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20BEC1353

Title: Linux Command List Assessment

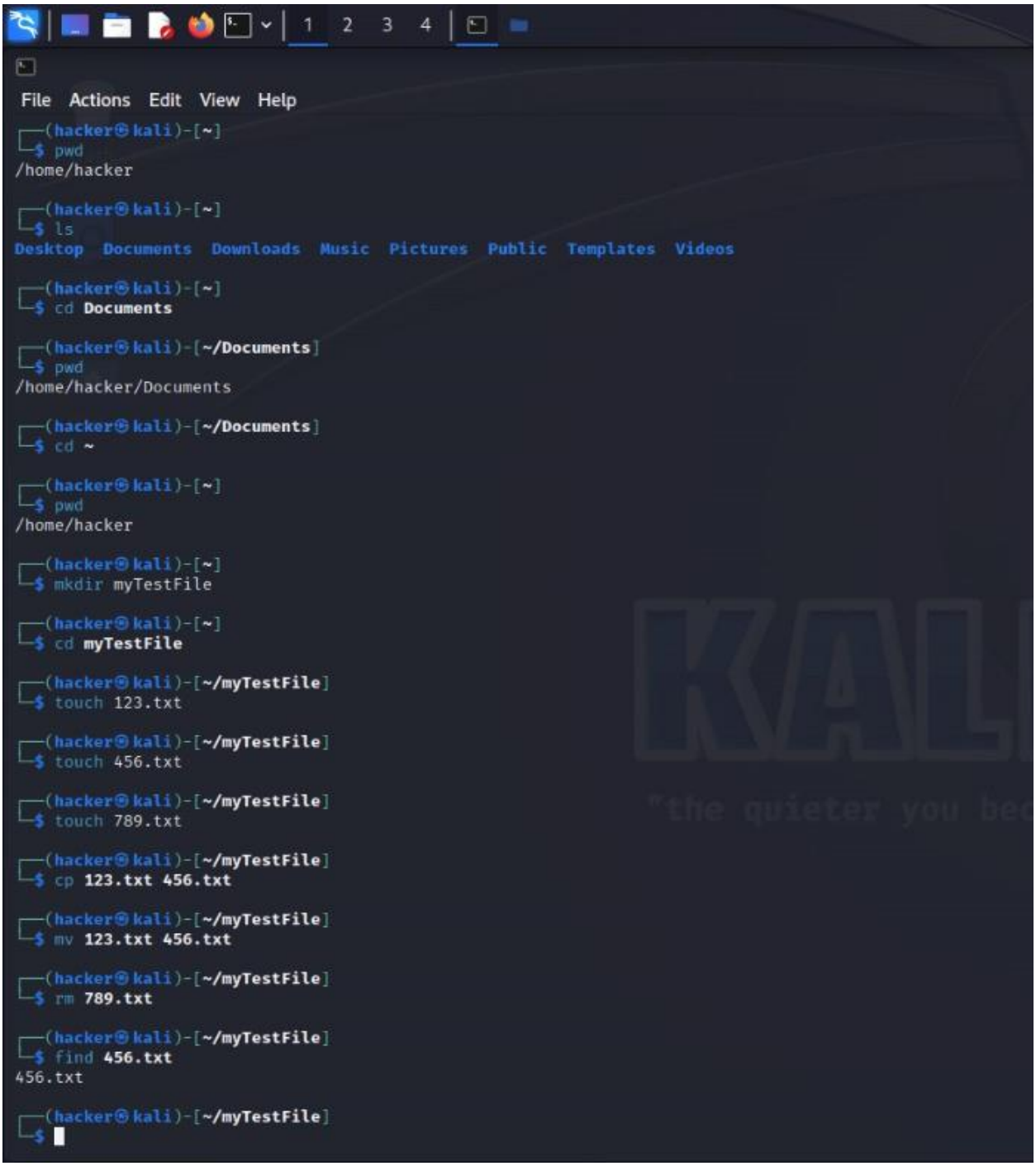
Instructions:-

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.

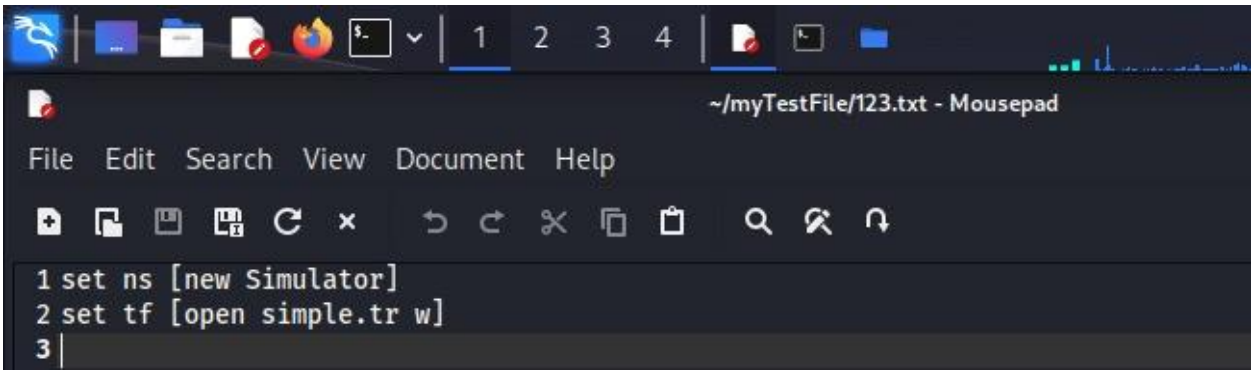
Note: It is recommended to perform this assessment on a Linux machine or virtual environment.

File and Directory Operations:

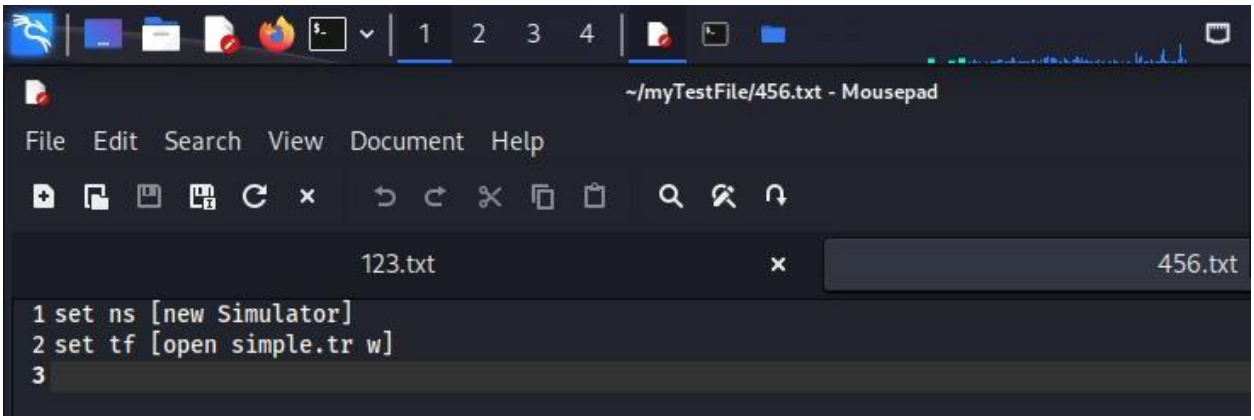
ls: List files and directories
cd: Change directory
pwd: Print working directory
mkdir: Make directory
touch: Create an empty file
cp: Copy files and directories
mv: Move or rename files and directories
rm: Remove files and directories
find: Search for files and directories


1 2 3 4
File Actions Edit View Help
(hacker㉿kali)-[~]
$ pwd
/home/hacker
(hacker㉿kali)-[~]
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
(hacker㉿kali)-[~]
$ cd Documents
(hacker㉿kali)-[~/Documents]
$ pwd
/home/hacker/Documents
(hacker㉿kali)-[~/Documents]
$ cd ~
(hacker㉿kali)-[~]
$ pwd
/home/hacker
(hacker㉿kali)-[~]
$ mkdir myTestFile
(hacker㉿kali)-[~]
$ cd myTestFile
(hacker㉿kali)-[~/myTestFile]
$ touch 123.txt
(hacker㉿kali)-[~/myTestFile]
$ touch 456.txt
(hacker㉿kali)-[~/myTestFile]
$ touch 789.txt
(hacker㉿kali)-[~/myTestFile]
$ cp 123.txt 456.txt
(hacker㉿kali)-[~/myTestFile]
$ mv 123.txt 456.txt
(hacker㉿kali)-[~/myTestFile]
$ rm 789.txt
(hacker㉿kali)-[~/myTestFile]
$ find 456.txt
456.txt
(hacker㉿kali)-[~/myTestFile]
$

