

Title: Linux Command List Assessment

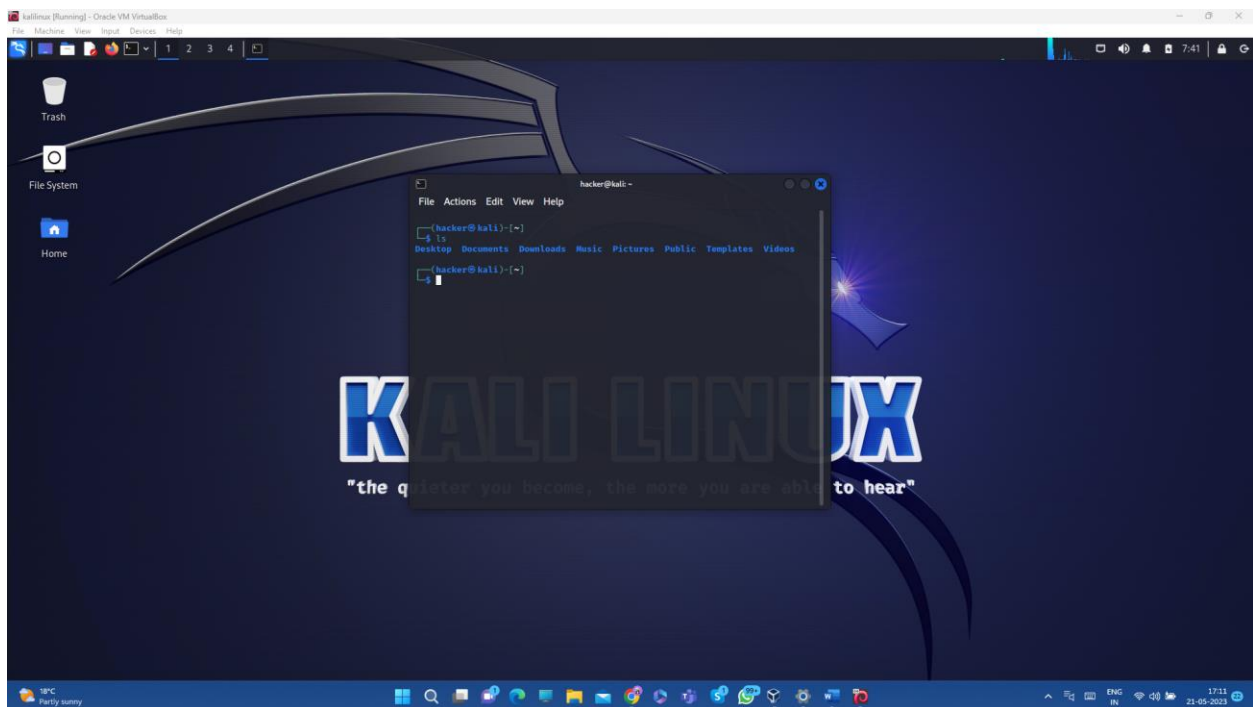
Instructions:-

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.

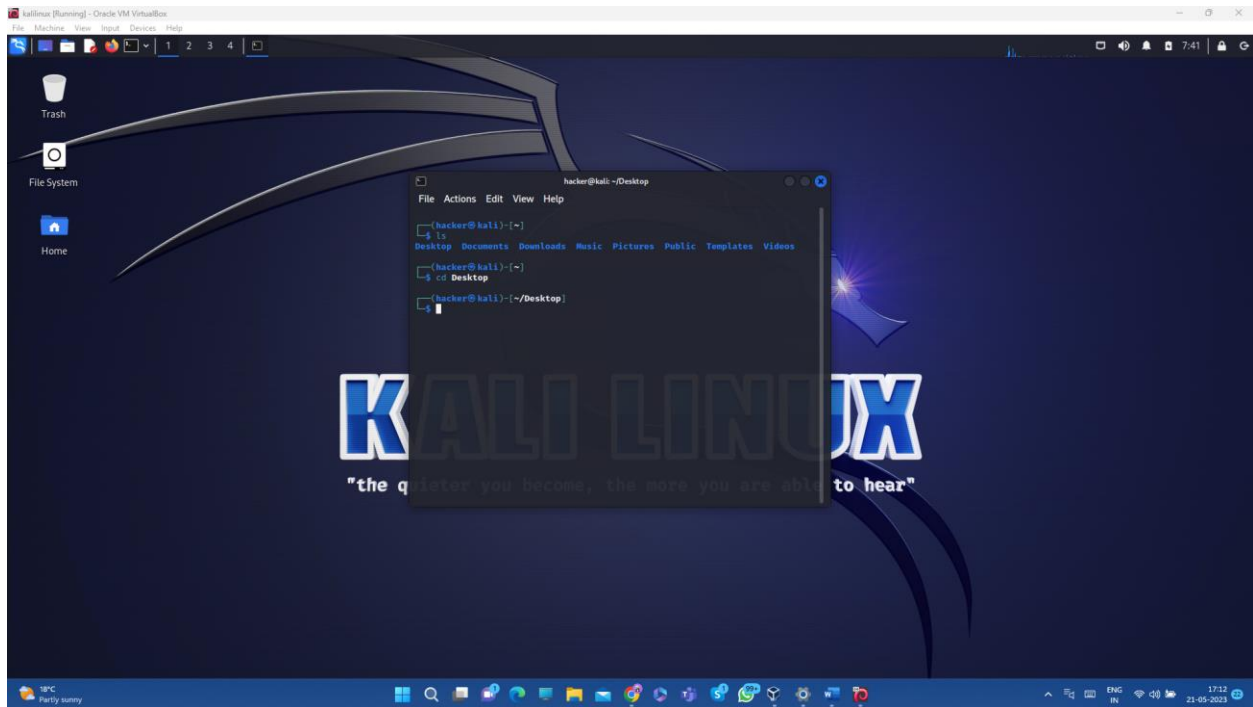
Note: It is recommended to perform this assessment on a Linux machine or virtual environment.

File and Directory Operations:

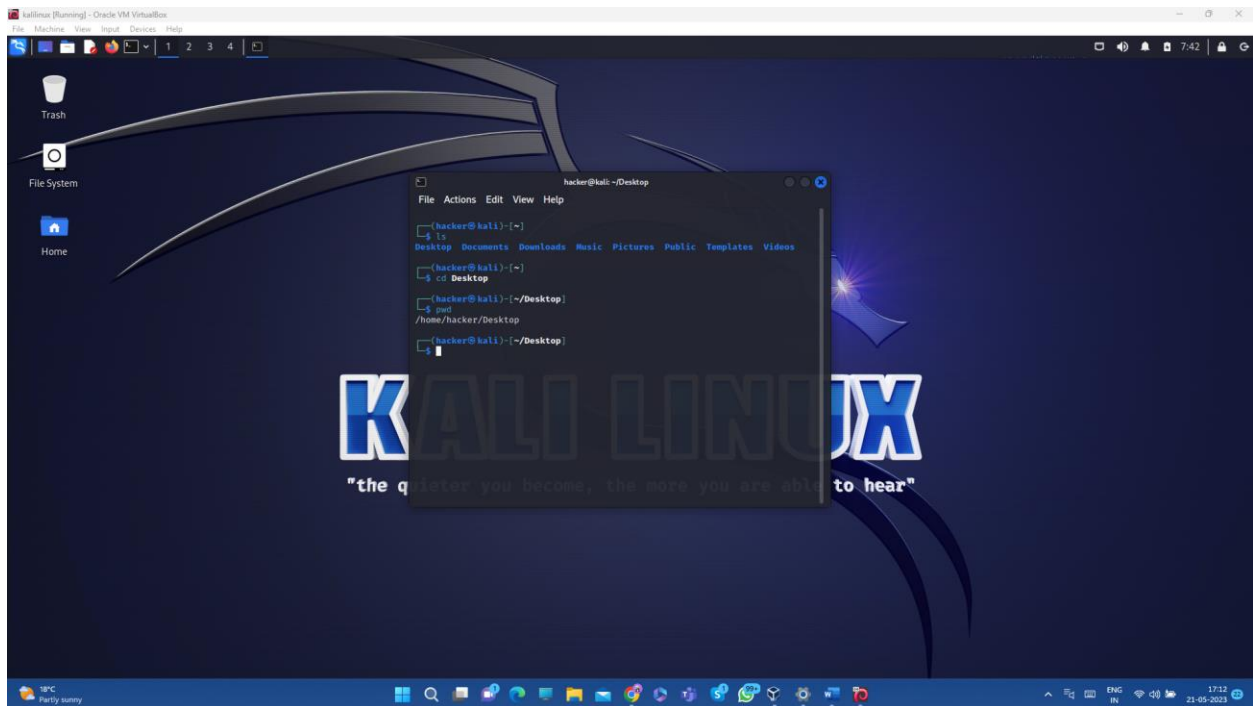
ls: List files and directories



cd: Change directory



pwd: Print working directory



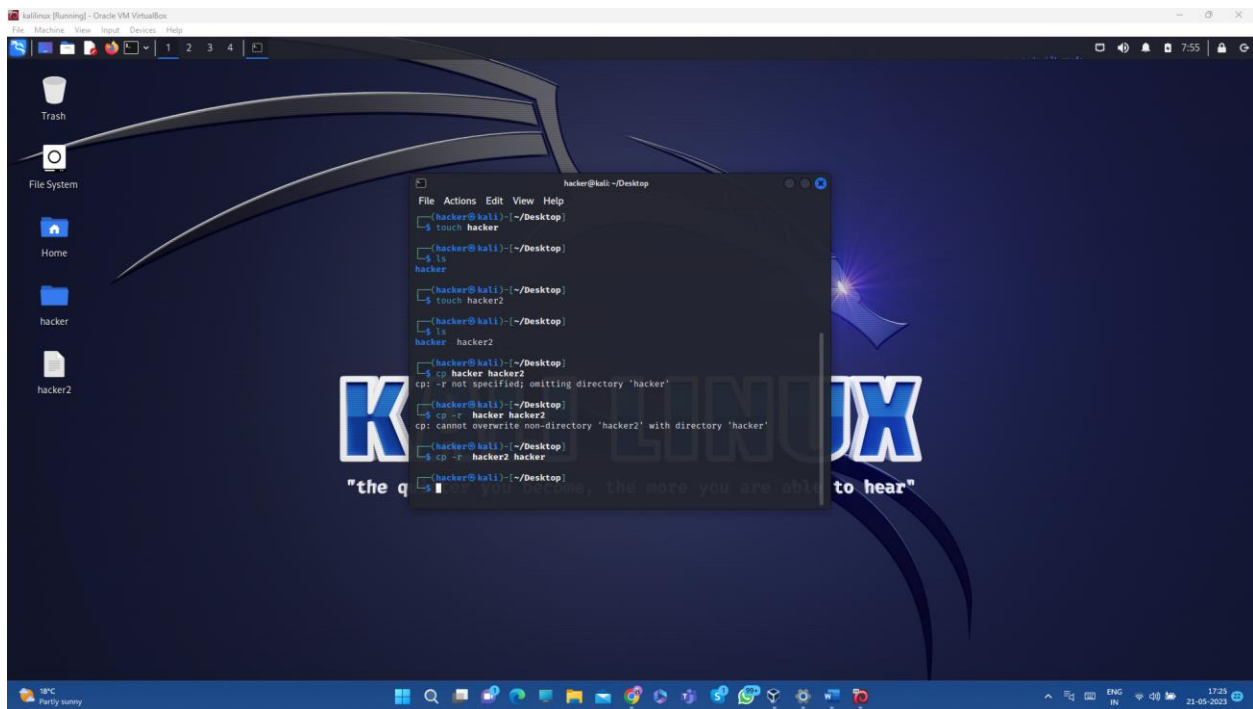
mkdir: Make directory



touch: Create an empty file



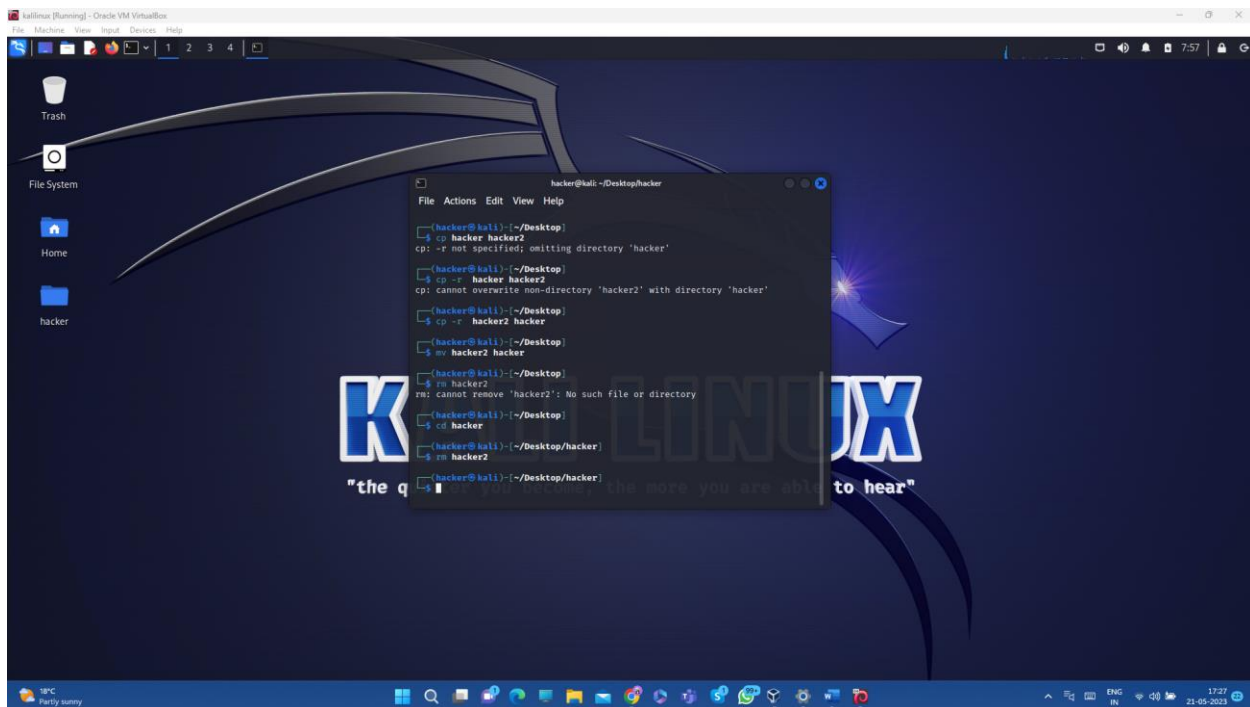
cp: Copy files and directories



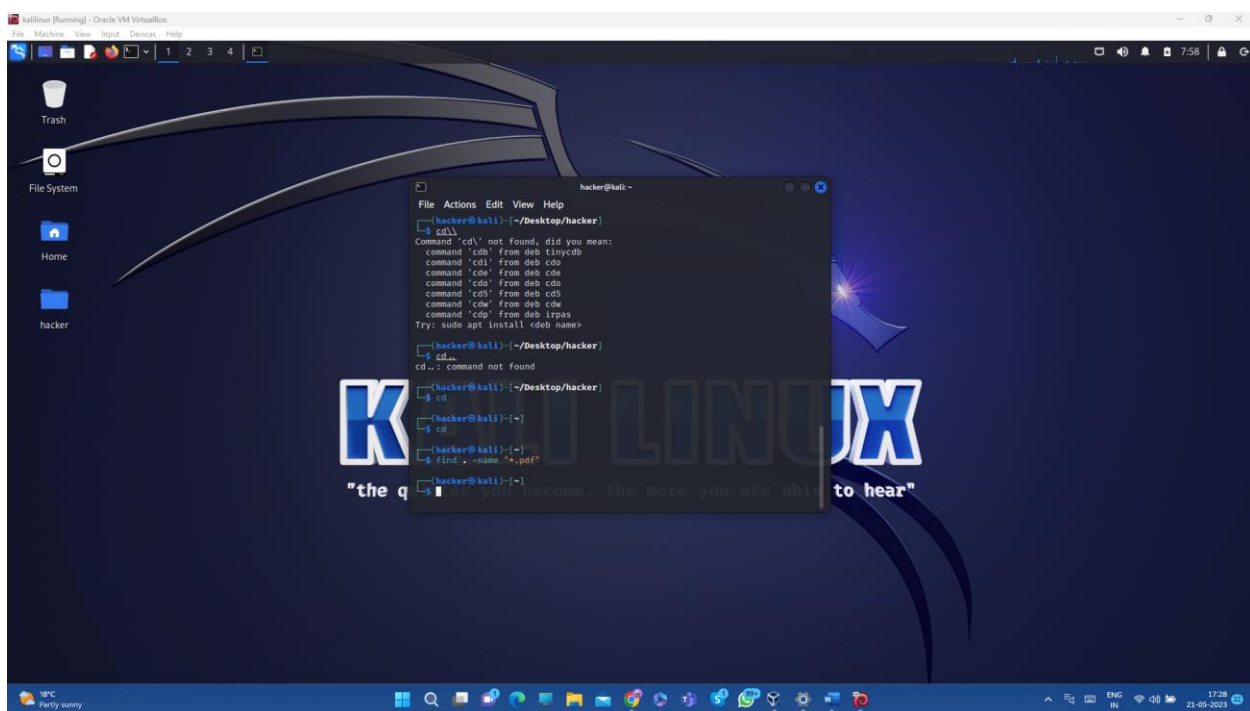
mv: Move or rename files and directories



rm: Remove files and directories



find: Search for files and directories



File Viewing and Editing:

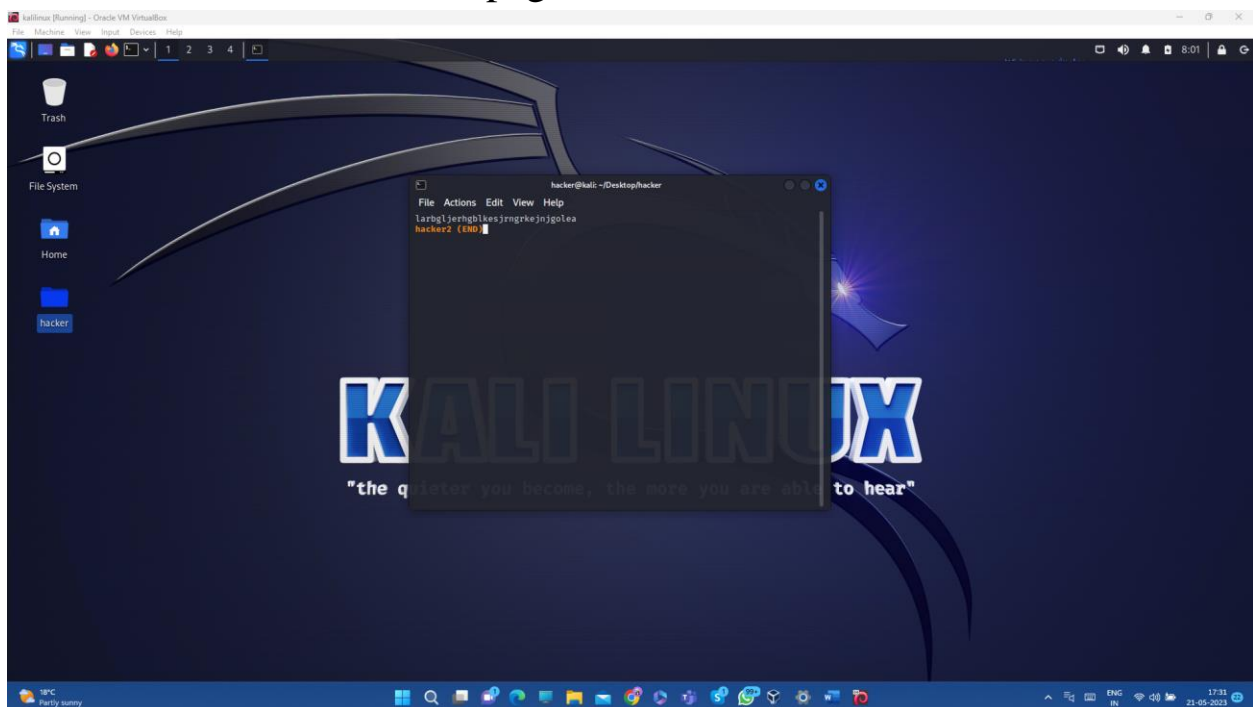
cat: Concatenate and display file content



The screenshot shows a Kali Linux desktop environment. A terminal window is open, displaying the following commands and output:

```
hacker@kali: ~/Desktop/hacker
File Actions Edit View Help
~$ cd hacker
cd: no such file or directory: hacker
(hacker@kali)~$ 
~$ cd hacker
cat: hacker: No such file or directory
(hacker@kali)~$ 
~$ cat hacker2
cat: hacker2: No such file or directory
(hacker@kali)~$ 
~$ cd hacker
cd: no such file or directory: hacker
(hacker@kali)~$ 
~$ cd /home/hacker/Desktop
(hacker@kali)~/Desktop$ 
~$ cd hacker
(hacker@kali)~/Desktop/hacker$ 
~$ cat hacker2
larbgljerrghbikesjrrgrkejngolea
(hacker@kali)~/Desktop/hacker$
```

