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## **Title: Linux Command List Assessment**

### **Instructions:-**

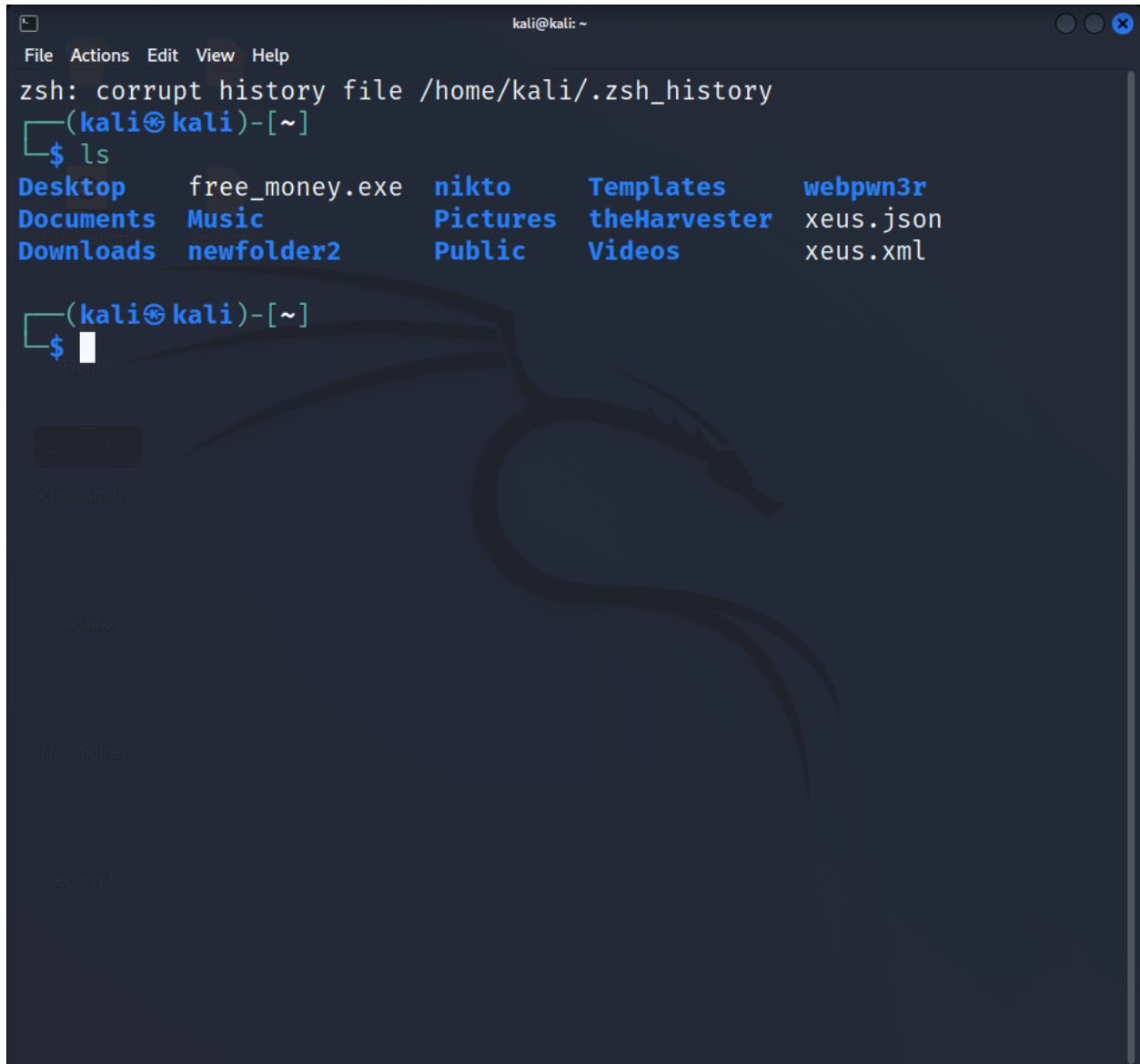
The following assessment aims to test your understanding and practical knowledge of various Linux commands. Perform the tasks given below using the appropriate commands. Write down the command(s) used to complete each task. You can use any Linux distribution or command-line interface of your choice.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

```
kali@kali: ~  
File Actions Edit View Help  
zsh: corrupt history file /home/kali/.zsh_history  
(kali@kali)-[~]  
$ ls  
Desktop      free_money.exe  nikto          Templates     webpwn3r  
Documents    Music           Pictures       theHarvester  xeus.json  
Downloads    newfolder2      Public         Videos        xeus.xml  
  
(kali@kali)-[~]  
$
```



cd: Change directory

```
kali@kali: ~/Desktop
File Actions Edit View Help
zsh: corrupt history file /home/kali/.zsh_history
(kali@kali)-[~]
$ ls
Desktop      free_money.exe  nikto      Templates  webpwn3r
Documents    Music           Pictures    theHarvester  xeus.json
Downloads    newfolder2      Public      Videos      xeus.xml

(kali@kali)-[~]
$ cd Desktop/

(kali@kali)-[~/Desktop]
$
```

pwd: Print working directory

```
kali@kali: ~/Desktop
File Actions Edit View Help
zsh: corrupt history file /home/kali/.zsh_history
(kali@kali)-[~]
$ ls
Desktop      free_money.exe  nikto      Templates  webpwn3r
Documents    Music           Pictures    theHarvester  xeus.json
Downloads    newfolder2      Public     Videos     xeus.xml

(kali@kali)-[~]
$ cd Desktop/

(kali@kali)-[~/Desktop]
$ pwd
/home/kali/Desktop

(kali@kali)-[~/Desktop]
$ █

na-pro
NewFolder
encrypt
```

mkdir: Make directory

```
kali@kali: ~/Desktop
File Actions Edit View Help

(kali@kali)-[~/Desktop]
$ mkdir newfolder4

(kali@kali)-[~/Desktop]
$ ls
encrypt          newfolder3      xeus.json
naspro           newfolder4      xeus.xml
'New Folder'     Screenshot_2022-02-05_11-05-05.png

(kali@kali)-[~/Desktop]
$
```

touch: Create an empty file

```
kali@kali: ~  
File Actions Edit View Help  
└─(kali@kali)-[~]  
└─$ ls  
Desktop Downloads Music nikto Public theHarvester webpwn3r xeus.xml  
Documents free_money.exe newfolder2 Pictures Templates Videos xeus.json  
└─(kali@kali)-[~]  
└─$ touch myfile  
└─(kali@kali)-[~]  
└─$ ls  
Desktop Downloads Music newfolder2 Pictures Templates Videos xeus.json  
Documents free_money.exe myfile nikto Public theHarvester webpwn3r xeus.xml  
└─(kali@kali)-[~]  
└─$
```

