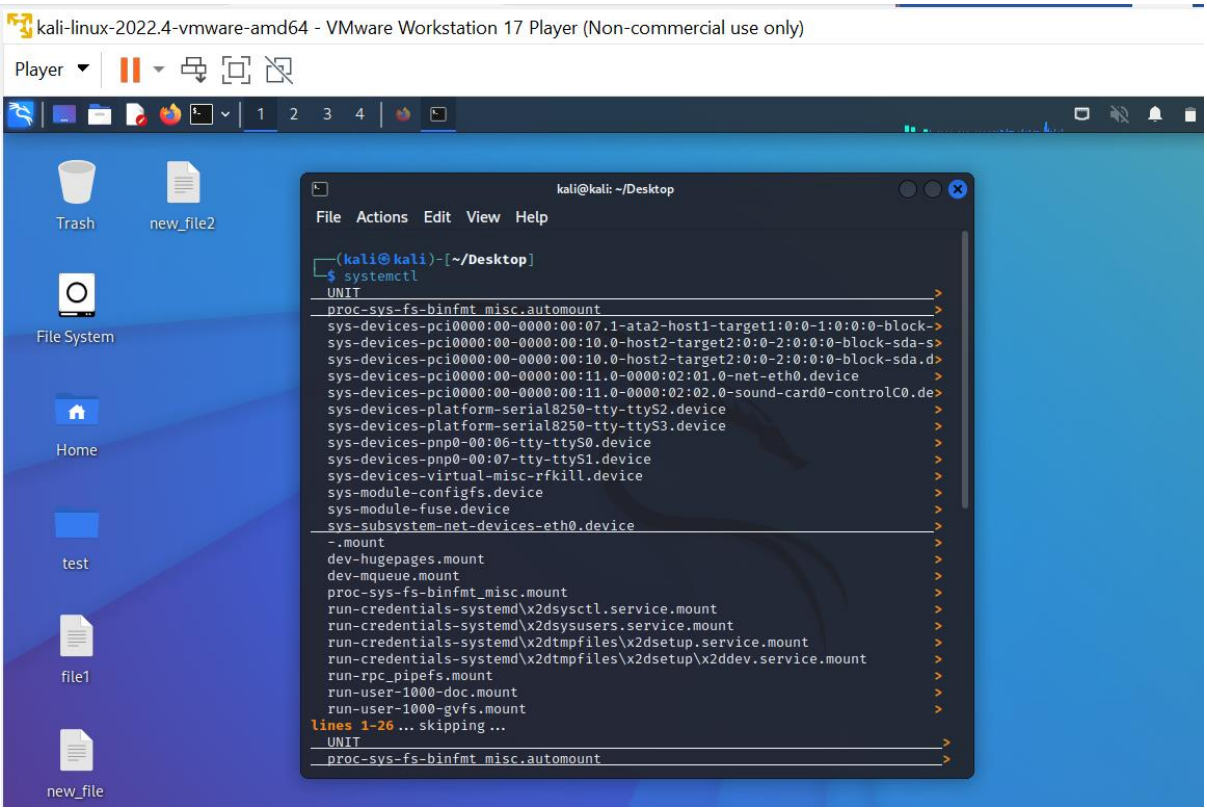
apt-get: Package management for Debian-based distributions