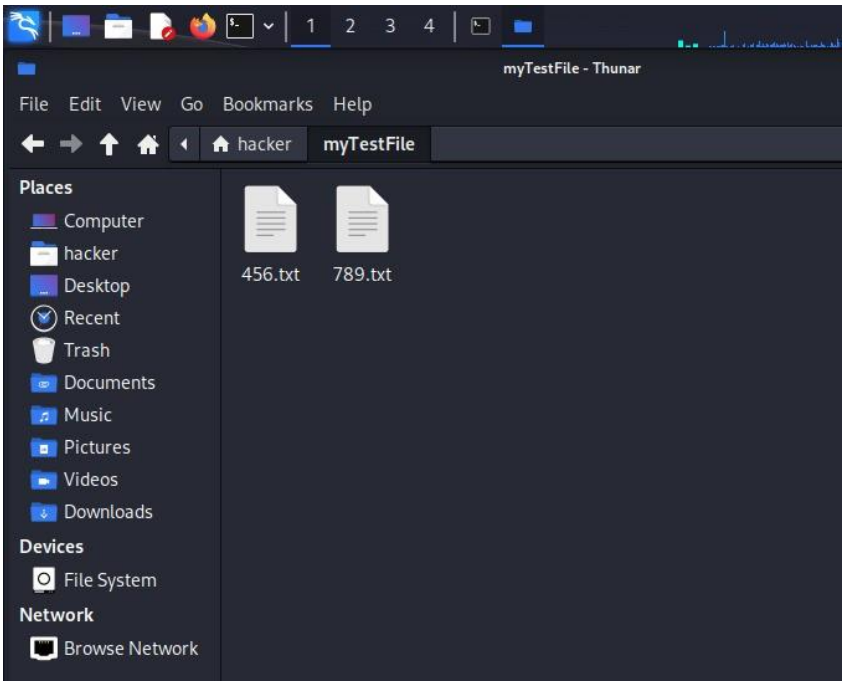
123.txt file



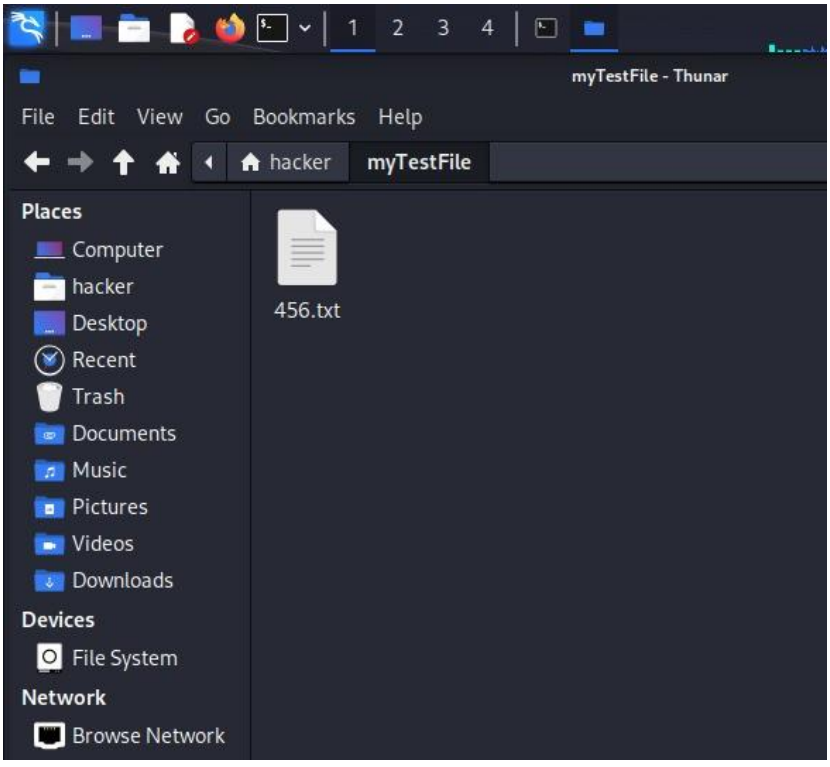
cp 123.txt file to 456.txt file



mv 123.txt file to 456.txt file

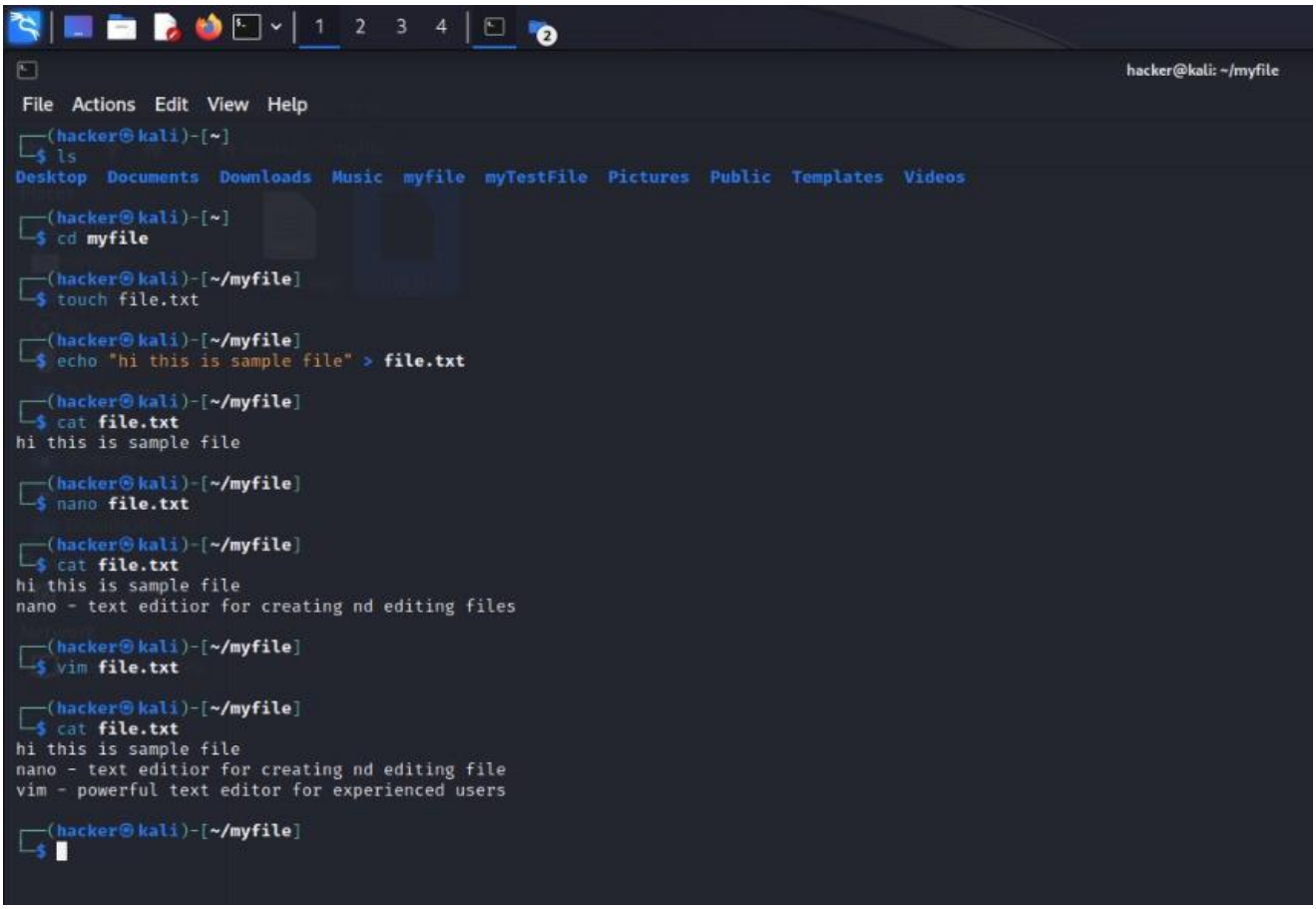


rm 789.txt file and find 456.txt file



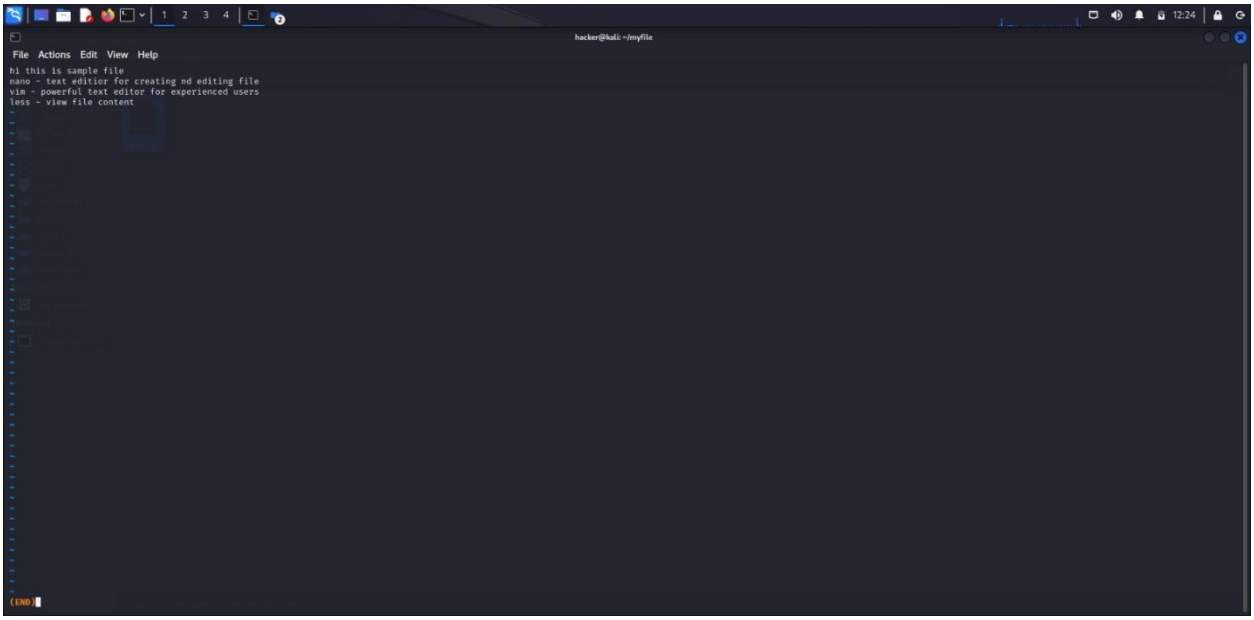
File Viewing and Editing:

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



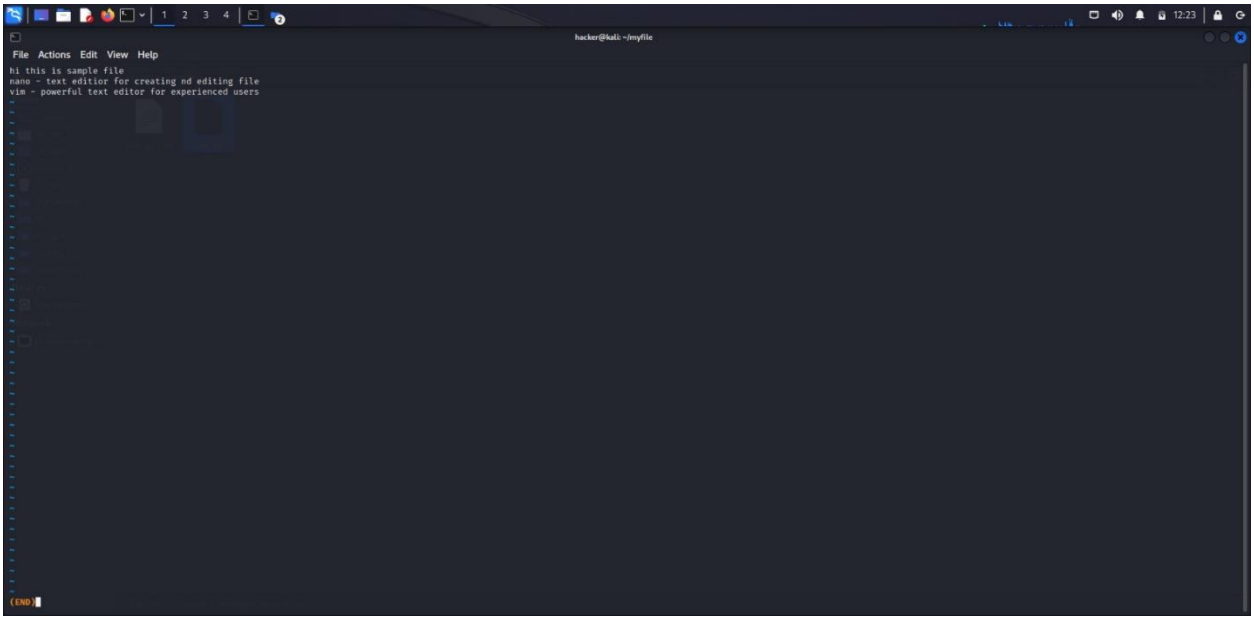
```
┌──(hacker㉿kali)-[~/myfile]
└─$ head file.txt
hi this is sample file
nano - text editior for creating nd editing file
vim - powerful text editor for experienced users
less - view file content

┌──(hacker㉿kali)-[~/myfile]
└─$ tail file.txt
hi this is sample file
nano - text editior for creating nd editing file
vim - powerful text editor for experienced users
less - view file content

┌──(hacker㉿kali)-[~/myfile]
└─$ less file.txt

┌──(hacker㉿kali)-[~/myfile]
└─$

┌──(hacker㉿kali)-[~/myfile]
└─$
```

less command window



nano command window

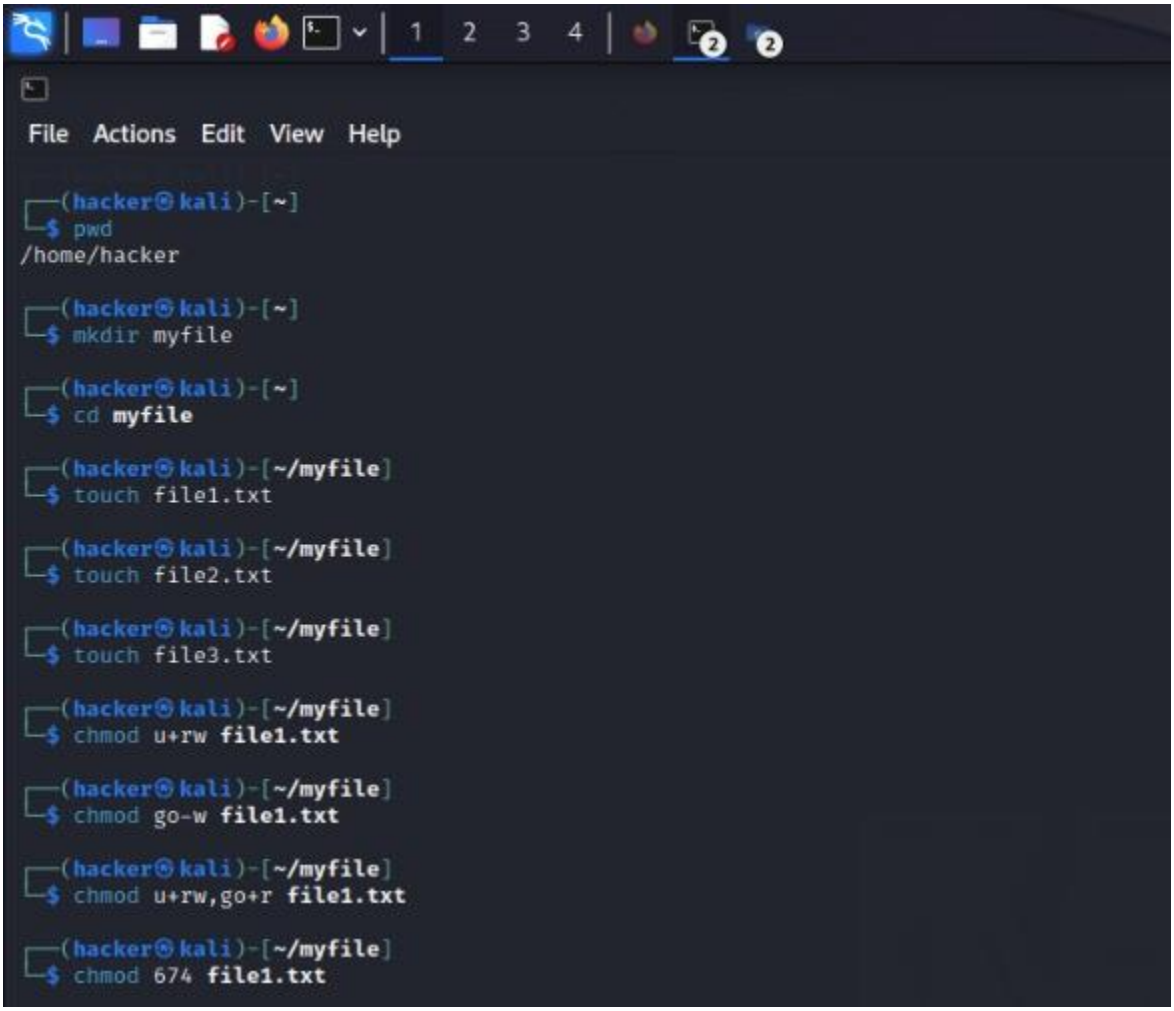
vim / vi command window



:wq to exit the command window for nano, vim/vi, less

File Permissions:

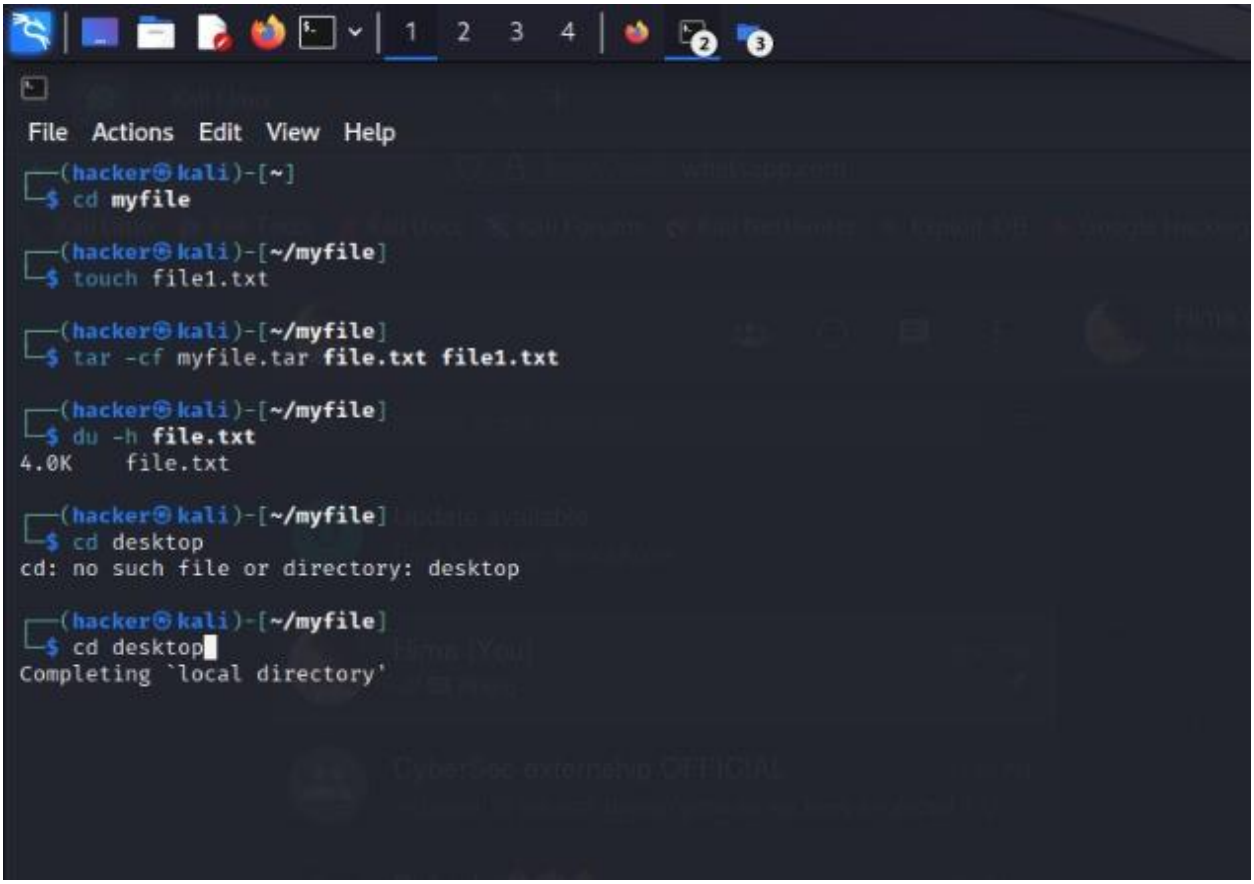
chmod: Change file permissions
chown: Change file owner
chgrp: Change file group