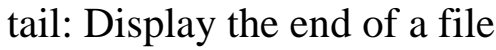
less: View file content with pagination

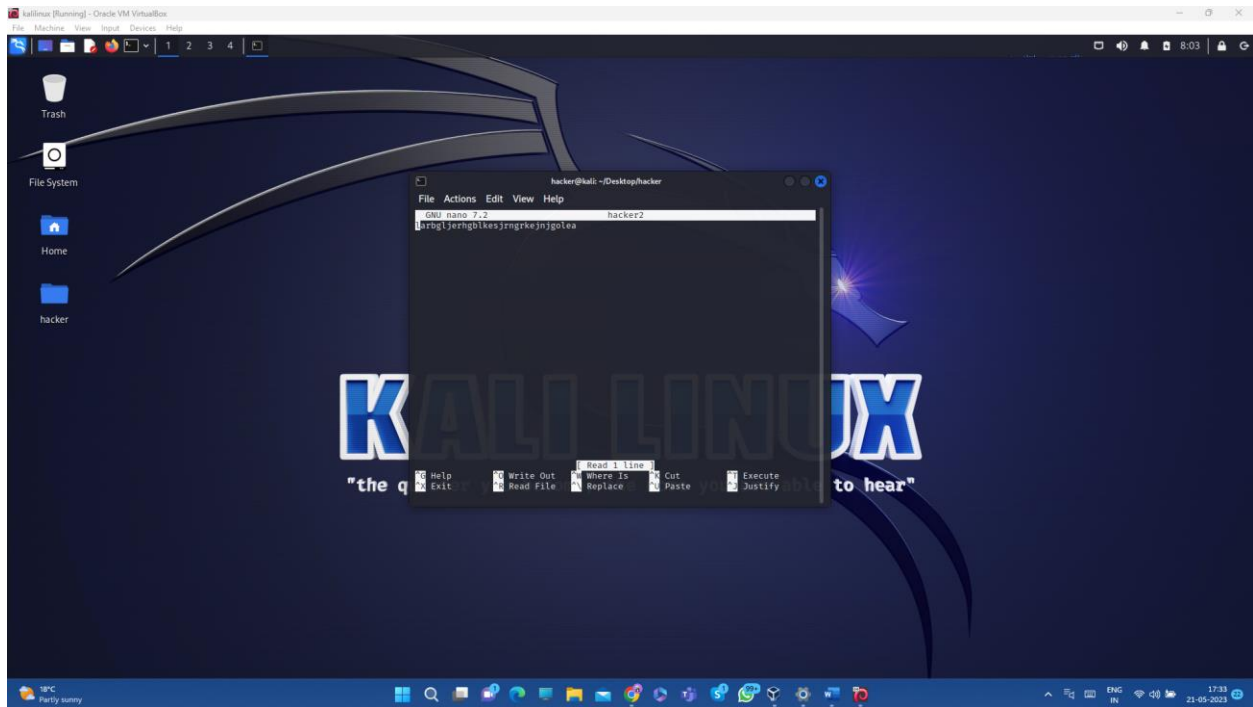


The screenshot shows a Kali Linux desktop environment. A terminal window is open, displaying the following commands and output:

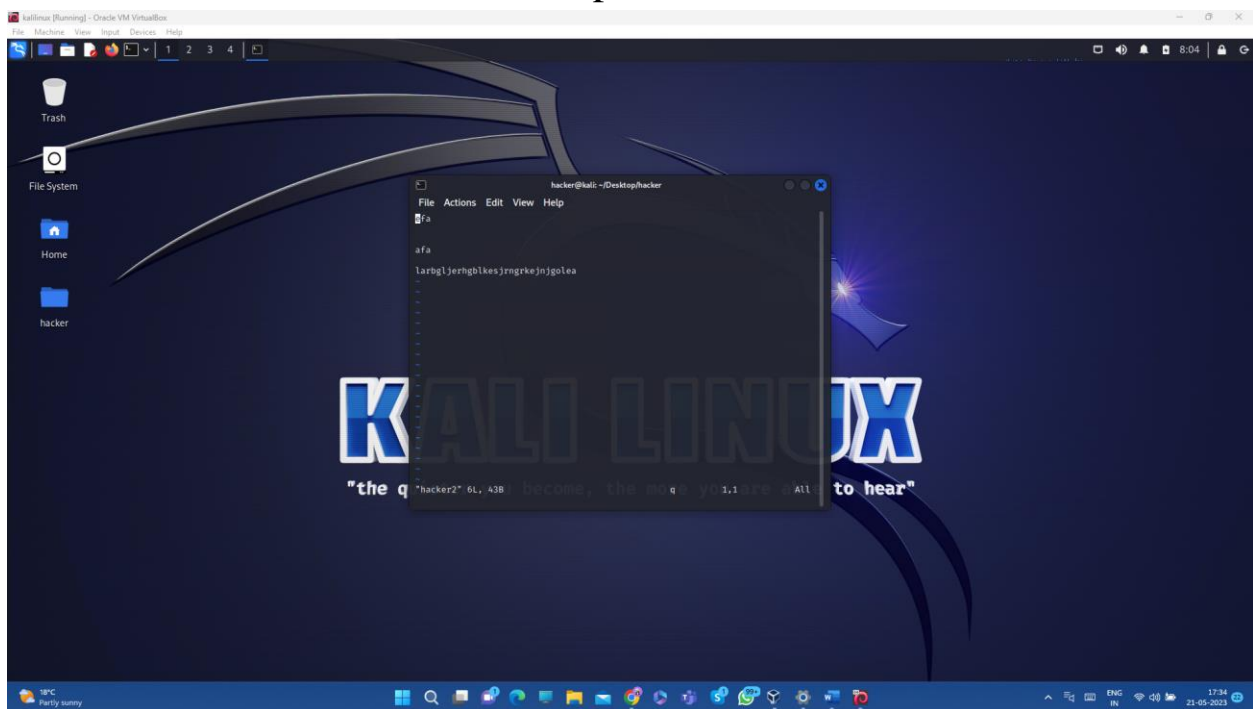
```
hacker@kali: ~/Desktop/hacker
File Actions Edit View Help
larbgljerrghbikesjrrgrkejngolea
hacker2 (END)
```

head: Display the beginning of a file





vi/vim: Powerful text editor for experienced users

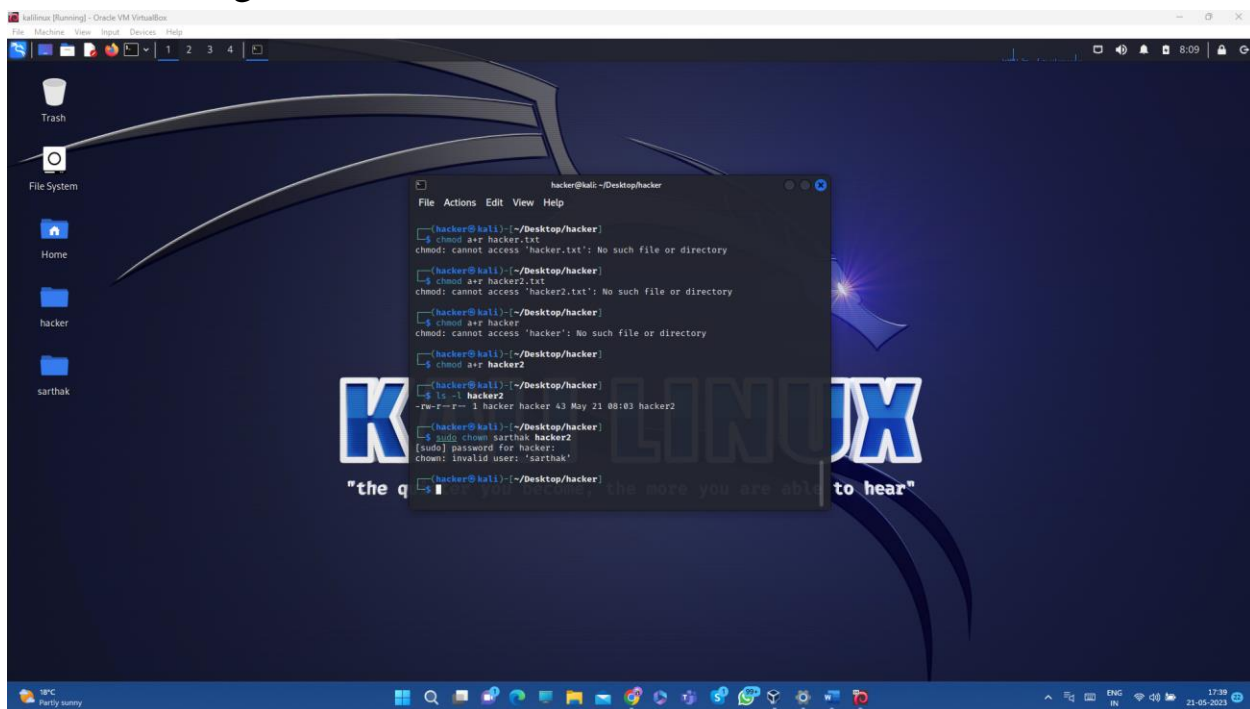


File Permissions:

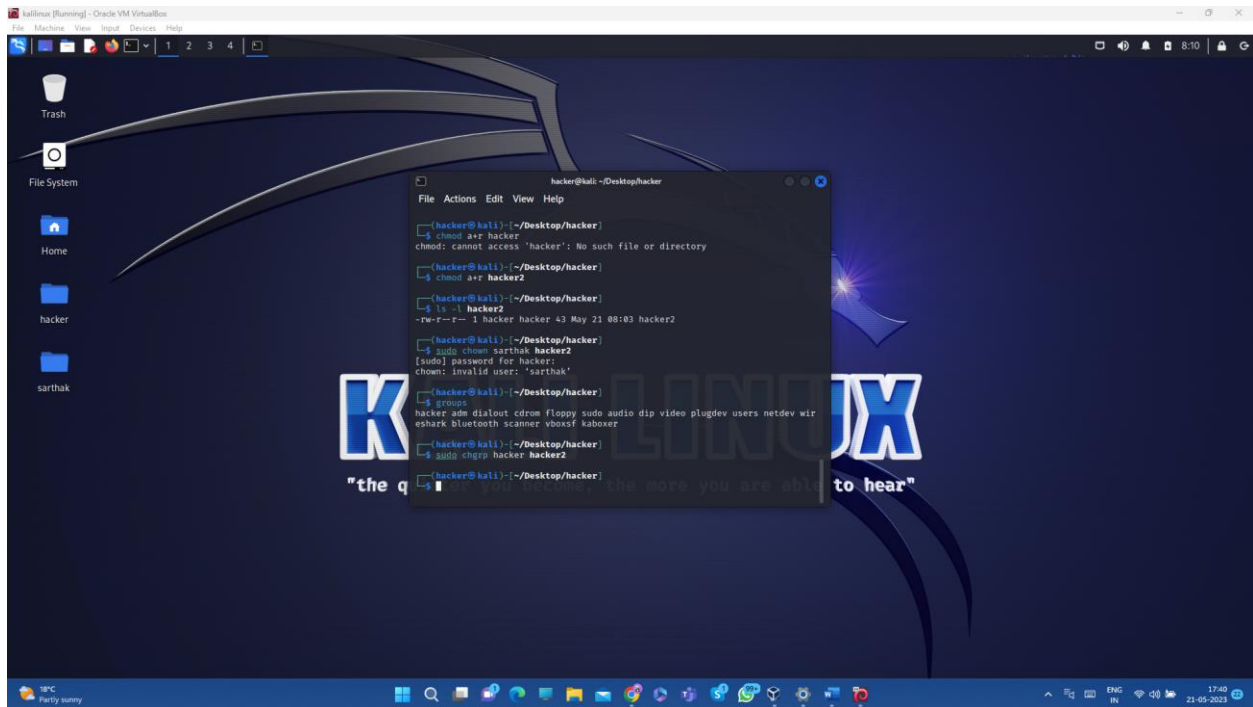
chmod: Change file permissions



chown: Change file owner

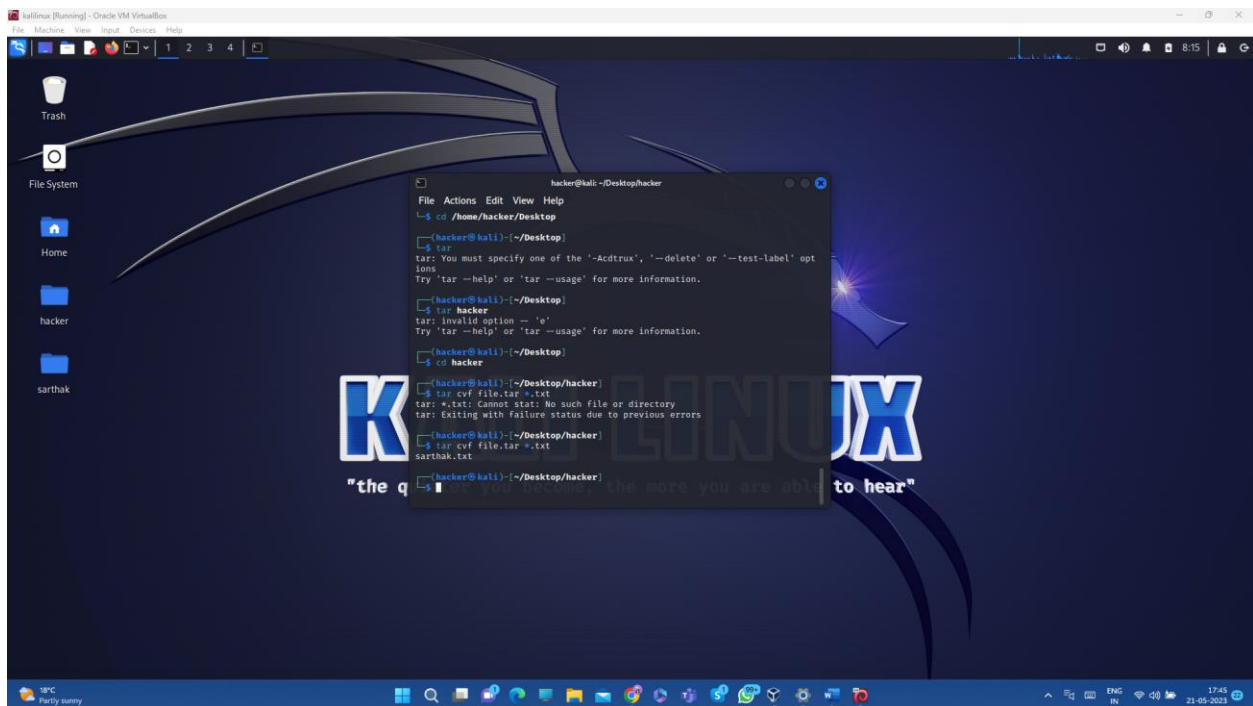


chgrp: Change file group

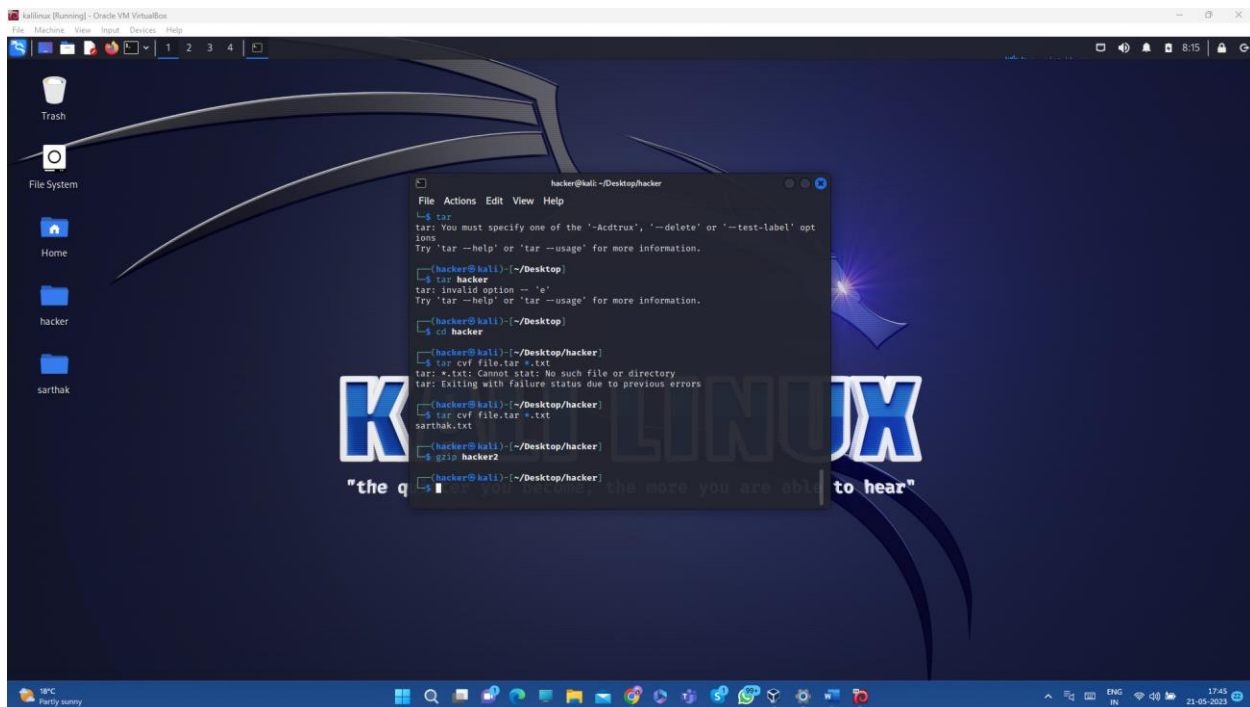


File Compression and Archiving:

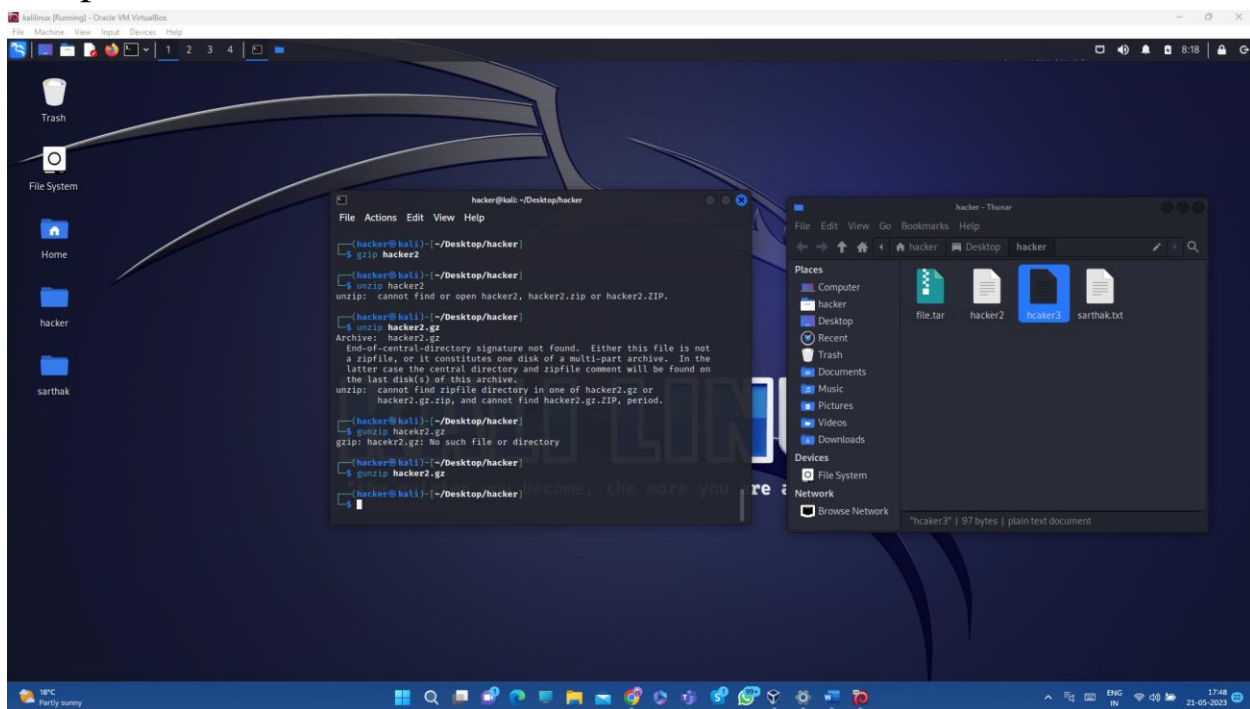
tar: Archive files



gzip: Compress files

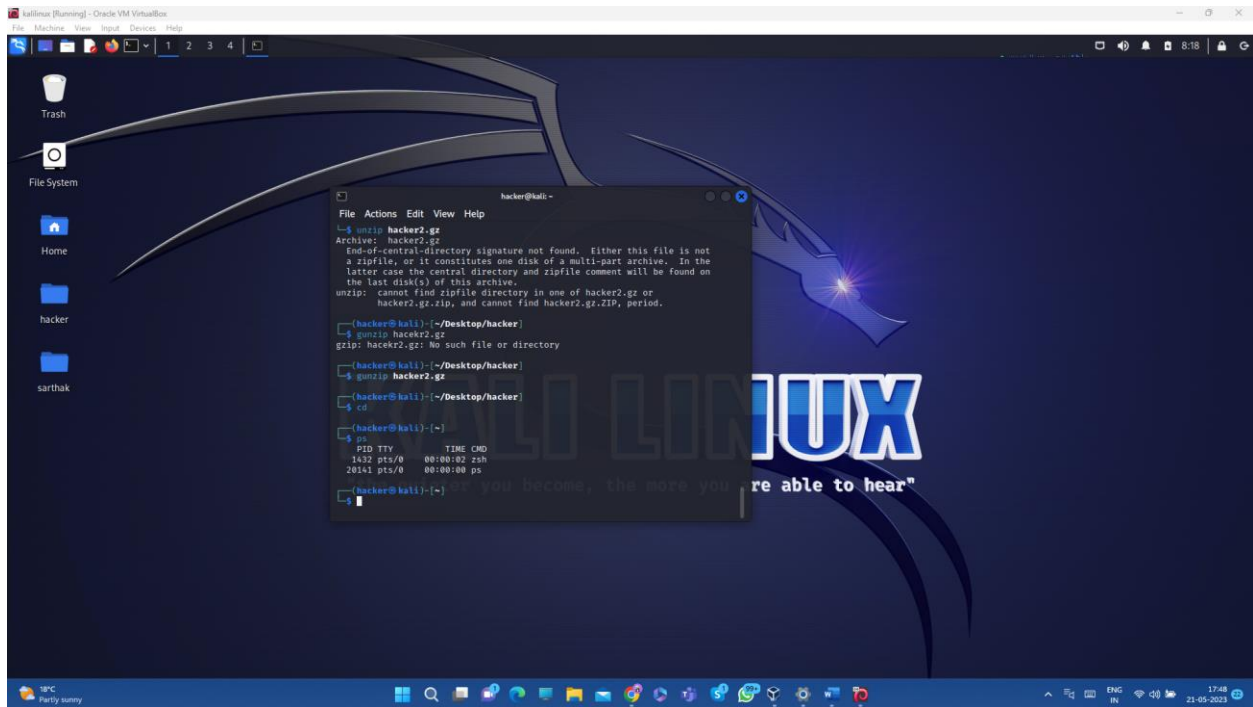


unzip: Extract files from a ZIP archive

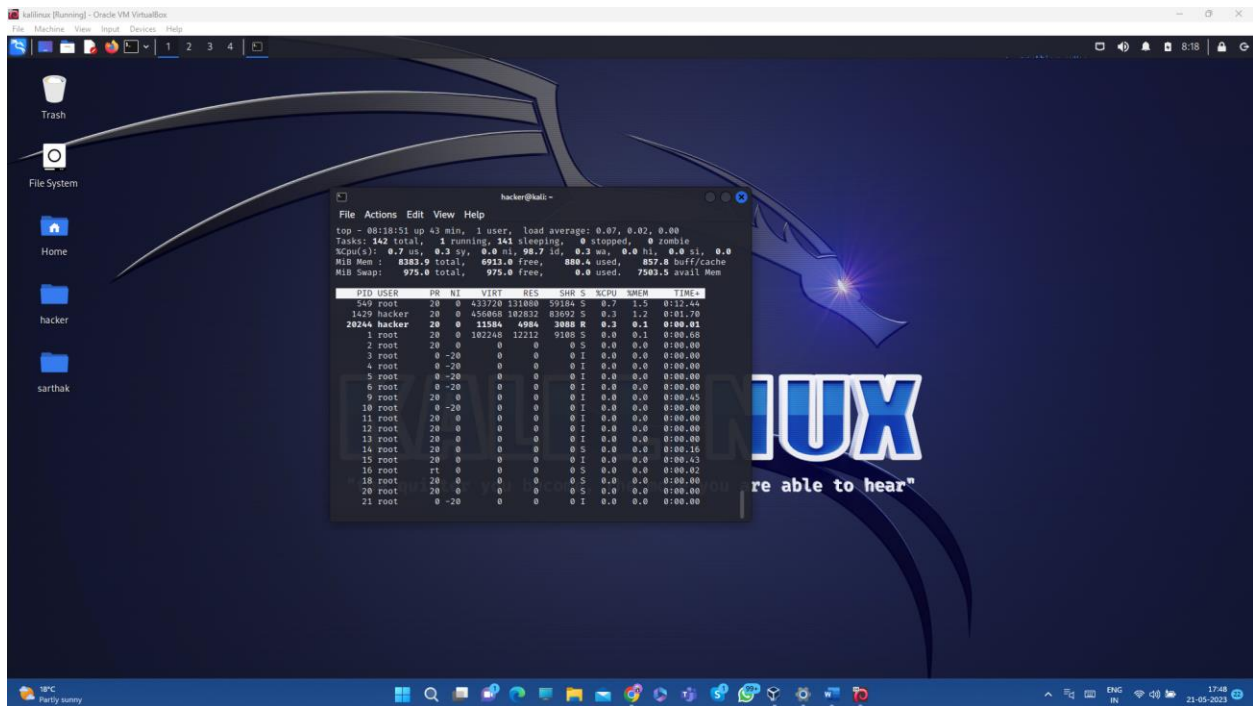


Process Management:

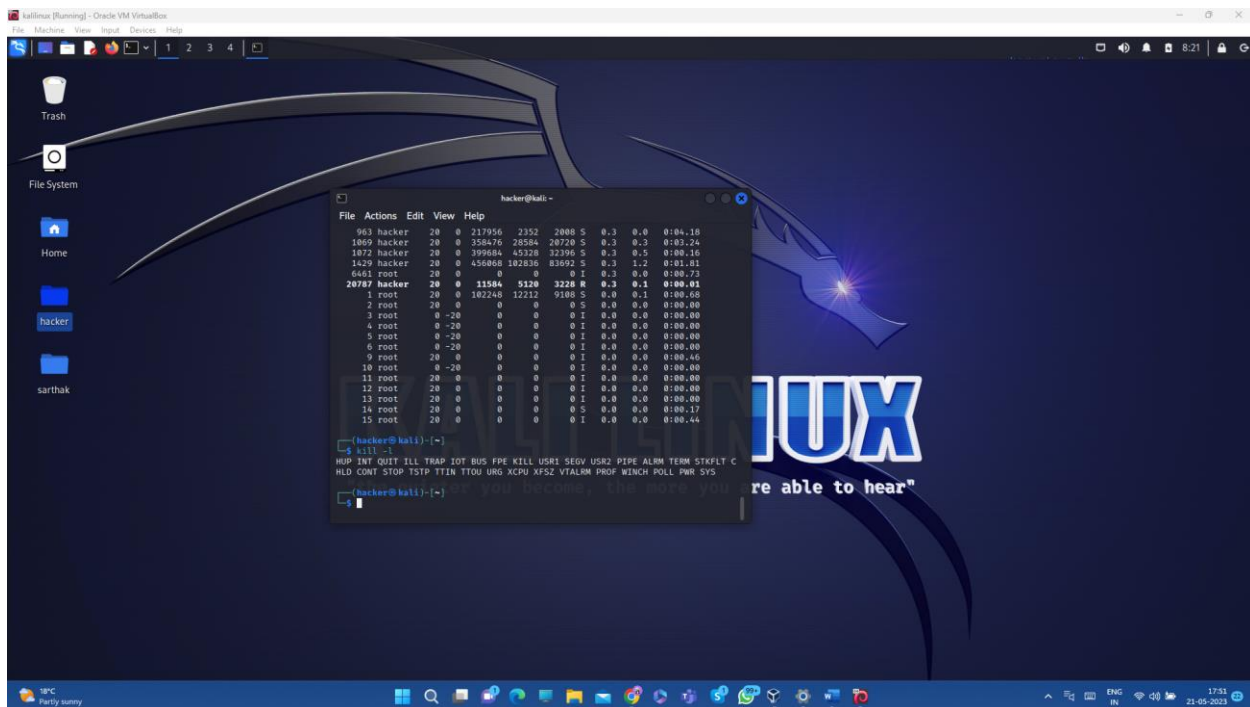
ps: List running processes



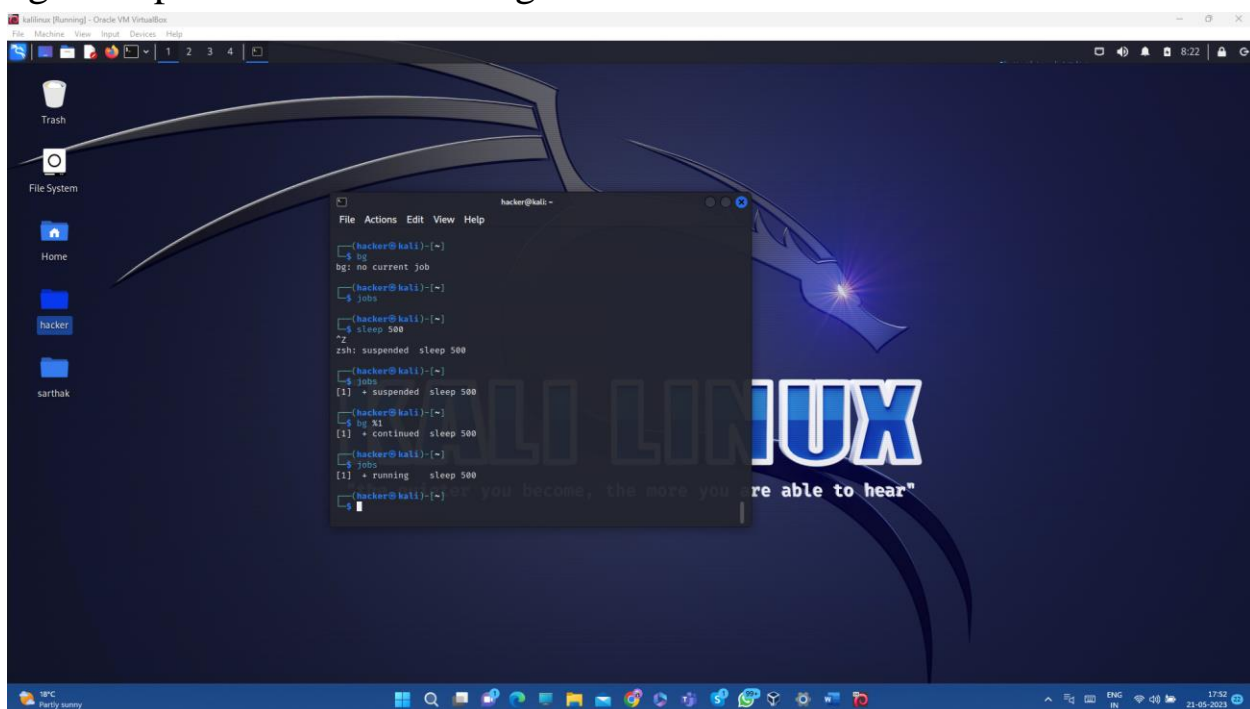
top: Display real-time system information and processes