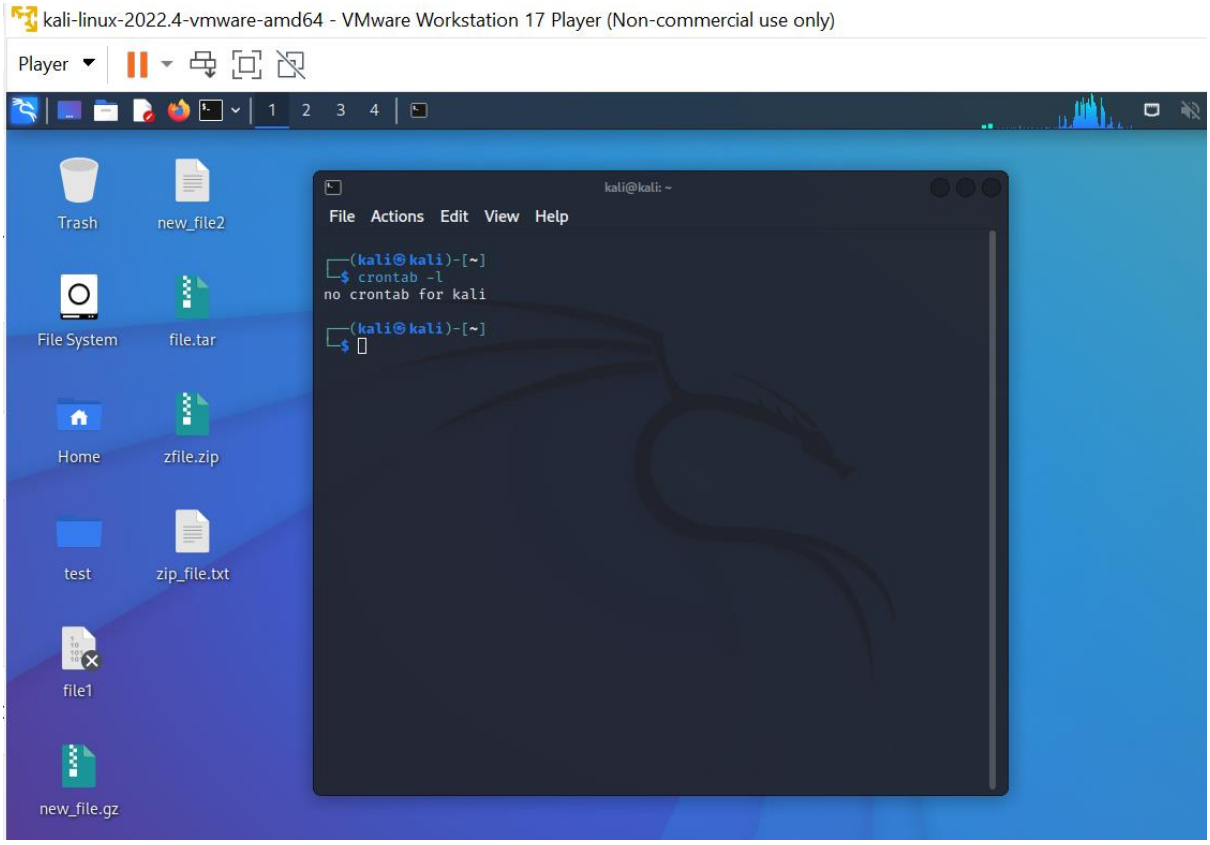
yum: Package management for Red Hat-based distributions