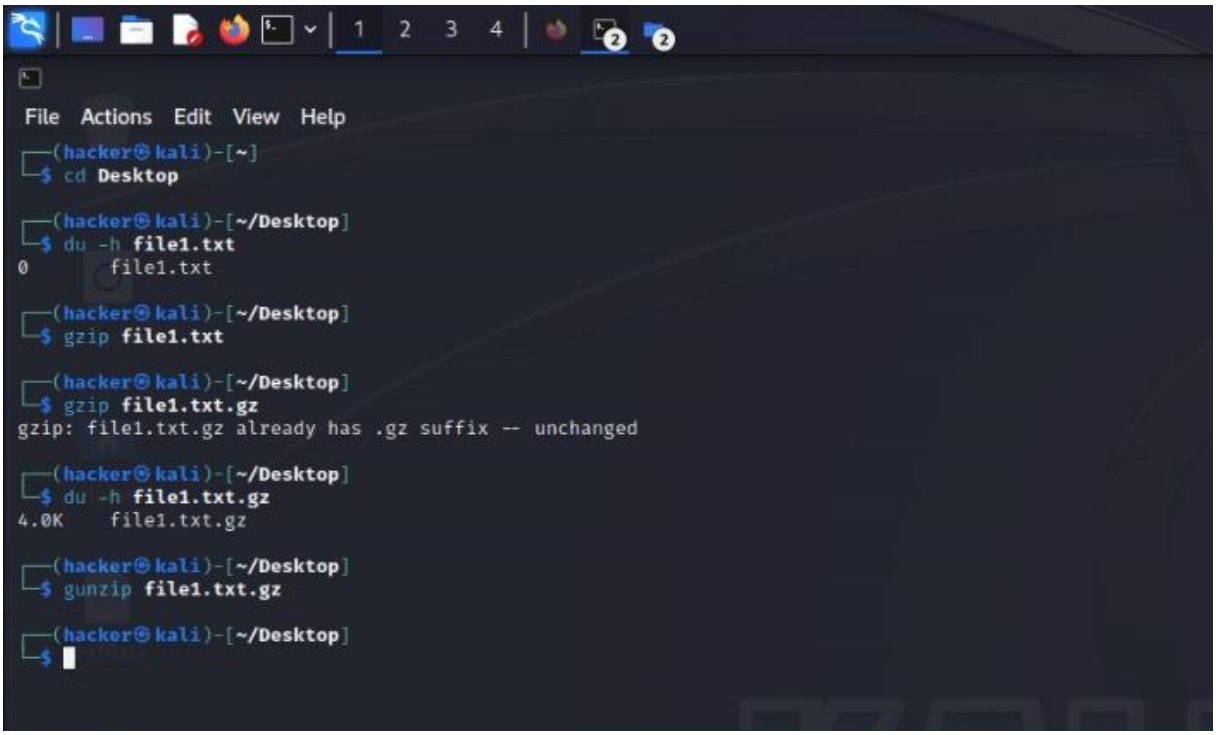


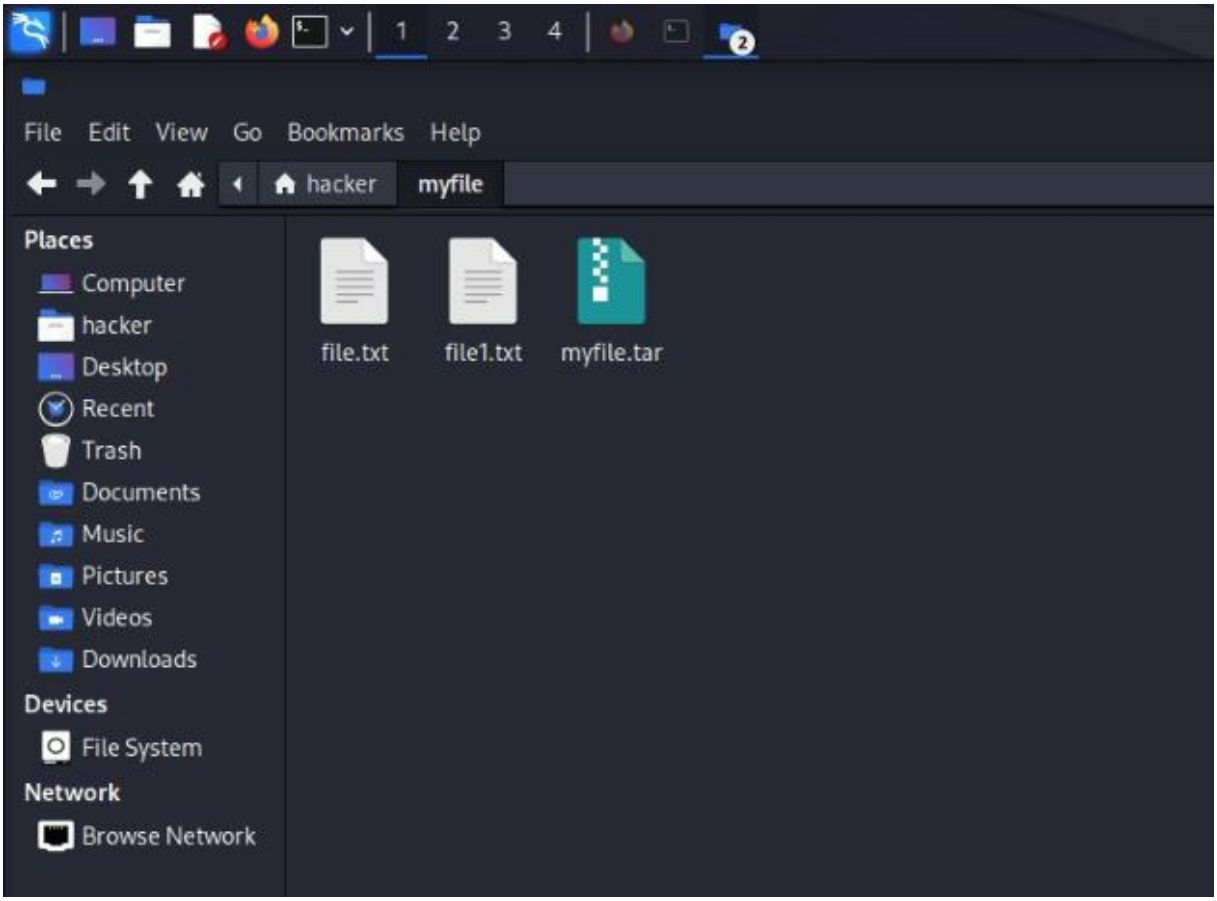
```
┌──(hacker㉿kali)-[~/myfile]
└─$ ls -l
total 0
-rw-rwxr-- 1 hacker hacker 0 May 21 22:53 file1.txt
-rw-r--r-- 1 hacker hacker 0 May 21 22:53 file2.txt
-rw-r--r-- 1 hacker hacker 0 May 21 22:53 file3.txt

┌──(hacker㉿kali)-[~/myfile]
└─$ chmod 777 file2.txt

┌──(hacker㉿kali)-[~/myfile]
└─$ chmod a+x file3.txt

┌──(hacker㉿kali)-[~/myfile]
└─$ chmod 755 file1.txt

┌──(hacker㉿kali)-[~/myfile]
└─$ ls -l
total 0
-rwxr-xr-x 1 hacker hacker 0 May 21 22:53 file1.txt
-rwxrwxrwx 1 hacker hacker 0 May 21 22:53 file2.txt
-rwxr-xr-x 1 hacker hacker 0 May 21 22:53 file3.txt
```

File Compression and Archiving:

tar: Archive files
gzip: Compress files
unzip: Extract files from a ZIP archive



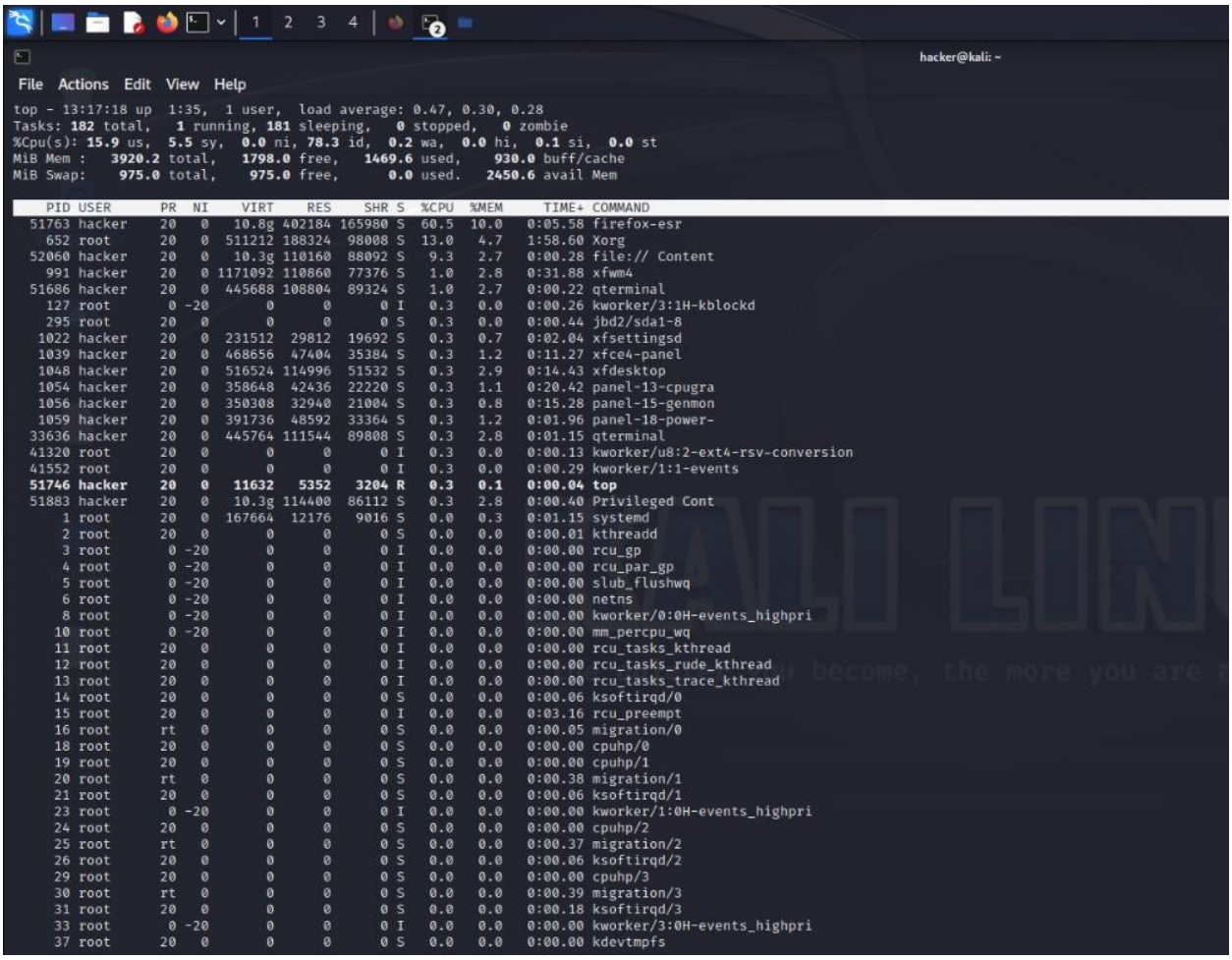

1 2 3 4
File Actions Edit View Help
(hacker㉿kali)-[~]
$ cd Desktop
(hacker㉿kali)-[~/Desktop]
$ du -h file1.txt
0 file1.txt
(hacker㉿kali)-[~/Desktop]
$ gzip file1.txt
(hacker㉿kali)-[~/Desktop]
$ gzip file1.txt.gz
gzip: file1.txt.gz already has .gz suffix -- unchanged
(hacker㉿kali)-[~/Desktop]
$ du -h file1.txt.gz
4.0K file1.txt.gz
(hacker㉿kali)-[~/Desktop]
$ gunzip file1.txt.gz
(hacker㉿kali)-[~/Desktop]
$