cp: Copy files and directories

```
kali@kali: ~/Desktop/newfolder3
File Actions Edit View Help

(kali@kali)-[~/Desktop]
$ ls
encrypt  naspro  newfolder3  Screenshot_2022-02-05_11-05-05.png  xeus.xml
myfile  'New Folder'  newfolder4  xeus.json

(kali@kali)-[~/Desktop]
$ cp myfile newfolder3

(kali@kali)-[~/Desktop]
$ cd newfolder3/

(kali@kali)-[~/Desktop/newfolder3]
$ ls
myfile

(kali@kali)-[~/Desktop/newfolder3]
$
```

mv: Move or rename files and directories

```
kali@kali: ~/Desktop
File Actions Edit View Help

(kali@kali)-[~/Desktop]
$ ls
encrypt  naspro  newfolder3  Screenshot_2022-02-05_11-05-05.png  xeus.xml
myfile  'New Folder'  newfolder4  xeus.json

(kali@kali)-[~/Desktop]
$ mv newfolder4 exampleMV

(kali@kali)-[~/Desktop]
$ ls
encrypt  myfile  'New Folder'  Screenshot_2022-02-05_11-05-05.png  xeus.xml
exampleMV  naspro  newfolder3  xeus.json

(kali@kali)-[~/Desktop]
$ mv exampleMV newfolder3

(kali@kali)-[~/Desktop]
$ ls
encrypt  myfile  naspro  'New Folder'  newfolder3  Screenshot_2022-02-05_11-05-05.png  xeus.json  xeus.xml

(kali@kali)-[~/Desktop]
$
```

rm: Remove files and directories



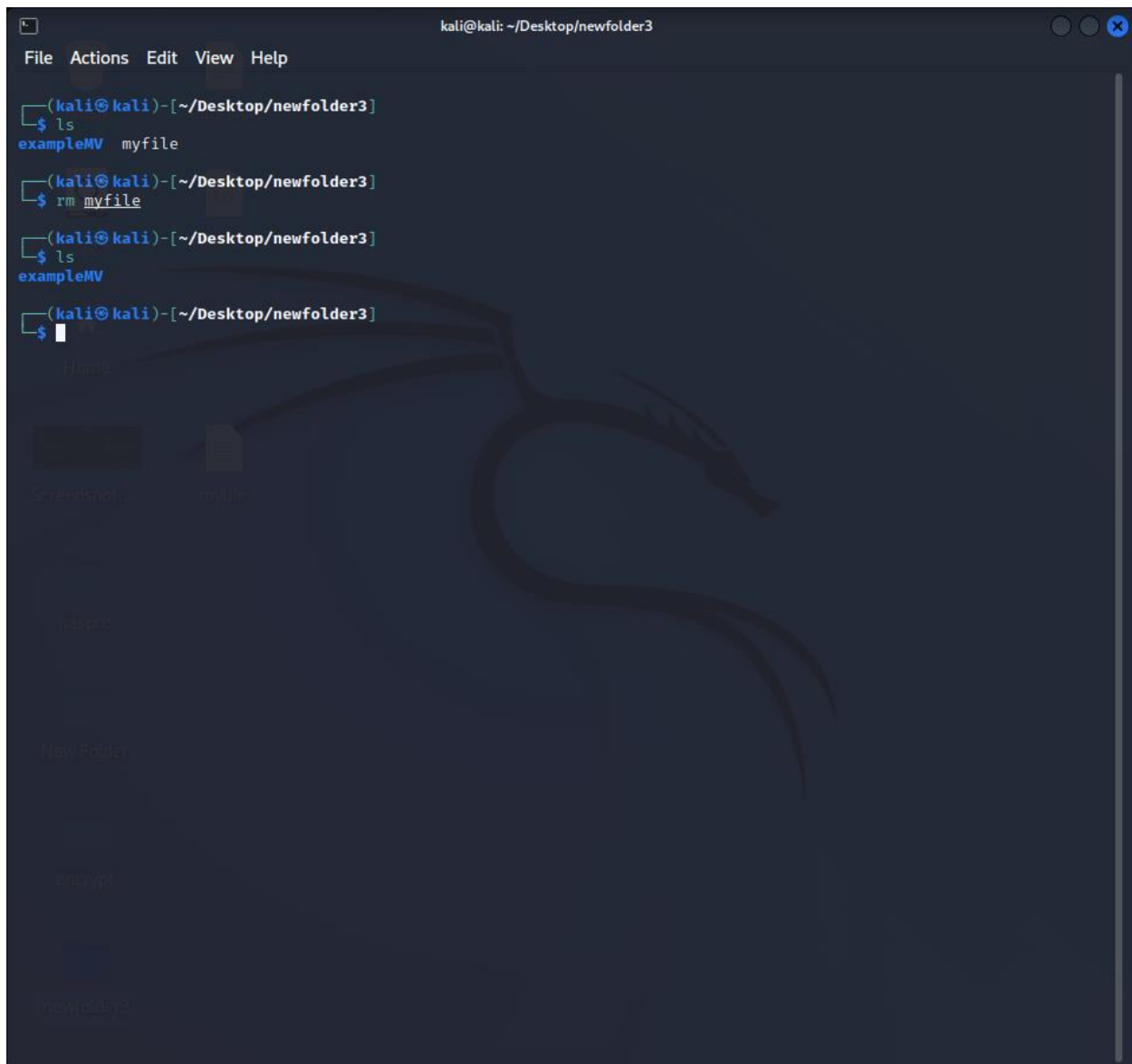
```
kali@kali: ~/Desktop/newfolder3
File Actions Edit View Help

(kali@kali)-[~/Desktop/newfolder3]
$ ls
exampleMV myfile

(kali@kali)-[~/Desktop/newfolder3]
$ rm myfile

(kali@kali)-[~/Desktop/newfolder3]
$ ls
exampleMV

(kali@kali)-[~/Desktop/newfolder3]
$
```



find: Search for files and directories

```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ find -name myfile  
./myfile  
./Desktop/myfile  
./newfolder2/myfile  
  
(kali@kali)-[~]  
$
```