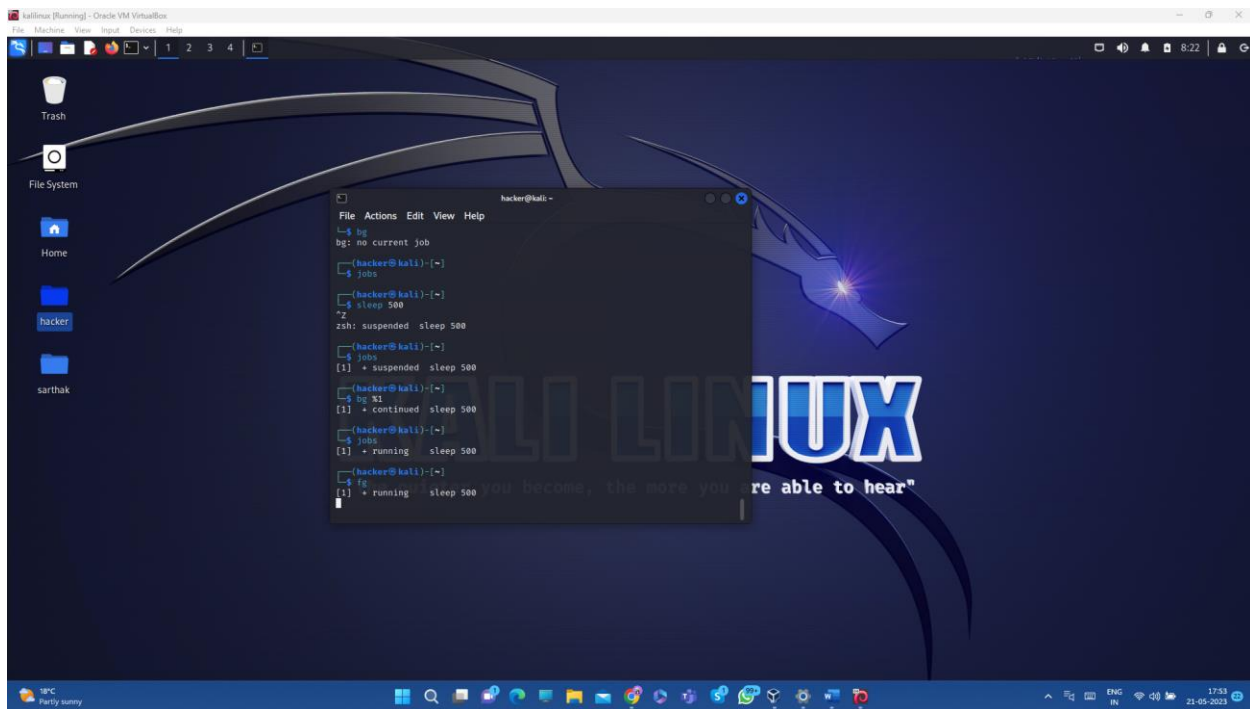
kill: Terminate processes



bg: Run processes in the background

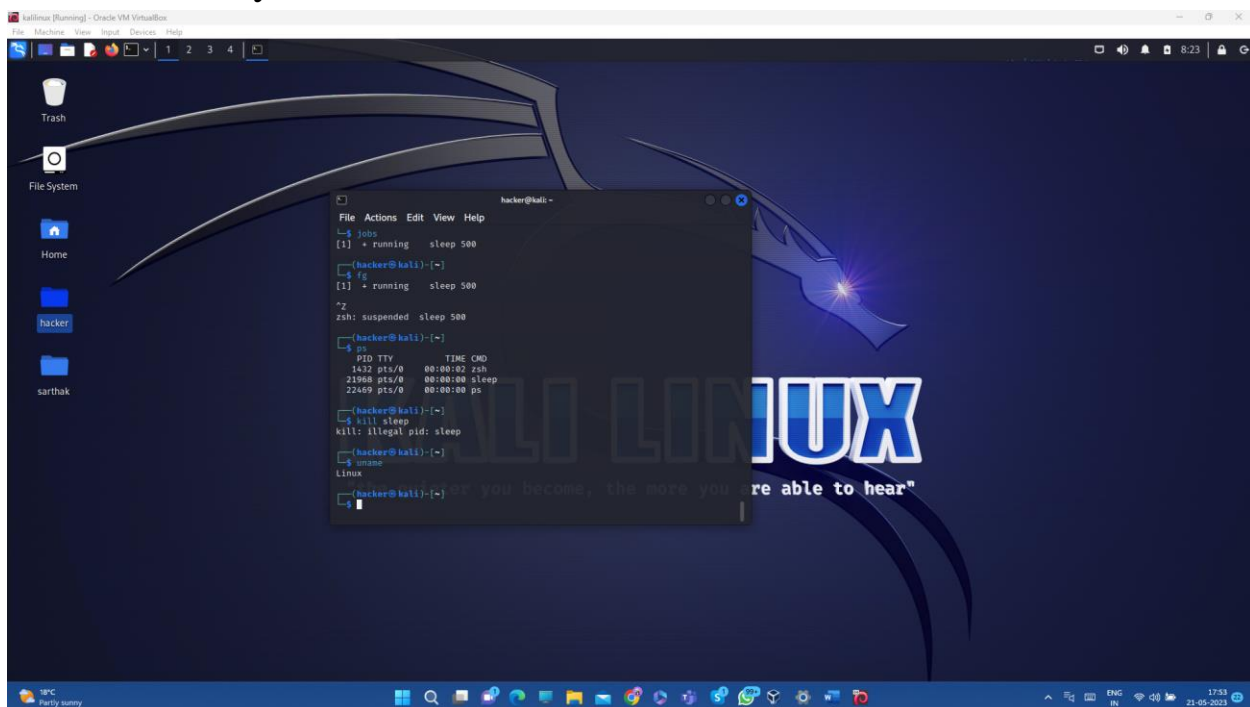


fg: Bring background processes to the foreground

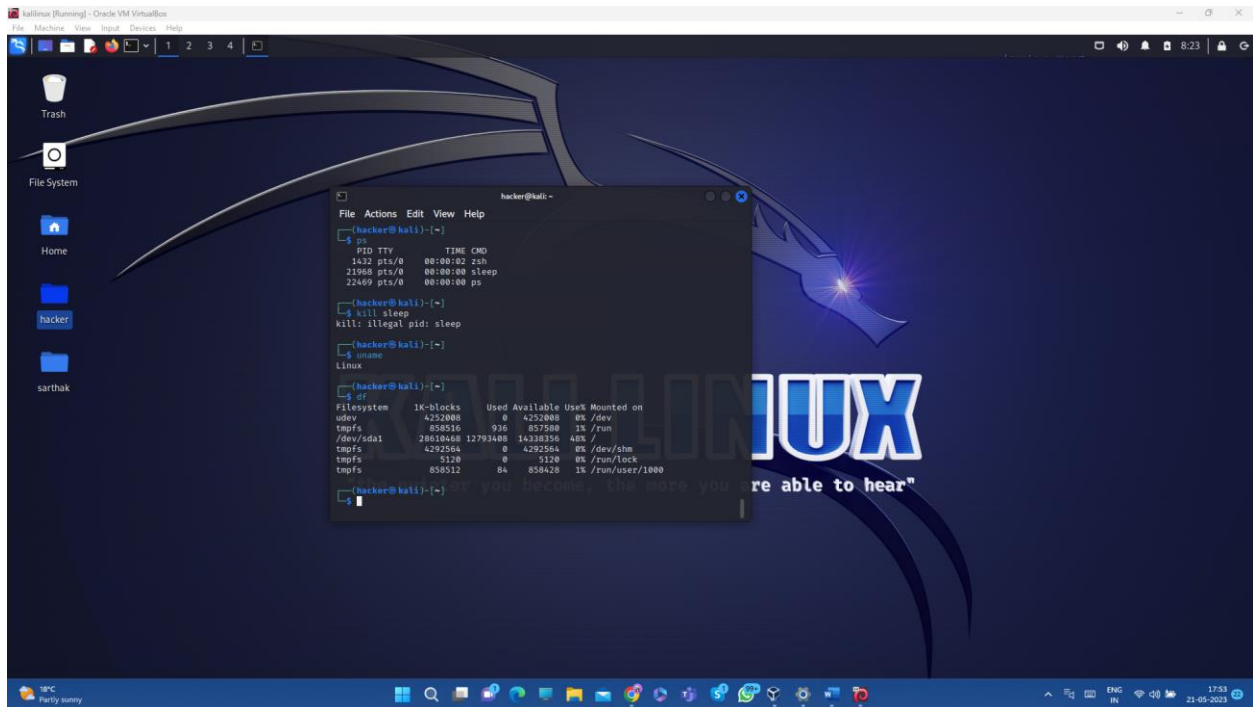


System Information:

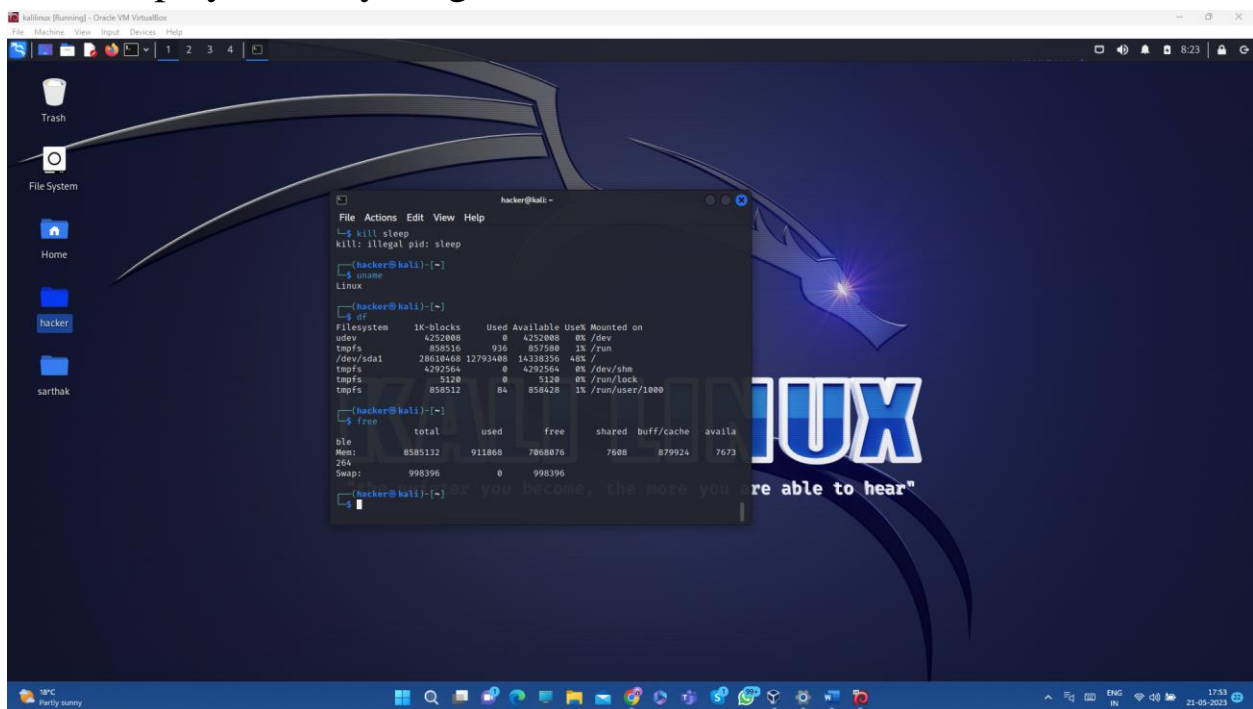
uname: Print system information



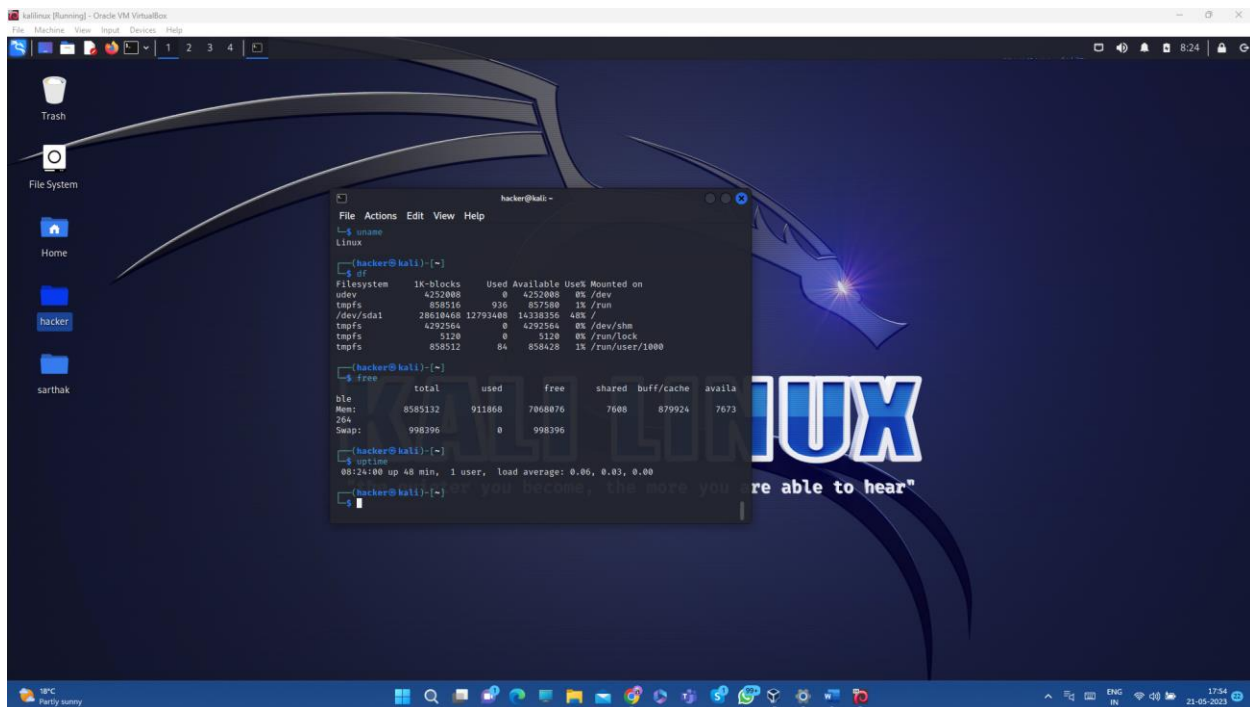
df: Display disk space usage



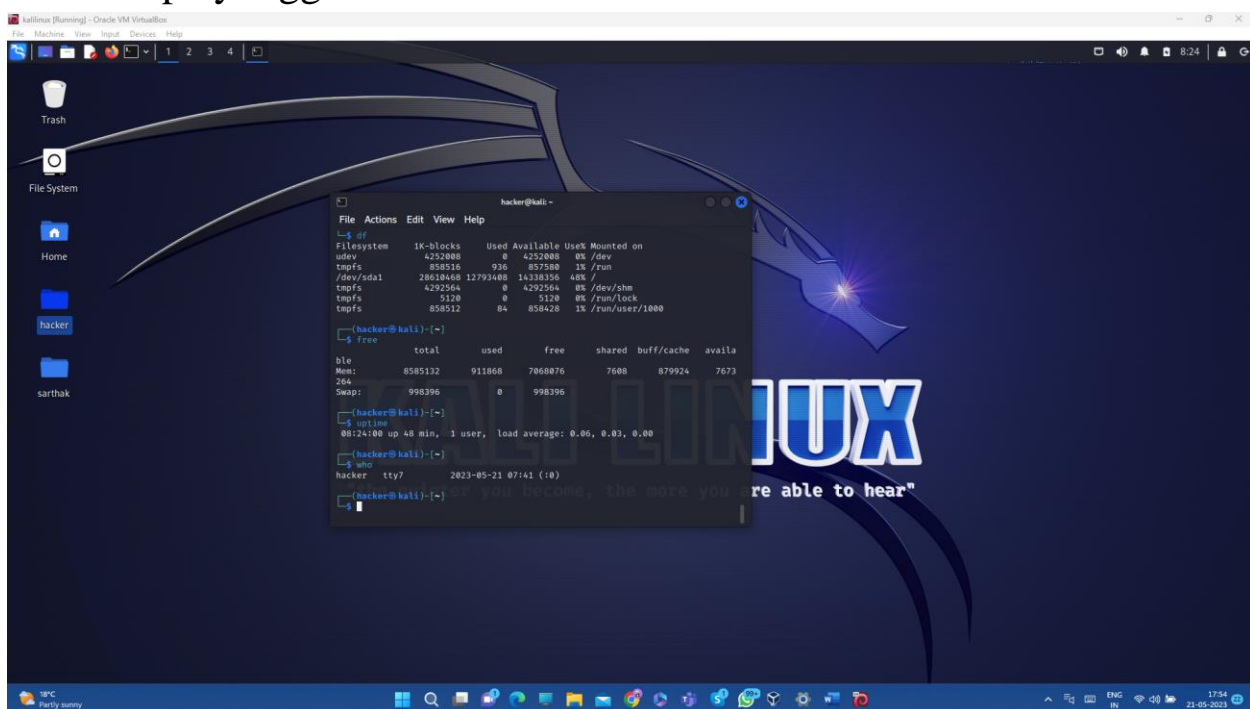
free: Display memory usage



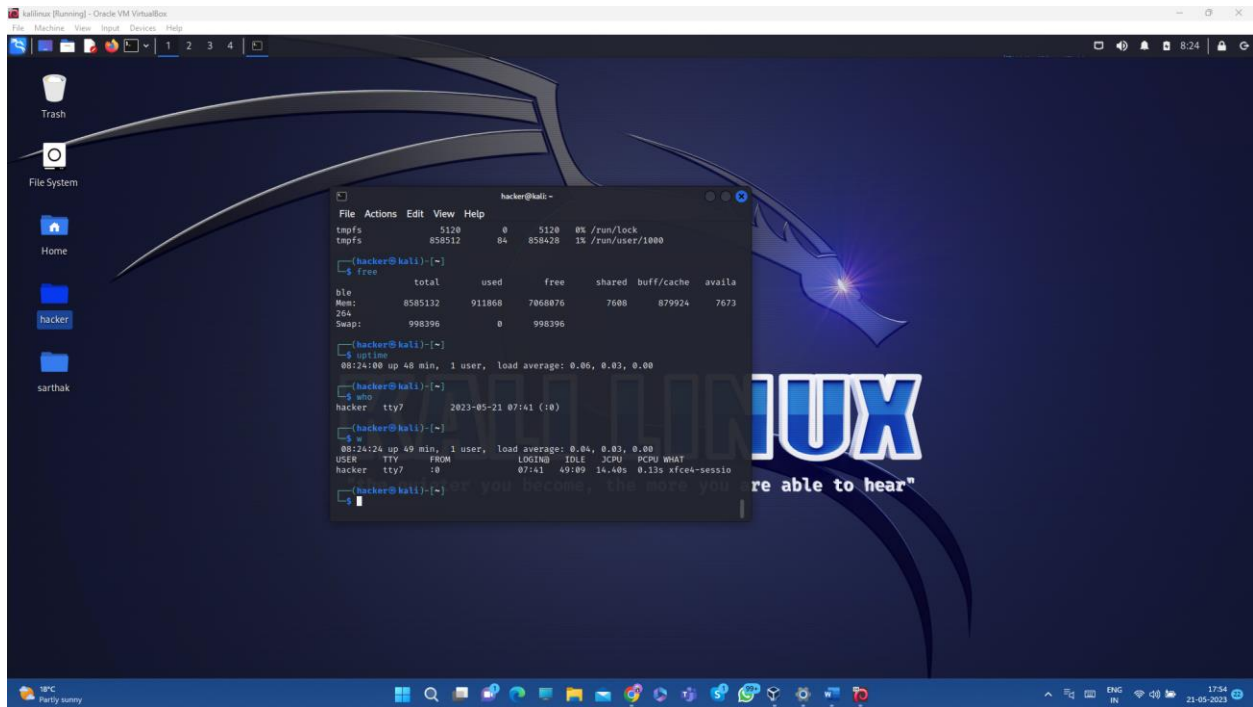
uptime: Show system uptime



who: Display logged-in users

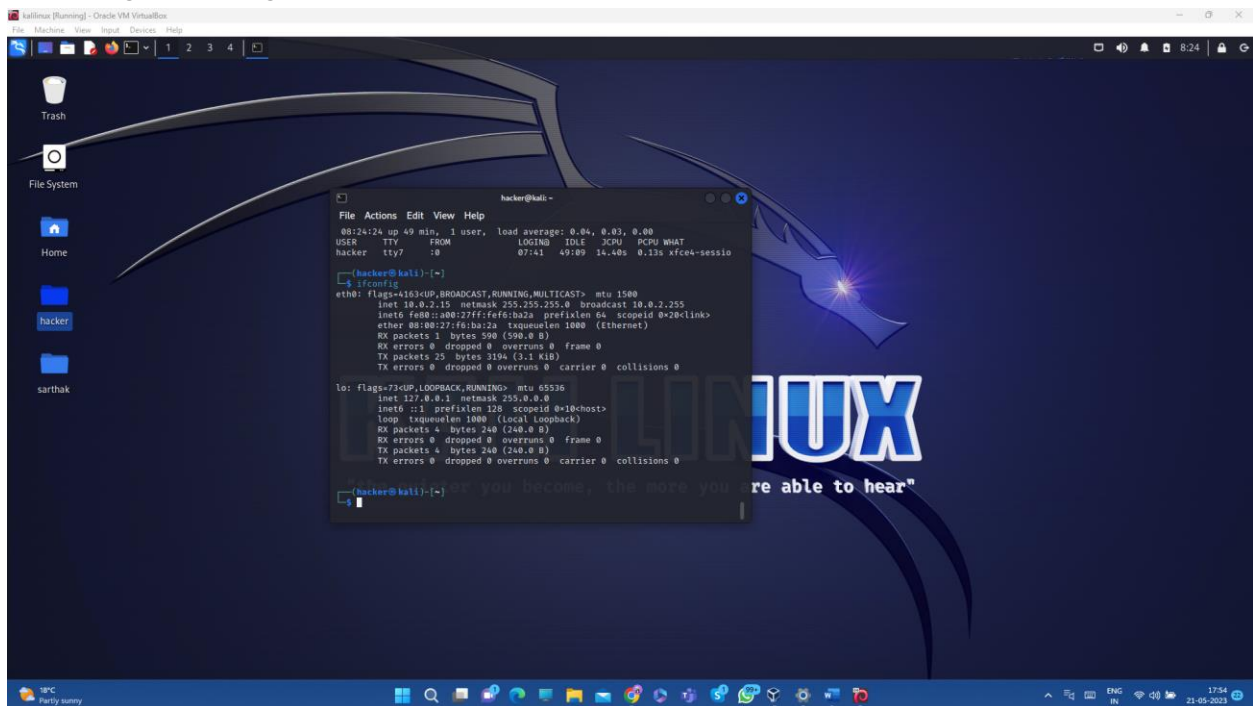


w: Display logged-in users and their activities