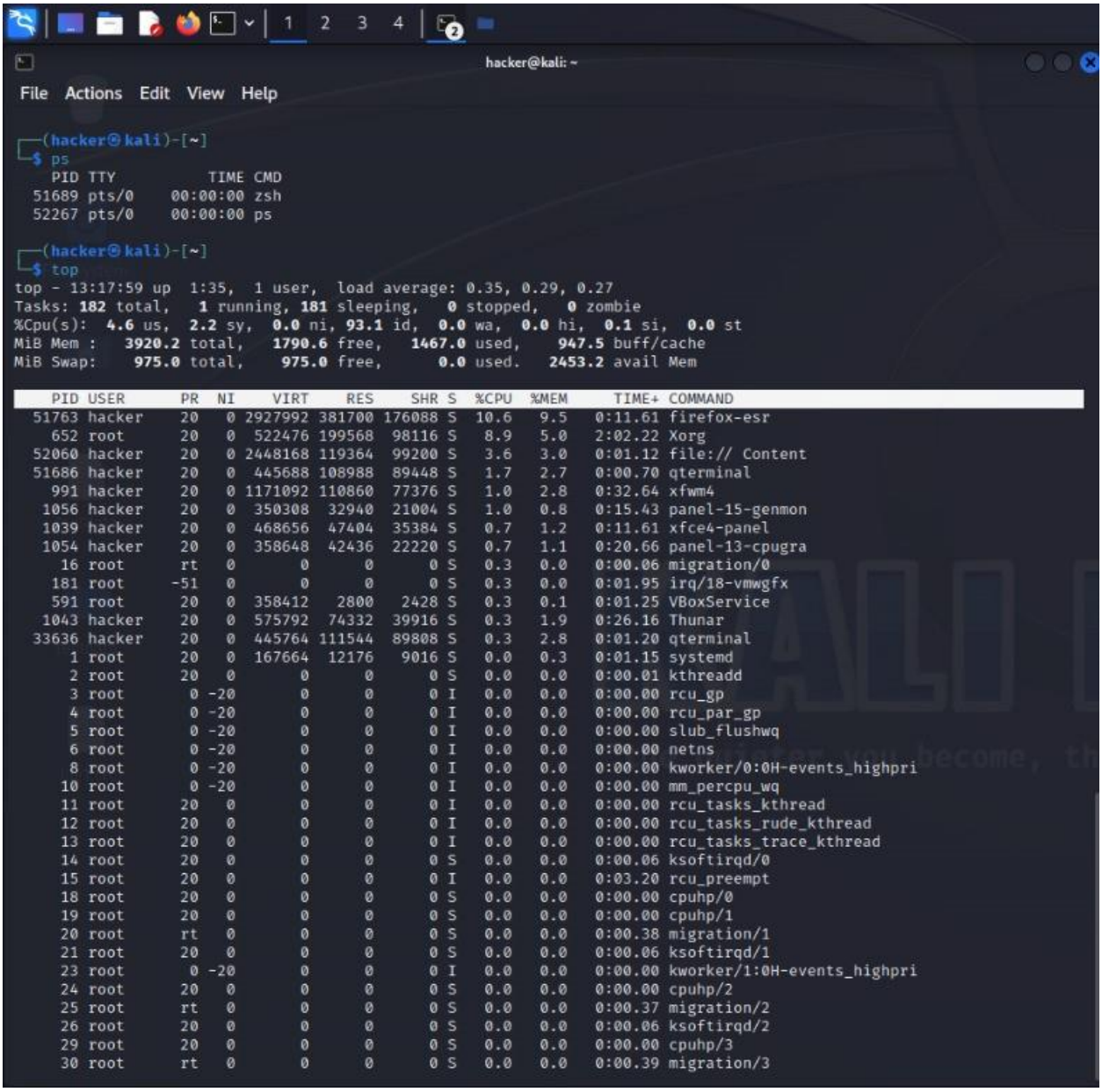

1 2 3 4
File Edit View Go Bookmarks Help
hacker
myfile
Places
Computer
hacker
Desktop
Recent
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
file.txt
file1.txt
myfile.tar

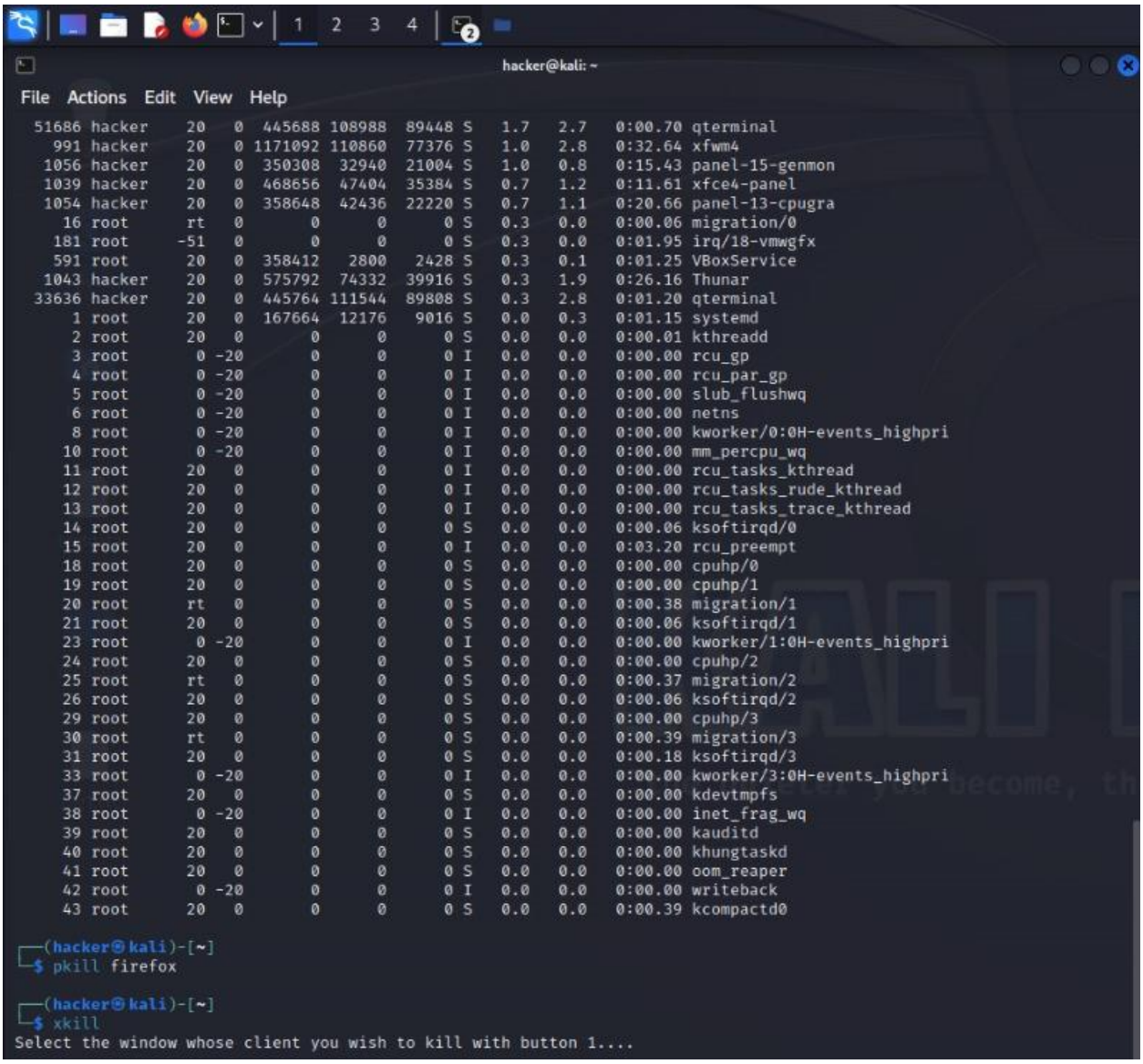
Process Management:

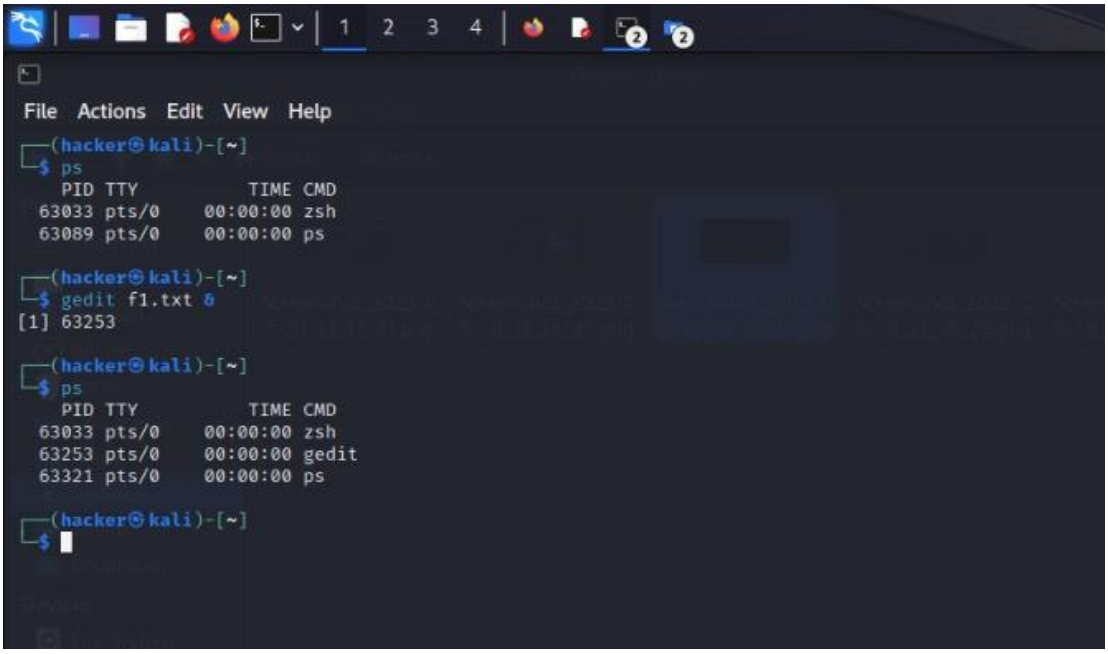
ps: List running processes
top: Display real-time system information and processes
kill: Terminate processes
bg: Run processes in the background
fg: Bring background processes to the foreground

top command

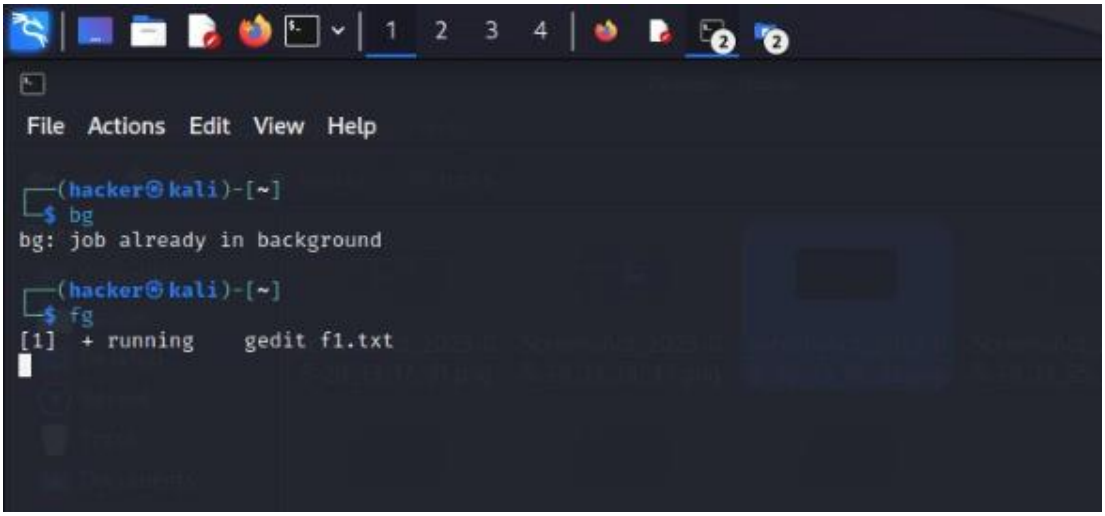



hacker@kali: ~
File Actions Edit View Help
(hacker㉿kali)-[~]
$ ps
PID TTY TIME CMD
51689 pts/0 00:00:00 zsh
52267 pts/0 00:00:00 ps
(hacker㉿kali)-[~]
$ top
top - 13:17:59 up 1:35, 1 user, load average: 0.35, 0.29, 0.27
Tasks: 182 total, 1 running, 181 sleeping, 0 stopped, 0 zombie
%Cpu(s): 4.6 us, 2.2 sy, 0.0 ni, 93.1 id, 0.0 wa, 0.0 hi, 0.1 si, 0.0 st
MiB Mem : 3920.2 total, 1790.6 free, 1467.0 used, 947.5 buff/cache
MiB Swap: 975.0 total, 975.0 free, 0.0 used. 2453.2 avail Mem
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
51763 hacker 20 0 2927992 381700 176088 S 10.6 9.5 0:11.61 firefox-esr
652 root 20 0 522476 199568 98116 S 8.9 5.0 2:02.22 Xorg
52060 hacker 20 0 2448168 119364 99200 S 3.6 3.0 0:01.12 file:// Content
51686 hacker 20 0 445688 108988 89448 S 1.7 2.7 0:00.70 qterminal
991 hacker 20 0 1171092 110860 77376 S 1.0 2.8 0:32.64 xfwm4
1056 hacker 20 0 350308 32940 21004 S 1.0 0.8 0:15.43 panel-15-genmon
1039 hacker 20 0 468656 47404 35384 S 0.7 1.2 0:11.61 xfce4-panel
1054 hacker 20 0 358648 42436 22220 S 0.7 1.1 0:20.66 panel-13-cpugra
16 root rt 0 0 0 0 S 0.3 0.0 0:00.06 migration/0
181 root -51 0 0 0 0 S 0.3 0.0 0:01.95 irq/18-vmwgfx
591 root 20 0 358412 2800 2428 S 0.3 0.1 0:01.25 VBoxService
1043 hacker 20 0 575792 74332 39916 S 0.3 1.9 0:26.16 Thunar
33636 hacker 20 0 445764 111544 89808 S 0.3 2.8 0:01.20 qterminal
1 root 20 0 167664 12176 9016 S 0.0 0.3 0:01.15 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 slub_flushwq
6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 netns
8 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/0:0H-events_highpri
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_kthread
13 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu_tasks_trace_kthread
14 root 20 0 0 0 0 S 0.0 0.0 0:00.06 ksoftirqd/0
15 root 20 0 0 0 0 I 0.0 0.0 0:03.20 rcu_preempt
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
20 root rt 0 0 0 0 S 0.0 0.0 0:00.38 migration/1
21 root 20 0 0 0 0 S 0.0 0.0 0:00.06 ksoftirqd/1
23 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/1:0H-events_highpri
24 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cpuhp/2
25 root rt 0 0 0 0 S 0.0 0.0 0:00.37 migration/2
26 root 20 0 0 0 0 S 0.0 0.0 0:00.06 ksoftirqd/2
29 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cpuhp/3
30 root rt 0 0 0 0 S 0.0 0.0 0:00.39 migration/3


1 2 3 4
hacker@kali: ~
File Actions Edit View Help
51686 hacker 20 0 445688 108988 89448 S 1.7 2.7 0:00.70 qterminal
991 hacker 20 0 1171092 110860 77376 S 1.0 2.8 0:32.64 xfwm4
1056 hacker 20 0 350308 32940 21004 S 1.0 0.8 0:15.43 panel-15-genmon
1039 hacker 20 0 468656 47404 35384 S 0.7 1.2 0:11.61 xfce4-panel
1054 hacker 20 0 358648 42436 22220 S 0.7 1.1 0:20.66 panel-13-cpugra
16 root rt 0 0 0 0 S 0.3 0.0 0:00.06 migration/0
181 root -51 0 0 0 0 S 0.3 0.0 0:01.95 irq/18-vmwgfx
591 root 20 0 358412 2800 2428 S 0.3 0.1 0:01.25 VBoxService
1043 hacker 20 0 575792 74332 39916 S 0.3 1.9 0:26.16 Thunar
33636 hacker 20 0 445764 111544 89808 S 0.3 2.8 0:01.20 qterminal
1 root 20 0 167664 12176 9016 S 0.0 0.3 0:01.15 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 slub_flushwq
6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 netns
8 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/0:0H-events_highpri
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_kthread
13 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu_tasks_trace_kthread
14 root 20 0 0 0 0 S 0.0 0.0 0:00.06 ksoftirqd/0
15 root 20 0 0 0 0 I 0.0 0.0 0:03.20 rcu_preempt
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
20 root rt 0 0 0 0 S 0.0 0.0 0:00.38 migration/1
21 root 20 0 0 0 0 S 0.0 0.0 0:00.06 ksoftirqd/1
23 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/1:0H-events_highpri
24 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cpuhp/2
25 root rt 0 0 0 0 S 0.0 0.0 0:00.37 migration/2
26 root 20 0 0 0 0 S 0.0 0.0 0:00.06 ksoftirqd/2
29 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cpuhp/3
30 root rt 0 0 0 0 S 0.0 0.0 0:00.39 migration/3
31 root 20 0 0 0 0 S 0.0 0.0 0:00.18 ksoftirqd/3
33 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/3:0H-events_highpri
37 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kdevtmpfs
38 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 inet_frag_wq
39 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kauditd
40 root 20 0 0 0 0 S 0.0 0.0 0:00.00 khungtaskd
41 root 20 0 0 0 0 S 0.0 0.0 0:00.00 oom_reaper
42 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 writeback
43 root 20 0 0 0 0 S 0.0 0.0 0:00.39 kcompactd0
(hacker㉿kali)-[~]
$ pkill firefox
(hacker㉿kali)-[~]
$ xkill
Select the window whose client you wish to kill with button 1....