## File Viewing and Editing:

cat: Concatenate and display file content

```
kali@kali: ~/Desktop
File Actions Edit View Help

(kali@kali)-[~/Desktop]
$ ls
encrypt      myfile2.txt  newfolder3  xeus.xml
myfile       naspro       Screenshot_2022-02-05_11-05-05.png
myfile1.txt  'New Folder' xeus.json

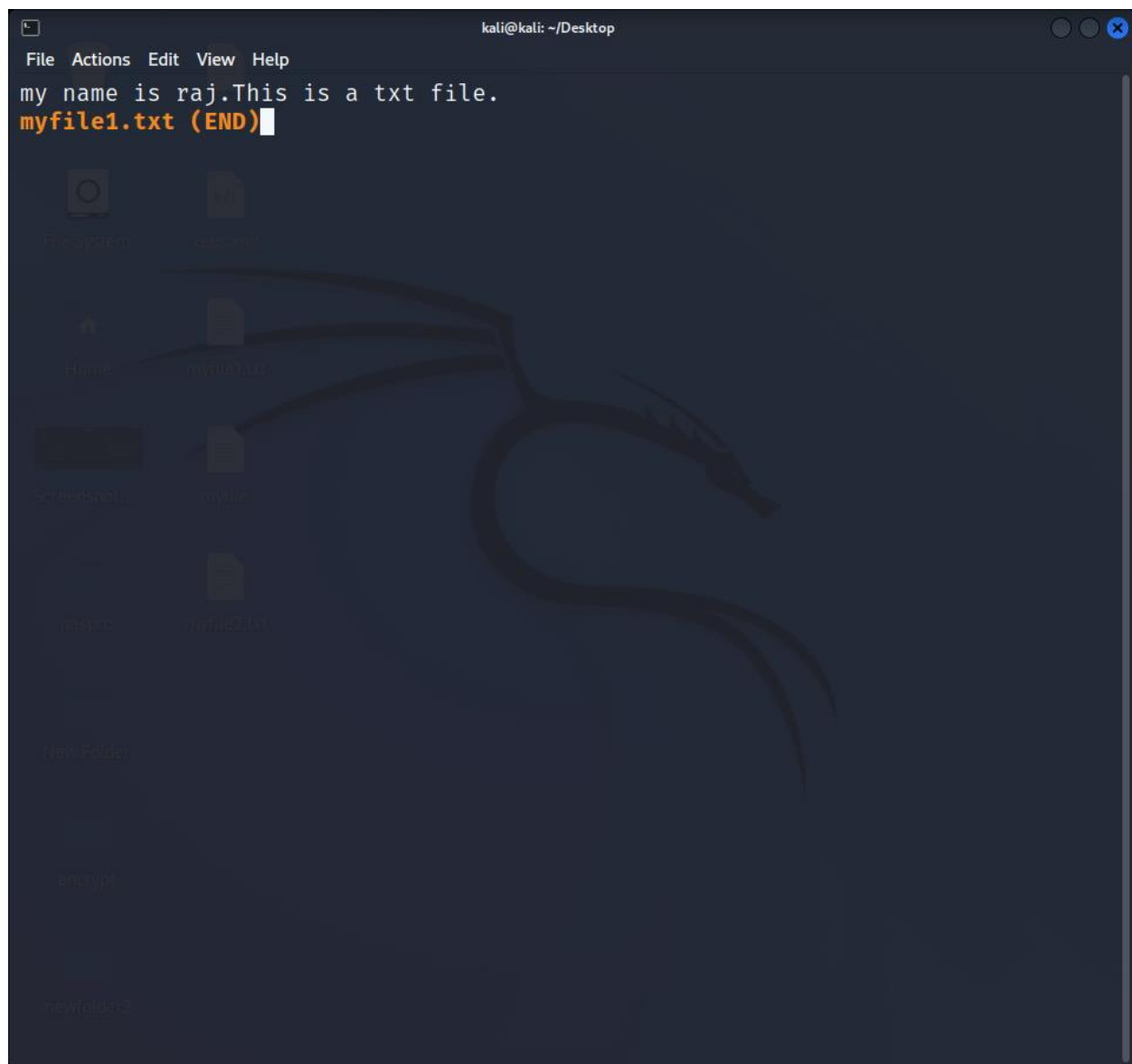
(kali@kali)-[~/Desktop]
$ cat myfile1.txt
my name is raj.This is a txt file.

(kali@kali)-[~/Desktop]
$ cat myfile2.txt
This is txt file2

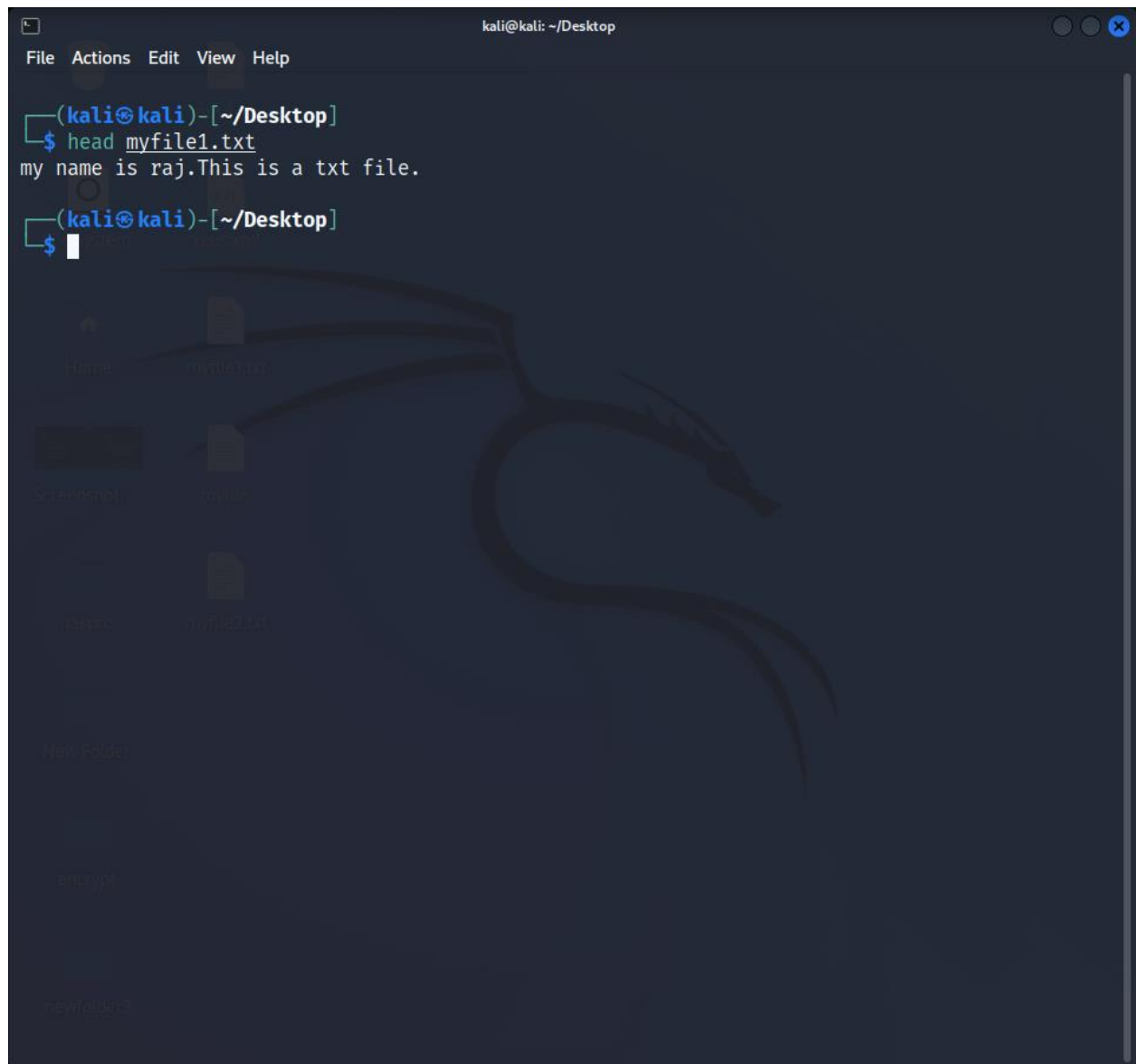
(kali@kali)-[~/Desktop]
$ cat myfile2.txt myfile1.txt
This is txt file2
my name is raj.This is a txt file.

(kali@kali)-[~/Desktop]
$
```