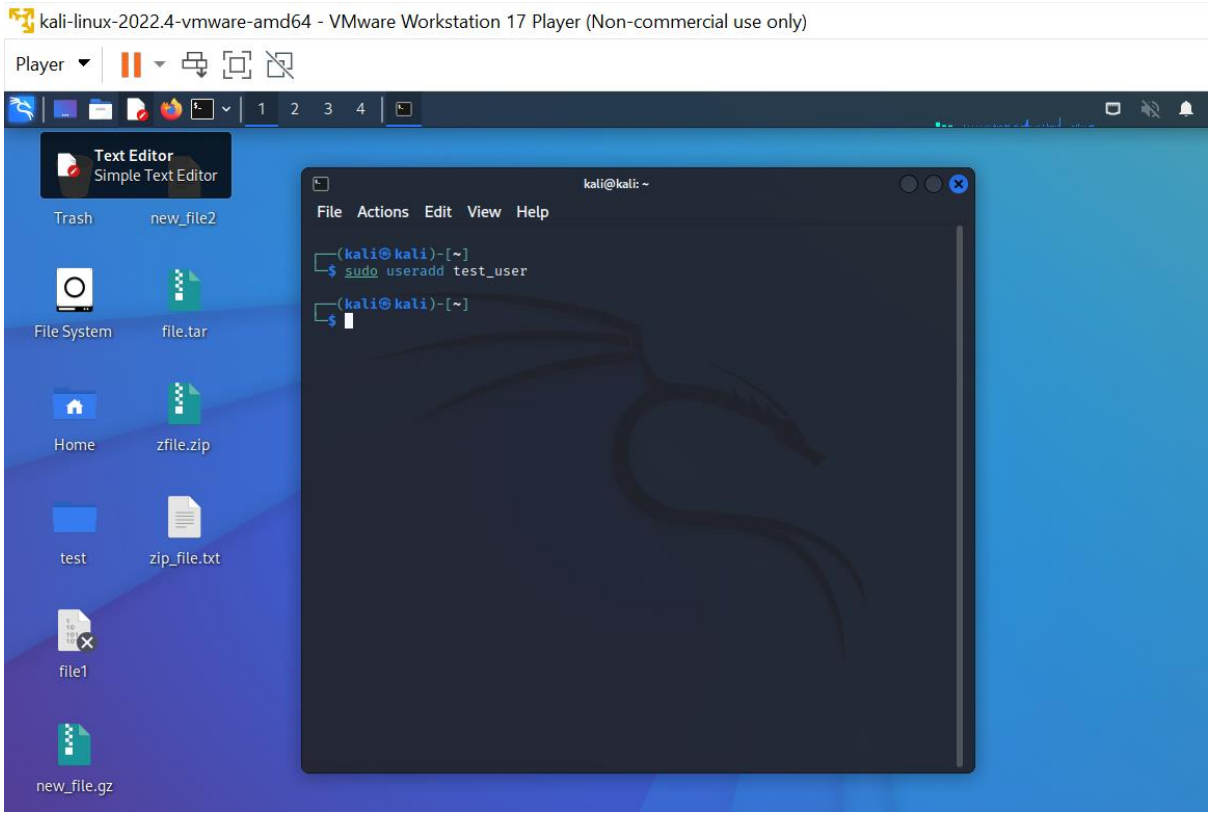
systemctl: Manage system services



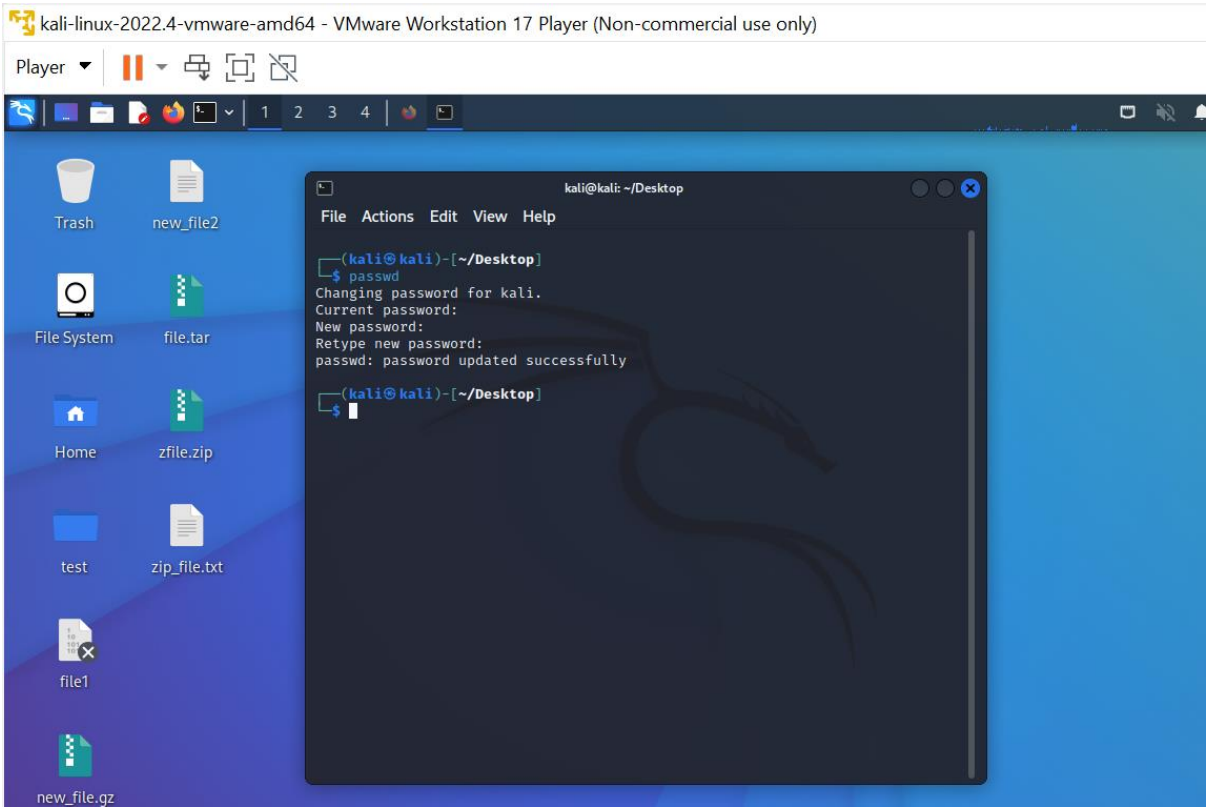
crontab: Schedule recurring tasks



useradd: Add a new user



passwd: Change user password



Ensure that you provide the correct command(s) used to accomplish each task. Write your answers below each task.

Once you have completed the assessment, review your answers and verify that the output or results are correct.

Make this in document format and send them with images