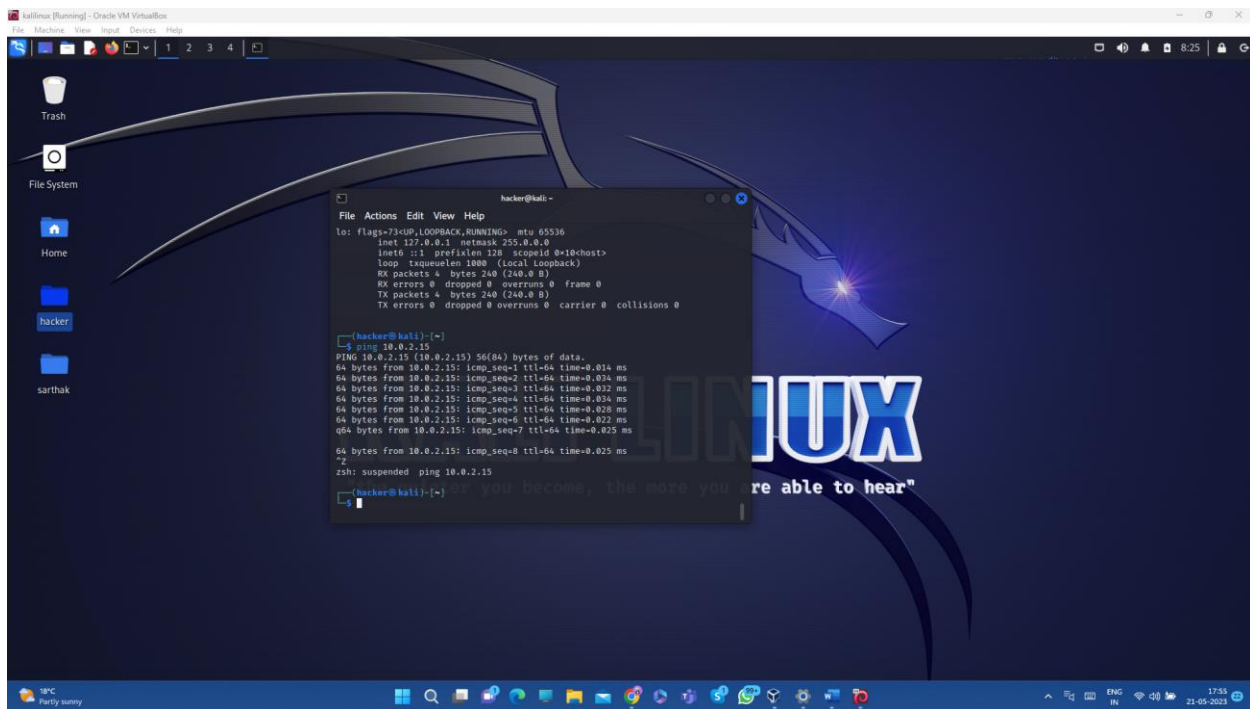


Networking:

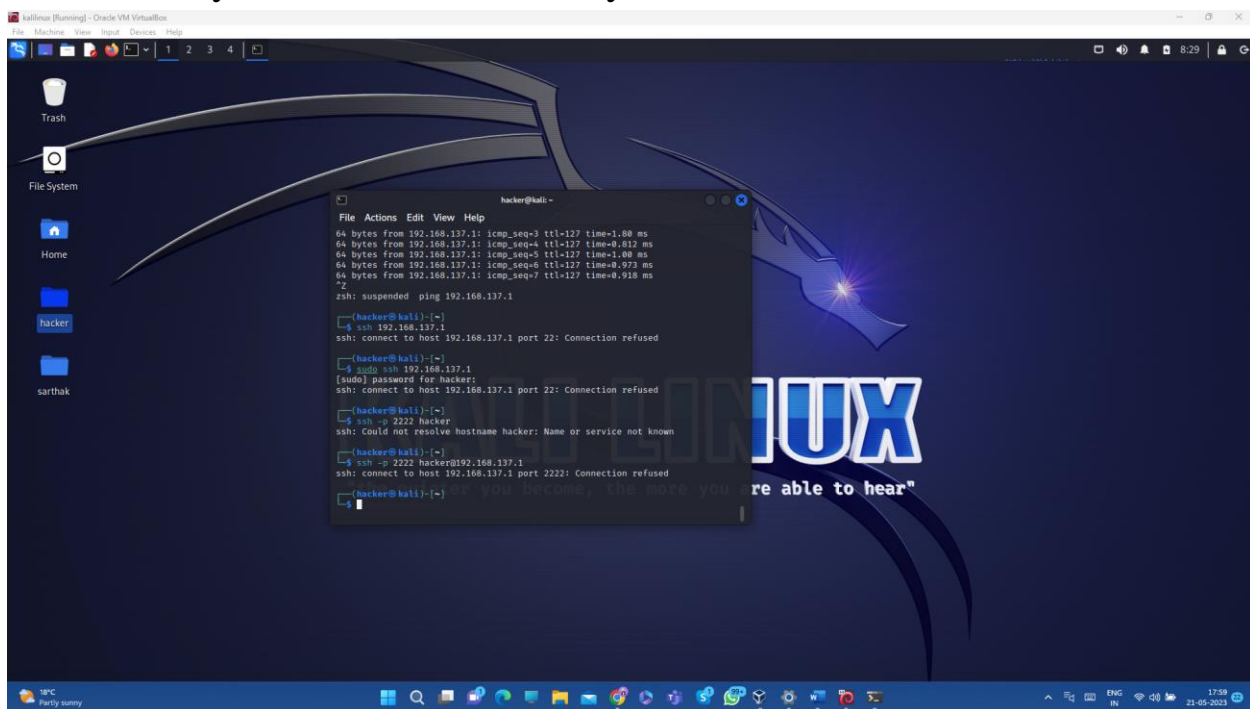
ifconfig: Configure network interfaces



ping: Send ICMP echo requests to a network host

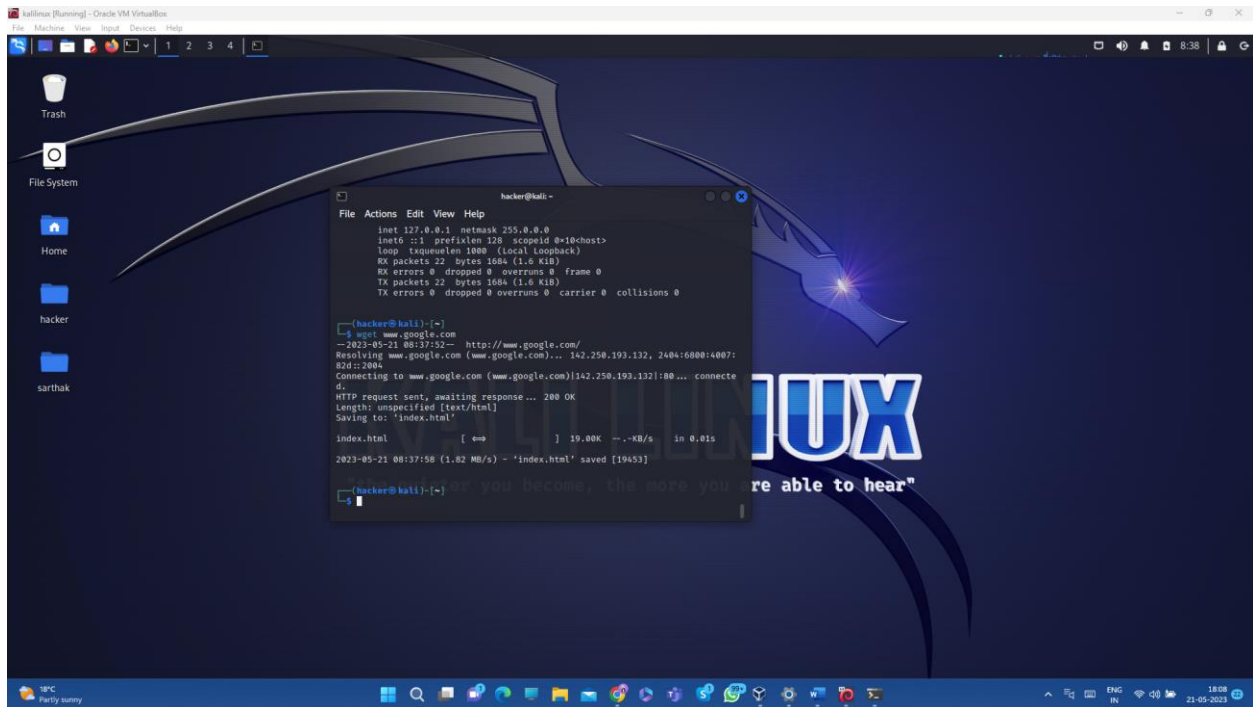


ssh: Securely connect to a remote system



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 doucement format and send them with images