less: View file content with pagination



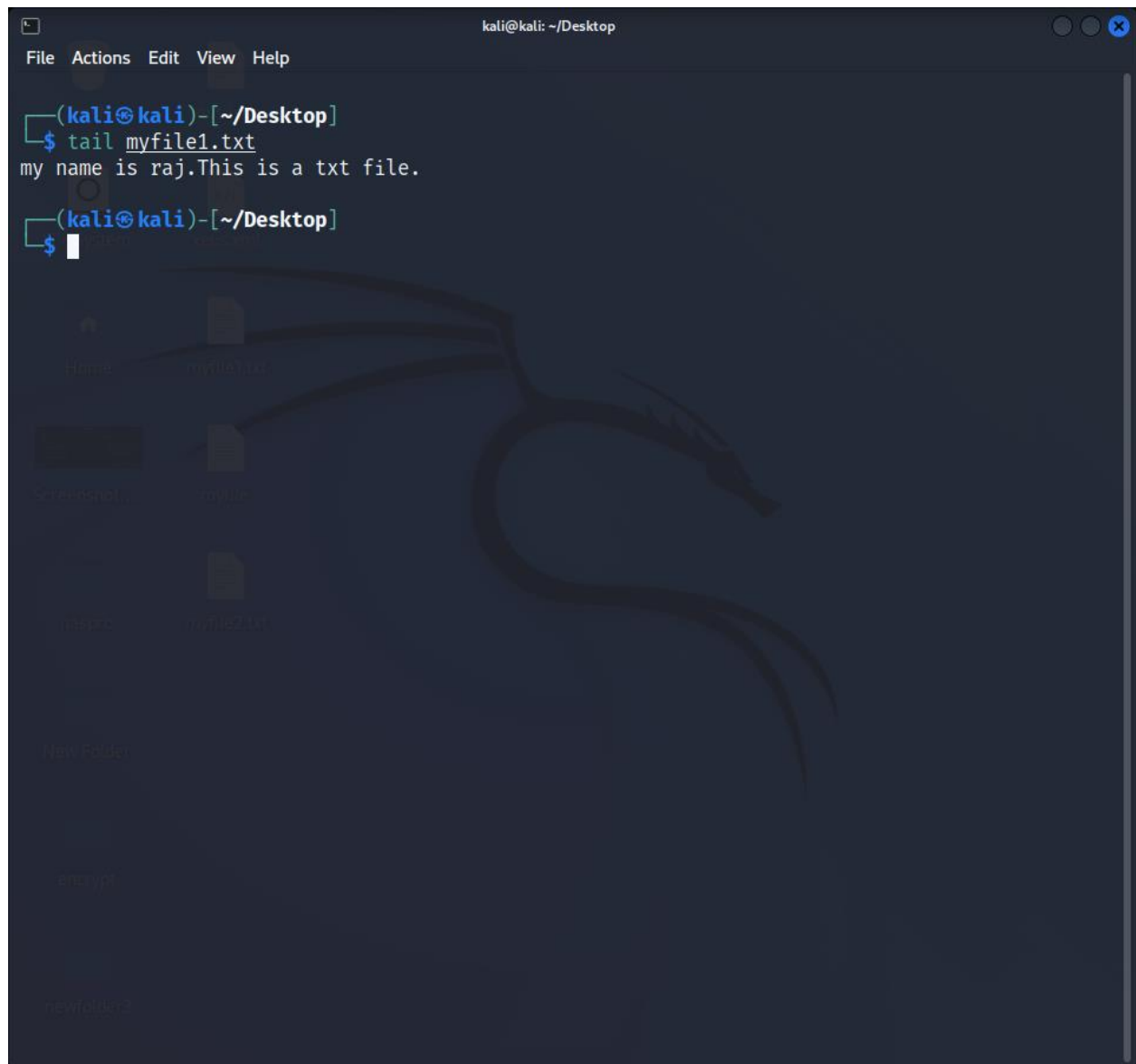
head: Display the beginning of a file

A terminal window titled 'kali@kali: ~/Desktop' with a menu bar (File, Actions, Edit, View, Help). The prompt is '(kali@kali)-[~/Desktop]'. The user enters '\$ head myfile1.txt' and the output is 'my name is raj.This is a txt file.'. The prompt is then '\$' with a cursor. In the background, a desktop environment is visible with a dragon wallpaper and icons for Home, Desktop, Screenshots, Music, Pictures, and Videos.

```
(kali@kali)-[~/Desktop]
$ head myfile1.txt
my name is raj.This is a txt file.

(kali@kali)-[~/Desktop]
$
```

tail: Display the end of a file



A terminal window titled "kali@kali: ~/Desktop" with a menu bar containing "File", "Actions", "Edit", "View", and "Help". The terminal shows the following commands and output:

```
(kali@kali)-[~/Desktop]
$ tail myfile1.txt
my name is raj.This is a txt file.

(kali@kali)-[~/Desktop]
$
```

The background of the terminal window features a faint, stylized dragon logo, which is the Kali Linux logo.

nano: Text editor for creating and editing files

```
kali@kali: ~  
File Actions Edit View Help  
GNU nano 6.4 myfile1.txt  
my full name is raj sharma  
  
[ Read 2 lines ]  
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location  
^X Exit      ^R Read File  ^\ Replace    ^U Paste       ^J Justify    ^/ Go To Line
```