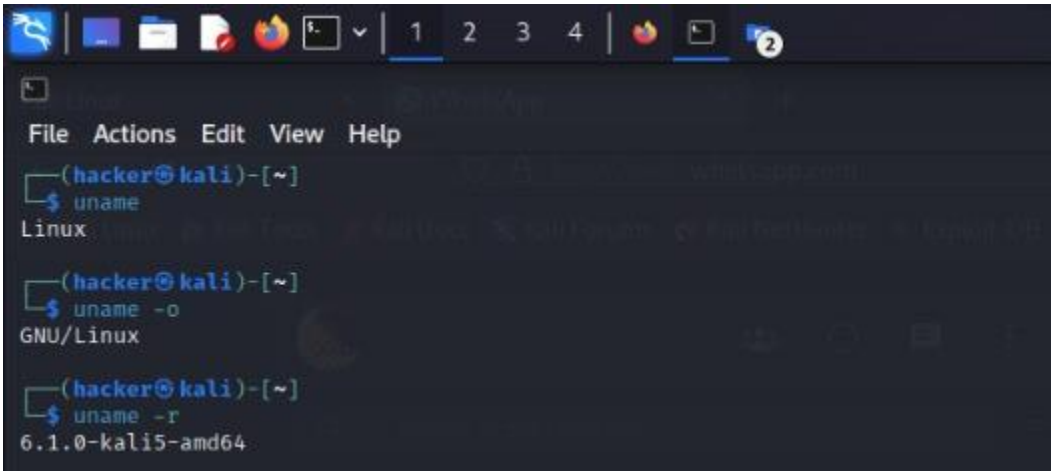

File Actions Edit View Help
(hacker㉿kali)-[~]
$ ps
PID TTY TIME CMD
63033 pts/0 00:00:00 zsh
63089 pts/0 00:00:00 ps
(hacker㉿kali)-[~]
$ gedit f1.txt &
[1] 63253
(hacker㉿kali)-[~]
$ ps
PID TTY TIME CMD
63033 pts/0 00:00:00 zsh
63253 pts/0 00:00:00 gedit
63321 pts/0 00:00:00 ps
(hacker㉿kali)-[~]
$

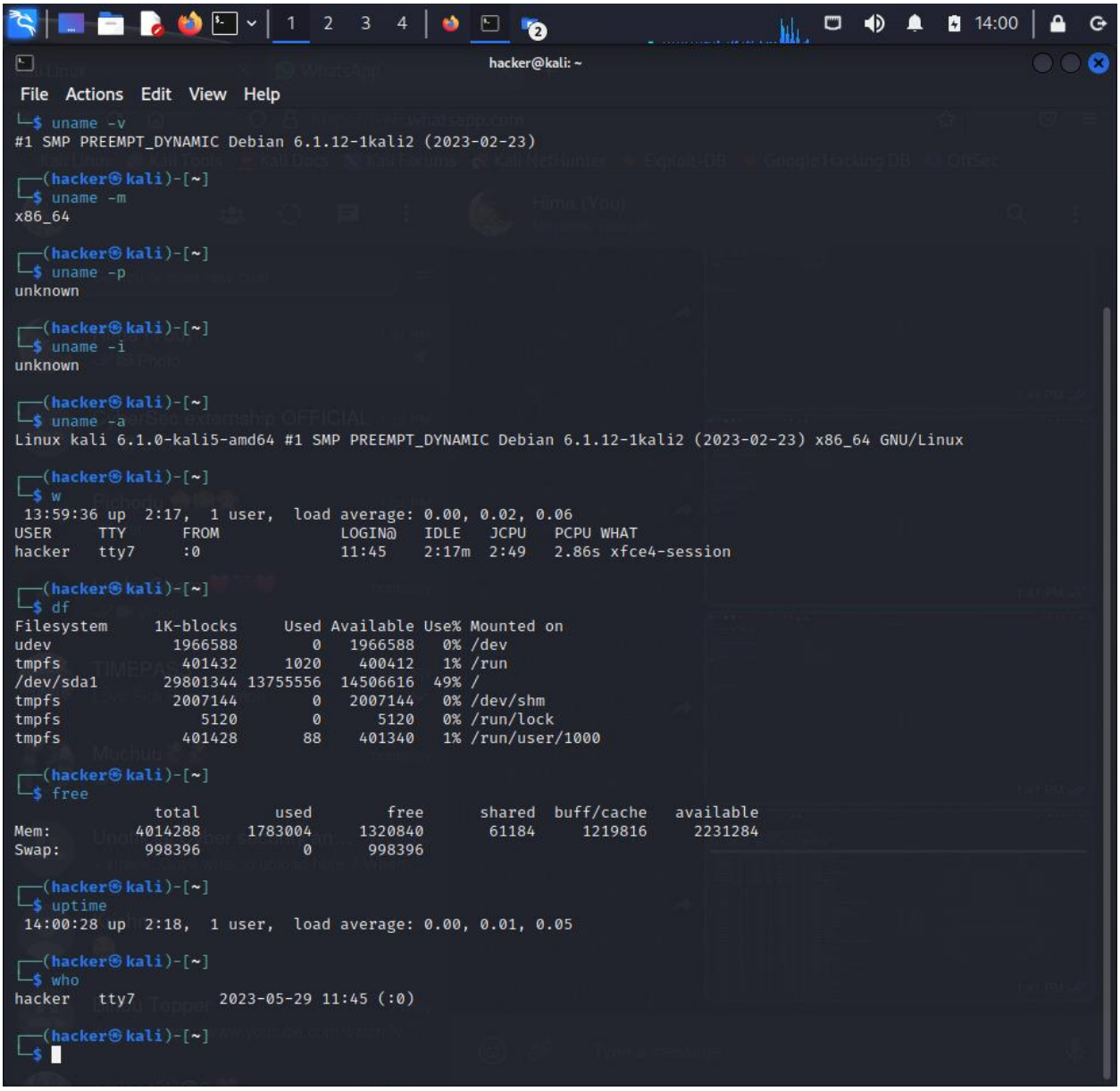
hacker@kali: ~
File Actions Edit View Help
(hacker㉿kali)-[~]
$ ps -al
F S UID PID PPID C PRI NI ADDR SZ WCHAN TTY TIME CMD
0 S 1000 63253 63033 1 85 5 - 158808 do_sys pts/0 00:00:00 gedit
4 R 1000 63555 63033 0 80 0 - 2800 - pts/0 00:00:00 ps
(hacker㉿kali)-[~]
$


File Actions Edit View Help
(hacker㉿kali)-[~]
$ bg
bg: job already in background
(hacker㉿kali)-[~]
$ fg
[1] + running gedit f1.txt

System Information:

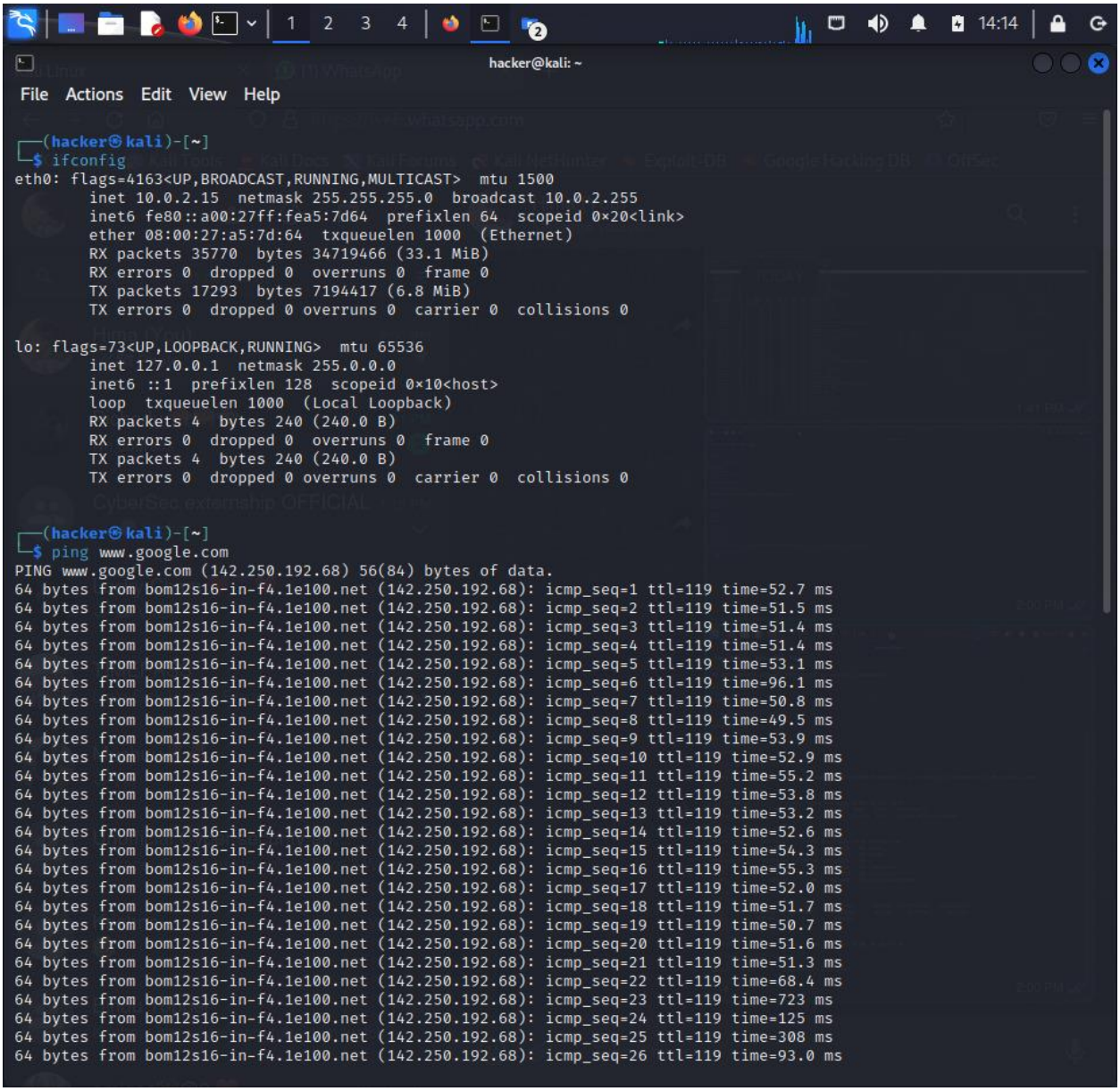
uname: Print system information
df: Display disk space usage
free: Display memory usage
uptime: Show system uptime
who: Display logged-in users
w: Display logged-in users and their activities