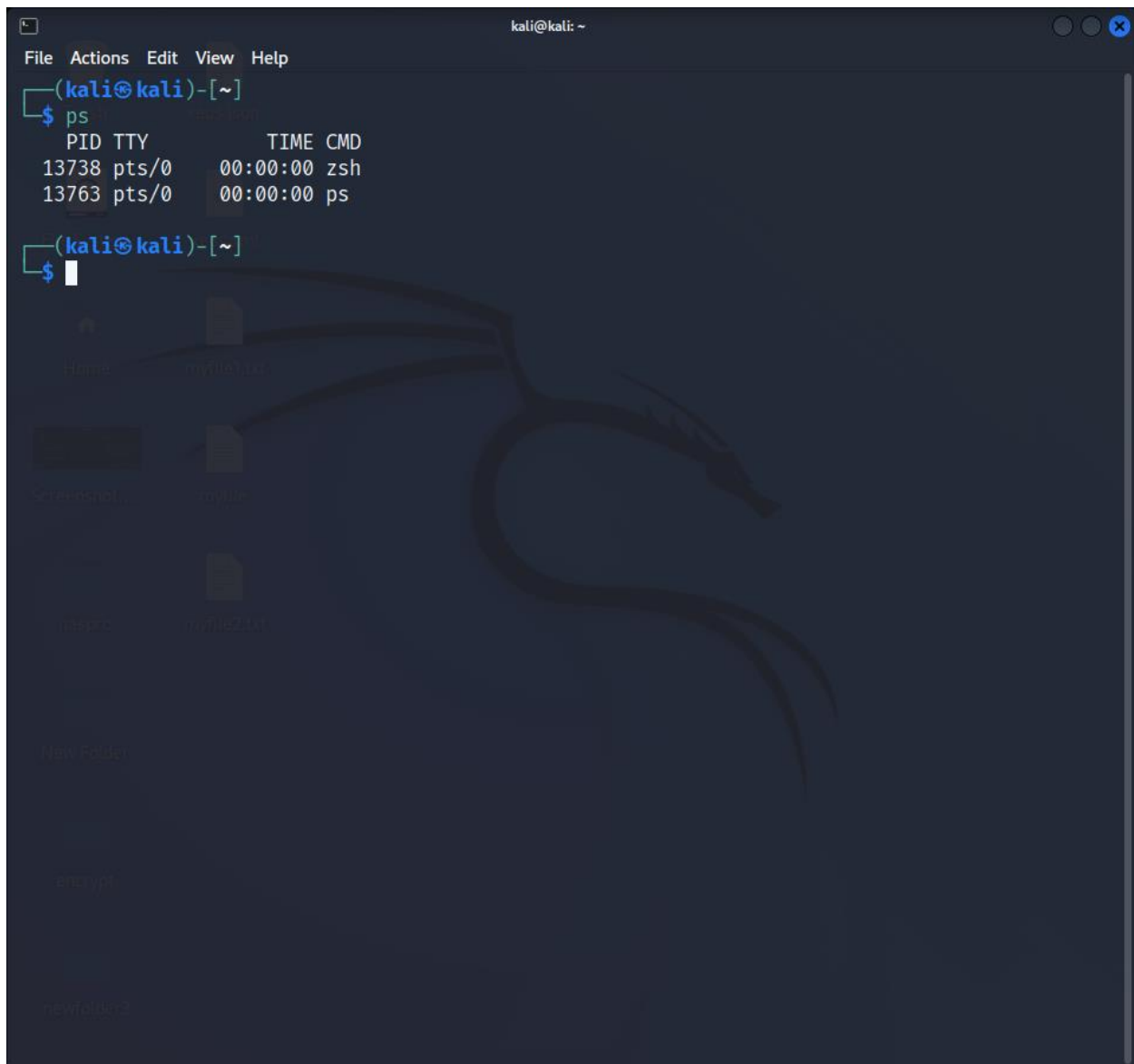
```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ nano myfile1.txt  
(kali@kali)-[~]  
$ cat myfile1.txt  
my full name is raj sharma  
(kali@kali)-[~]  
$
```

## Process Management:

ps: List running processes



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ ps  
  PID TTY          TIME CMD  
 13738 pts/0    00:00:00 zsh  
 13763 pts/0    00:00:00 ps  
  
(kali@kali)-[~]  
$
```



top: Display real-time system information and processes

```
kali@kali: ~  
File Actions Edit View Help  
top - 02:35:38 up 49 min, 1 user, load average: 0.03, 0.09, 0.13  
Tasks: 152 total, 1 running, 151 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 4.1 us, 6.3 sy, 0.0 ni, 82.3 id, 5.8 wa, 0.0 hi, 1.5 si, 0.0 st  
MiB Mem : 1981.3 total, 894.9 free, 619.4 used, 466.9 buff/cache  
MiB Swap: 975.0 total, 975.0 free, 0.0 used. 1207.0 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
587	root	20	0	401504	111568	61752	S	10.3	5.5	1:05.37	Xorg
13735	kali	20	0	413924	96640	77188	S	3.3	4.8	0:00.48	qterminal
52	root	0	-20	0	0	0	I	2.3	0.0	0:01.62	kworker/1:1H-events_+
856	kali	20	0	931152	106292	76412	S	2.3	5.2	0:25.44	xfwm4
996	kali	20	0	559276	51640	37852	S	2.3	2.5	0:15.45	nm-applet
906	kali	20	0	340620	26928	17668	S	1.3	1.3	0:13.10	panel-14-systra
905	kali	20	0	352896	37604	21808	S	1.0	1.9	0:21.80	panel-13-cpugra
803	kali	20	0	152916	2676	2184	S	0.7	0.1	0:13.33	VBoxClient
844	kali	20	0	164976	10188	7284	S	0.7	0.5	0:00.23	at-spi2-registr
881	kali	20	0	246236	45064	19416	S	0.7	2.2	0:00.80	xfsettingsd
9	root	0	-20	0	0	0	I	0.3	0.0	0:01.23	kworker/0:1H-kblockd
21	root	20	0	0	0	0	S	0.3	0.0	0:00.31	ksoftirqd/1
907	kali	20	0	349204	29888	20148	S	0.3	1.5	0:10.90	panel-15-genmon
13768	root	20	0	0	0	0	I	0.3	0.0	0:00.04	kworker/1:3-events
<b>13828</b>	<b>kali</b>	<b>20</b>	<b>0</b>	<b>10248</b>	<b>3680</b>	<b>3132</b>	<b>R</b>	<b>0.3</b>	<b>0.2</b>	<b>0:00.03</b>	<b>top</b>
1	root	20	0	167616	12104	9004	S	0.0	0.6	0:01.54	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.01	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
7	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_+
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
11	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_kthread
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthre+
13	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthr+
14	root	20	0	0	0	0	S	0.0	0.0	0:00.13	ksoftirqd/0
15	root	20	0	0	0	0	I	0.0	0.0	0:02.48	rcu_preempt
16	root	rt	0	0	0	0	S	0.0	0.0	0:00.09	migration/0
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1

## System Information:

uname: Print system information

df: Display disk space usage

free: Display memory usage

uptime: Show system uptime

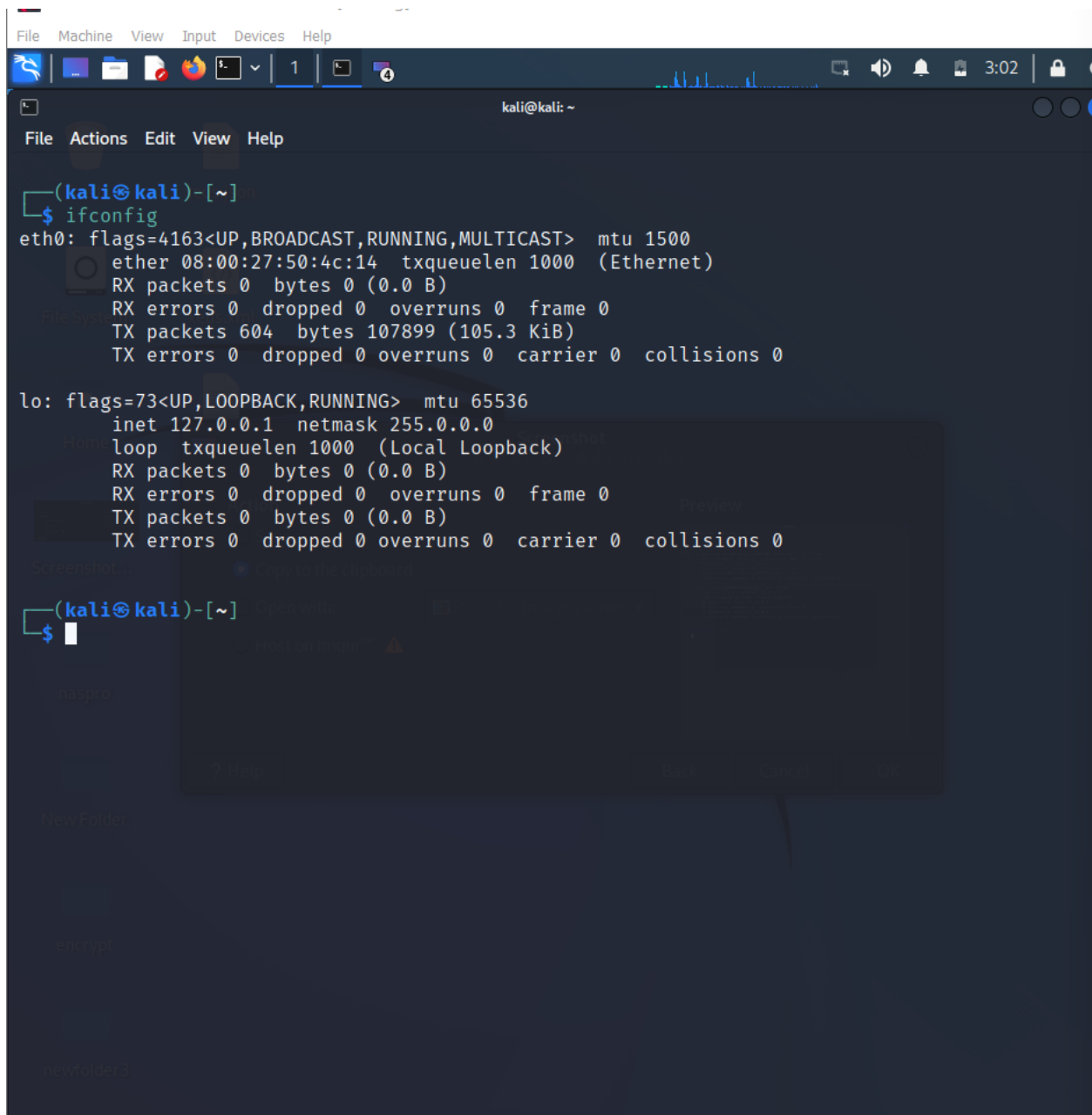
who: Display logged-in users

w: Display logged-in users and their activities

```
kali@kali: ~  
File Actions Edit View Help  
  
kali@kali:~$ uname  
Linux  
  
kali@kali:~$ df  
Filesystem      1K-blocks    Used Available Use% Mounted on  
udev            978228      0    978228   0% /dev  
tmpfs           202884      932    201952   1% /run  
/dev/sda1       81000912 16626608 60213692 22% /  
tmpfs           1014404      0    1014404   0% /dev/shm  
tmpfs            5120        0      5120   0% /run/lock  
tmpfs           202880      80    202800   1% /run/user/1000  
  
kali@kali:~$ free  
              total        used        free      shared  buff/cache   available  
Mem:           2028812      649652      898504       11240       480656    1220536  
Swap:           998396          0      998396  
  
kali@kali:~$ uptime  
03:01:18 up 1:15, 1 user, load average: 0.02, 0.02, 0.05  
  
kali@kali:~$ who  
kali    tty7      2023-06-06 01:49 (:0)  
  
kali@kali:~$ w  
03:01:24 up 1:15, 1 user, load average: 0.01, 0.02, 0.05  
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU   WHAT  
kali      tty7      :0            01:49    1:14m  1:27   0.46s  xfce4-session  
  
kali@kali:~$
```

## Networking:

ifconfig: Configure network interfaces



```
(kali㉿kali)-[~]  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    ether 08:00:27:50:4c:14 txqueuelen 1000 (Ethernet)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 604 bytes 107899 (105.3 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 0 bytes 0 (0.0 B)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 0 bytes 0 (0.0 B)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
(kali㉿kali)-[~]  
$
```

ping: Send ICMP echo requests to a network host

(kali㉿kali)-[~]

\$ ping 20.207.73.82

PING 20.207.73.82 (20.207.73.82) 56(84) bytes of data.

64 bytes from 20.207.73.82: icmp\_seq=1 ttl=111 time=33.5 ms  
64 bytes from 20.207.73.82: icmp\_seq=2 ttl=111 time=34.0 ms  
64 bytes from 20.207.73.82: icmp\_seq=3 ttl=111 time=37.8 ms  
64 bytes from 20.207.73.82: icmp\_seq=4 ttl=111 time=34.9 ms  
64 bytes from 20.207.73.82: icmp\_seq=5 ttl=111 time=34.6 ms  
64 bytes from 20.207.73.82: icmp\_seq=6 ttl=111 time=34.3 ms  
64 bytes from 20.207.73.82: icmp\_seq=7 ttl=111 time=32.8 ms  
64 bytes from 20.207.73.82: icmp\_seq=8 ttl=111 time=33.5 ms  
64 bytes from 20.207.73.82: icmp\_seq=9 ttl=111 time=35.0 ms  
64 bytes from 20.207.73.82: icmp\_seq=10 ttl=111 time=37.8 ms  
64 bytes from 20.207.73.82: icmp\_seq=11 ttl=111 time=34.7 ms  
64 bytes from 20.207.73.82: icmp\_seq=12 ttl=111 time=34.0 ms  
64 bytes from 20.207.73.82: icmp\_seq=13 ttl=111 time=34.6 ms  
64 bytes from 20.207.73.82: icmp\_seq=14 ttl=111 time=33.1 ms  
64 bytes from 20.207.73.82: icmp\_seq=15 ttl=111 time=33.1 ms  
64 bytes from 20.207.73.82: icmp\_seq=16 ttl=111 time=33.5 ms  
64 bytes from 20.207.73.82: icmp\_seq=17 ttl=111 time=39.0 ms  
64 bytes from 20.207.73.82: icmp\_seq=18 ttl=111 time=34.8 ms  
64 bytes from 20.207.73.82: icmp\_seq=19 ttl=111 time=36.0 ms  
64 bytes from 20.207.73.82: icmp\_seq=20 ttl=111 time=34.3 ms  
64 bytes from 20.207.73.82: icmp\_seq=21 ttl=111 time=32.6 ms  
64 bytes from 20.207.73.82: icmp\_seq=22 ttl=111 time=33.6 ms  
64 bytes from 20.207.73.82: icmp\_seq=23 ttl=111 time=33.1 ms  
64 bytes from 20.207.73.82: icmp\_seq=24 ttl=111 time=38.0 ms  
64 bytes from 20.207.73.82: icmp\_seq=25 ttl=111 time=32.5 ms

□

encrypt

newfolder3

ssh: Securely connect to a remote system

```
jayesh@10.143.90.2's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-38-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Introducing Expanded Security Maintenance for Applications.
   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.

   https://ubuntu.com/pro

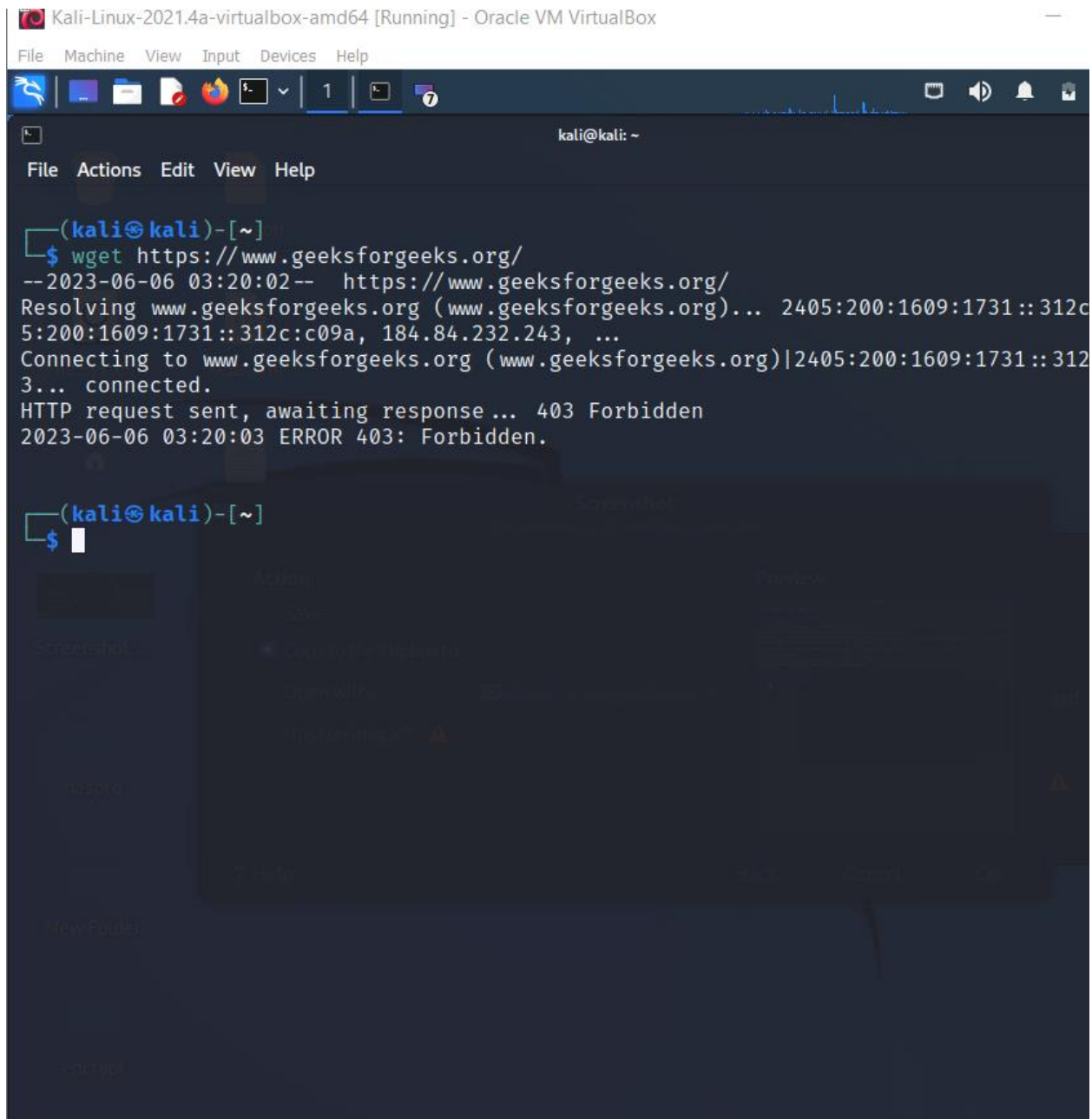
Expanded Security Maintenance for Applications is not enabled.

9 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

7 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

*** System restart required ***
```

wget: Download files from the web



The image shows a screenshot of a Kali Linux terminal window. The window title is "Kali-Linux-2021.4a-virtualbox-amd64 [Running] - Oracle VM VirtualBox". The terminal shows the following commands and output:

```
(kali@kali)-[~]  
$ wget https://www.geeksforgeeks.org/  
--2023-06-06 03:20:02-- https://www.geeksforgeeks.org/  
Resolving www.geeksforgeeks.org (www.geeksforgeeks.org)... 2405:200:1609:1731::312c  
5:200:1609:1731::312c:c09a, 184.84.232.243, ...  
Connecting to www.geeksforgeeks.org (www.geeksforgeeks.org)|2405:200:1609:1731::312  
3... connected.  
HTTP request sent, awaiting response... 403 Forbidden  
2023-06-06 03:20:03 ERROR 403: Forbidden.  
  
(kali@kali)-[~]  
$
```

A context menu is visible over the terminal, with options: Copy, Copy All, Paste, Paste & Execute, Print, and Close. The "Copy" option is highlighted.

## System Administration:

sudo: Execute commands with superuser privileges

apt-get: Package management for Debian-based distributions

```
Kali-Linux-2021.4a-virtualbox-amd64 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1
kali@kali: ~
File Actions Edit View Help

(kali@kali)-[~]
$ sudo apt-get update
[sudo] password for kali:
Get:1 https://deb.i2p2.de unstable InRelease [15.6 kB]
Err:1 https://deb.i2p2.de unstable InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY 67ECE5605BCF1346
Get:2 http://kali.download/kali kali-rolling InRelease [41.2 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Packages [19.2 MB]
Get:4 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [44.6 MB]
Get:5 http://kali.download/kali kali-rolling/non-free amd64 Packages [217 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [928 kB]
Get:7 http://kali.download/kali kali-rolling/contrib amd64 Packages [115 kB]
Get:8 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [172 kB]
Reading package lists... Done
W: GPG error: https://deb.i2p2.de unstable InRelease: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY 67ECE5605BCF1346
E: The repository 'https://deb.i2p2.de unstable InRelease' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.

(kali@kali)-[~]
$ s$
```

systemctl: Manage system services



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)~  
$ systemctl  
UNIT                                LOAD    ACTIVE SUB    >  
proc-sys-fs-binfmt_misc.automount  loaded active running >  
sys-devices-pci0000:00-0000:00:01.1-ata2-host1-target1:0:0-1:0:0:0-block-sr0.device loaded active plugged >  
sys-devices-pci0000:00-0000:00:03.0-net-eth0.device loaded active plugged >  
sys-devices-pci0000:00-0000:00:05.0-sound-card0-controlC0.device loaded active plugged >  
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-sda-sda1.device loaded active plugged >  
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-sda-sda2.device loaded active plugged >  
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-sda-sda5.device loaded active plugged >  
sys-devices-pci0000:00-0000:00:0d.0-ata1-host0-target0:0:0-0:0:0:0-block-sda.device loaded active plugged >  
sys-devices-platform-serial8250-tty-ttyS0.device loaded active plugged >  
sys-devices-platform-serial8250-tty-ttyS1.device loaded active plugged >  
sys-devices-platform-serial8250-tty-ttyS2.device loaded active plugged >  
sys-devices-platform-serial8250-tty-ttyS3.device loaded active plugged >  
sys-devices-virtual-misc-rfkill.device loaded active plugged >  
sys-module-configfs.device loaded active plugged >  
sys-module-fuse.device loaded active plugged >  
sys-subsystem-net-devices-eth0.device loaded active plugged >  
-.mount loaded active mounted >  
dev-hugepages.mount loaded active mounted >  
dev-mqueue.mount loaded active mounted >  
proc-sys-fs-binfmt_misc.mount loaded active mounted >  
run-credentials-systemd\x2dsysusers.service.mount loaded active mounted >  
run-rpc_pipefs.mount loaded active mounted >  
run-user-1000-gvfs.mount loaded active mounted >  
run-user-1000.mount loaded active mounted >  
sys-fs-fuse-connections.mount loaded active mounted >  
sys-kernel-config.mount loaded active mounted >  
sys-kernel-debug.mount loaded active mounted >  
sys-kernel-tracing.mount loaded active mounted >  
systemd-ask-password-plymouth.path loaded active waiting >  
systemd-ask-password-wall.path loaded active waiting >  
init.scope loaded active running >  
session-2.scope loaded active running >  
binfmt-support.service loaded active exited >  
colord.service loaded active running >  
console-setup.service loaded active exited >  
cron.service loaded active running >  
dbus.service loaded active running >  
getty@tty1.service loaded active running >  
haveged.service loaded active running >  
ifupdown-pre.service loaded active exited >  
keyboard-setup.service loaded active exited >  
kmod-static-nodes.service loaded active exited >  
lightdm.service loaded active running >  
ModemManager.service loaded active running >  
networking.service loaded active exited >  
NetworkManager-wait-online.service loaded active exited >  
NetworkManager.service loaded active running >  
plymouth-quit-wait.service loaded active exited >
```

useradd: Add a new user

```
kali@kali: ~  
File Actions Edit View Help  
  
❏ (kali@kali)-[~]  
$ useradd  
Usage: useradd [options] LOGIN  
       useradd -D  
       useradd -D [options]  
  
Options:  
  --badnames           do not check for bad names  
  -b, --base-dir BASE_DIR  base directory for the home directory of the  
                           new account  
      --btrfs-subvolume-home  use BTRFS subvolume for home directory  
  -c, --comment COMMENT  GECOS field of the new account  
  -d, --home-dir HOME_DIR  home directory of the new account  
  -D, --defaults         print or change default useradd configuration  
  -e, --expiredate EXPIRE_DATE  expiration date of the new account  
  -f, --inactive INACTIVE  password inactivity period of the new account  
  -g, --gid GROUP         name or ID of the primary group of the new  
                           account  
  -G, --groups GROUPS     list of supplementary groups of the new  
                           account  
  -h, --help             display this help message and exit  
  -k, --skel SKEL_DIR     use this alternative skeleton directory  
  -K, --key KEY=VALUE     override /etc/login.defs defaults  
  -l, --no-log-init       do not add the user to the lastlog and  
                           faillog databases  
  -m, --create-home       create the user's home directory  
  -M, --no-create-home    do not create the user's home directory  
  -N, --no-user-group      do not create a group with the same name as  
                           the user  
  -o, --non-unique        allow to create users with duplicate  
                           (non-unique) UID  
  -p, --password PASSWORD  encrypted password of the new account  
  -r, --system            create a system account  
  -R, --root CHROOT_DIR   directory to chroot into  
  -P, --prefix PREFIX_DIR  prefix directory where are located the /etc/* files  
  -s, --shell SHELL        login shell of the new account  
  -u, --uid UID            user ID of the new account  
  -U, --user-group         create a group with the same name as the user  
  -Z, --selinux-user SEUSER  use a specific SEUSER for the SELinux user mapping  
  
❏ (kali@kali)-[~]  
$
```

passwd: Change user password

```
kali@kali: ~  
File Actions Edit View Help  
~  
$ passwd  
Changing password for kali.  
Current password:  
New password:  
Retype new password:  
passwd: password updated successfully  
~  
$
```

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