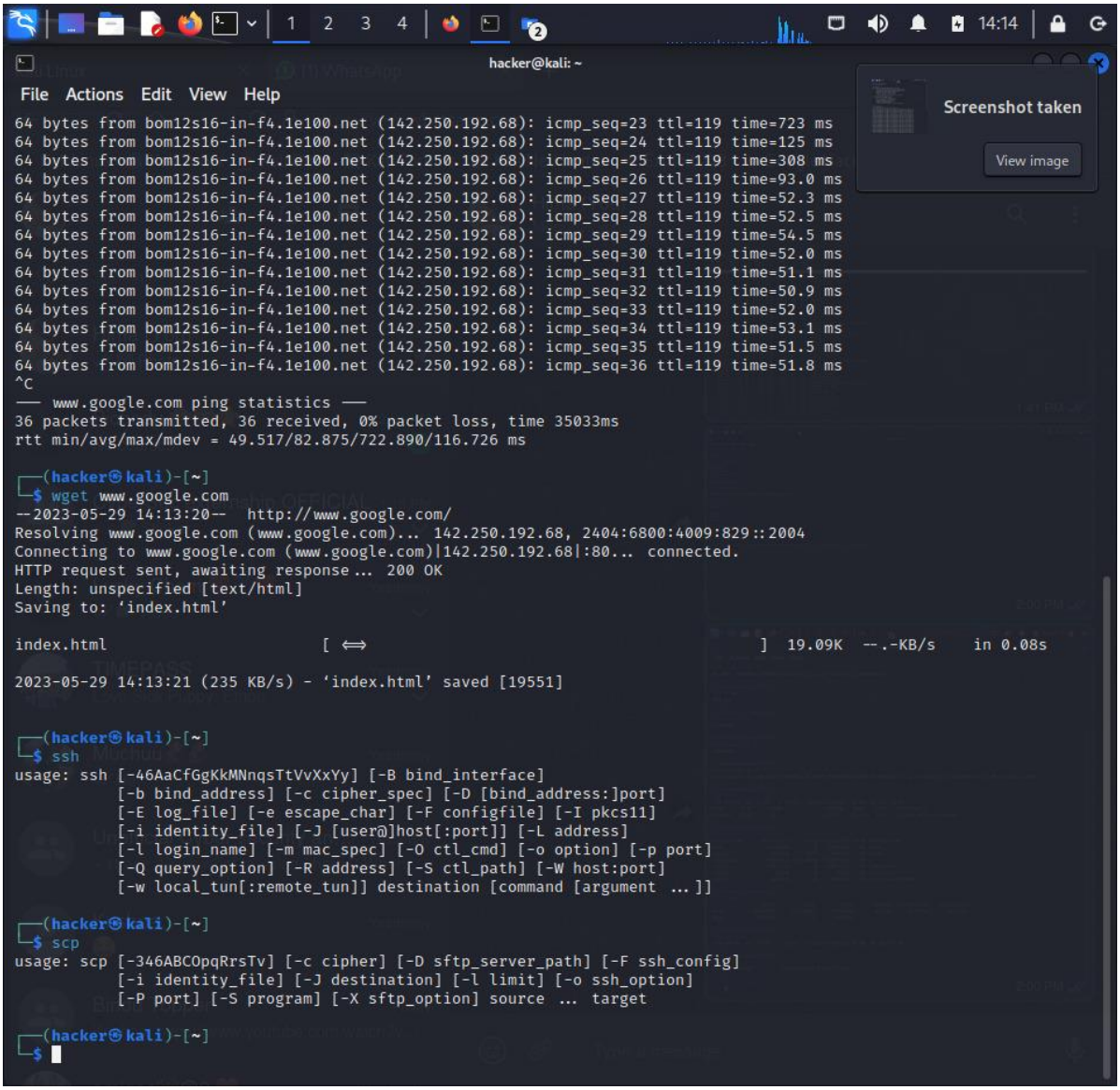




Networking:

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

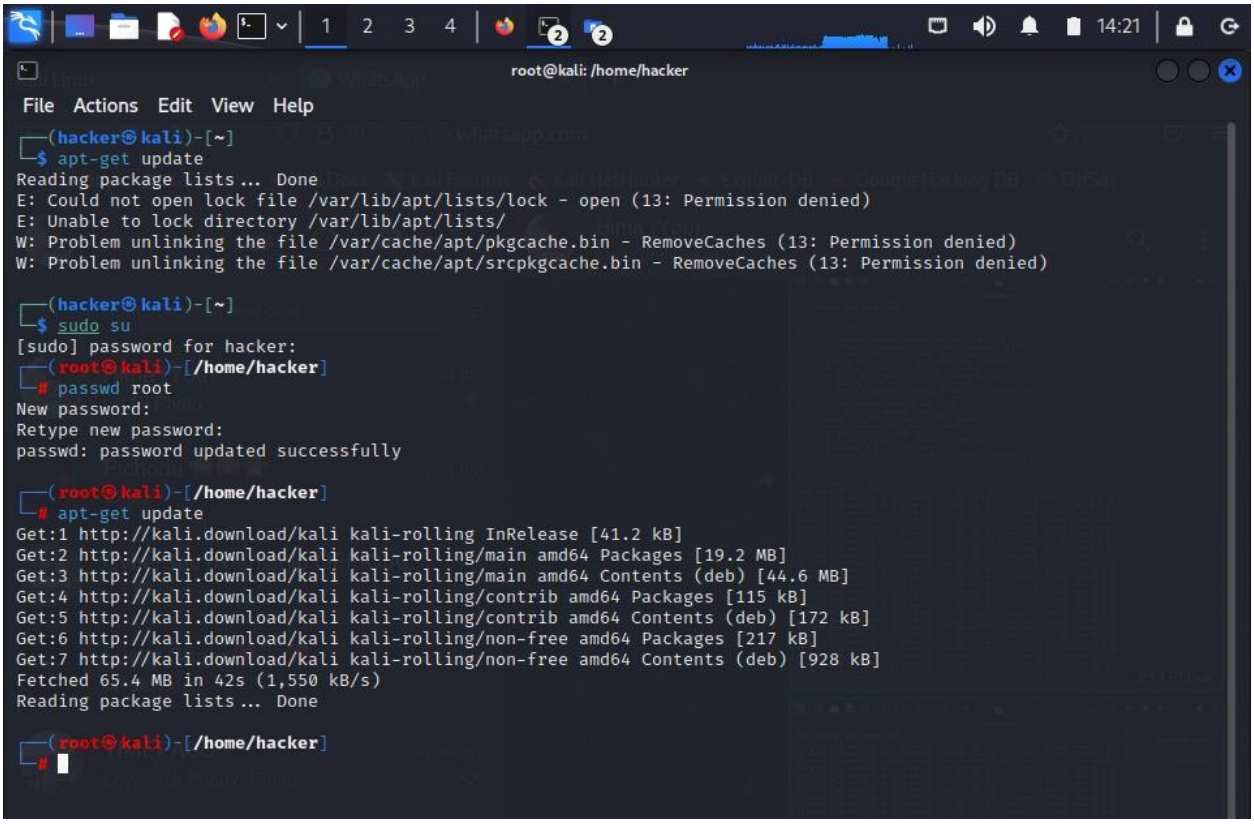

1 2 3 4
14:14
hacker@kali: ~
File Actions Edit View Help
(hacker㉿kali)-[~]
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
inet6 fe80::a00:27ff:fea5:7d64 prefixlen 64 scopeid 0×20<link>
ether 08:00:27:a5:7d:64 txqueuelen 1000 (Ethernet)
RX packets 35770 bytes 34719466 (33.1 MiB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 17293 bytes 7194417 (6.8 MiB)
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
inet6 ::1 prefixlen 128 scopeid 0×10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 4 bytes 240 (240.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 4 bytes 240 (240.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
(hacker㉿kali)-[~]
$ ping www.google.com
PING www.google.com (142.250.192.68) 56(84) bytes of data.
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=1 ttl=119 time=52.7 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=2 ttl=119 time=51.5 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=3 ttl=119 time=51.4 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=4 ttl=119 time=51.4 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=5 ttl=119 time=53.1 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=6 ttl=119 time=96.1 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=7 ttl=119 time=50.8 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=8 ttl=119 time=49.5 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=9 ttl=119 time=53.9 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=10 ttl=119 time=52.9 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=11 ttl=119 time=55.2 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=12 ttl=119 time=53.8 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=13 ttl=119 time=53.2 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=14 ttl=119 time=52.6 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=15 ttl=119 time=54.3 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=16 ttl=119 time=55.3 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=17 ttl=119 time=52.0 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=18 ttl=119 time=51.7 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=19 ttl=119 time=50.7 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=20 ttl=119 time=51.6 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=21 ttl=119 time=51.3 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=22 ttl=119 time=68.4 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=23 ttl=119 time=723 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=24 ttl=119 time=125 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=25 ttl=119 time=308 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=26 ttl=119 time=93.0 ms


1 2 3 4
14:14
hacker@kali: ~
File Actions Edit View Help
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=23 ttl=119 time=723 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=24 ttl=119 time=125 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=25 ttl=119 time=308 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=26 ttl=119 time=93.0 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=27 ttl=119 time=52.3 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=28 ttl=119 time=52.5 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=29 ttl=119 time=54.5 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=30 ttl=119 time=52.0 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=31 ttl=119 time=51.1 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=32 ttl=119 time=50.9 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=33 ttl=119 time=52.0 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=34 ttl=119 time=53.1 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=35 ttl=119 time=51.5 ms
64 bytes from bom12s16-in-f4.1e100.net (142.250.192.68): icmp_seq=36 ttl=119 time=51.8 ms
^C
— www.google.com ping statistics —
36 packets transmitted, 36 received, 0% packet loss, time 35033ms
rtt min/avg/max/mdev = 49.517/82.875/722.890/116.726 ms
(hacker㉿kali)-[~]
$ wget www.google.com
--2023-05-29 14:13:20-- http://www.google.com/
Resolving www.google.com (www.google.com)... 142.250.192.68, 2404:6800:4009:829::2004
Connecting to www.google.com (www.google.com)|142.250.192.68|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'index.html'
index.html [⟺] 19.09K --.-KB/s in 0.08s
2023-05-29 14:13:21 (235 KB/s) - 'index.html' saved [19551]
(hacker㉿kali)-[~]
$ ssh
usage: ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface]
[-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
[-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
[-i identity_file] [-J [user@]host[:port]] [-L address]
[-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
[-Q query_option] [-R address] [-S ctl_path] [-W host:port]
[-w local_tun[:remote_tun]] destination [command [argument ...]]
(hacker㉿kali)-[~]
$ scp
usage: scp [-346ABCOpqRrsTv] [-c cipher] [-D sftp_server_path] [-F ssh_config]
[-i identity_file] [-J destination] [-l limit] [-o ssh_option]
[-P port] [-S program] [-X sftp_option] source ... target
(hacker㉿kali)-[~]
$
Screenshot taken
View image

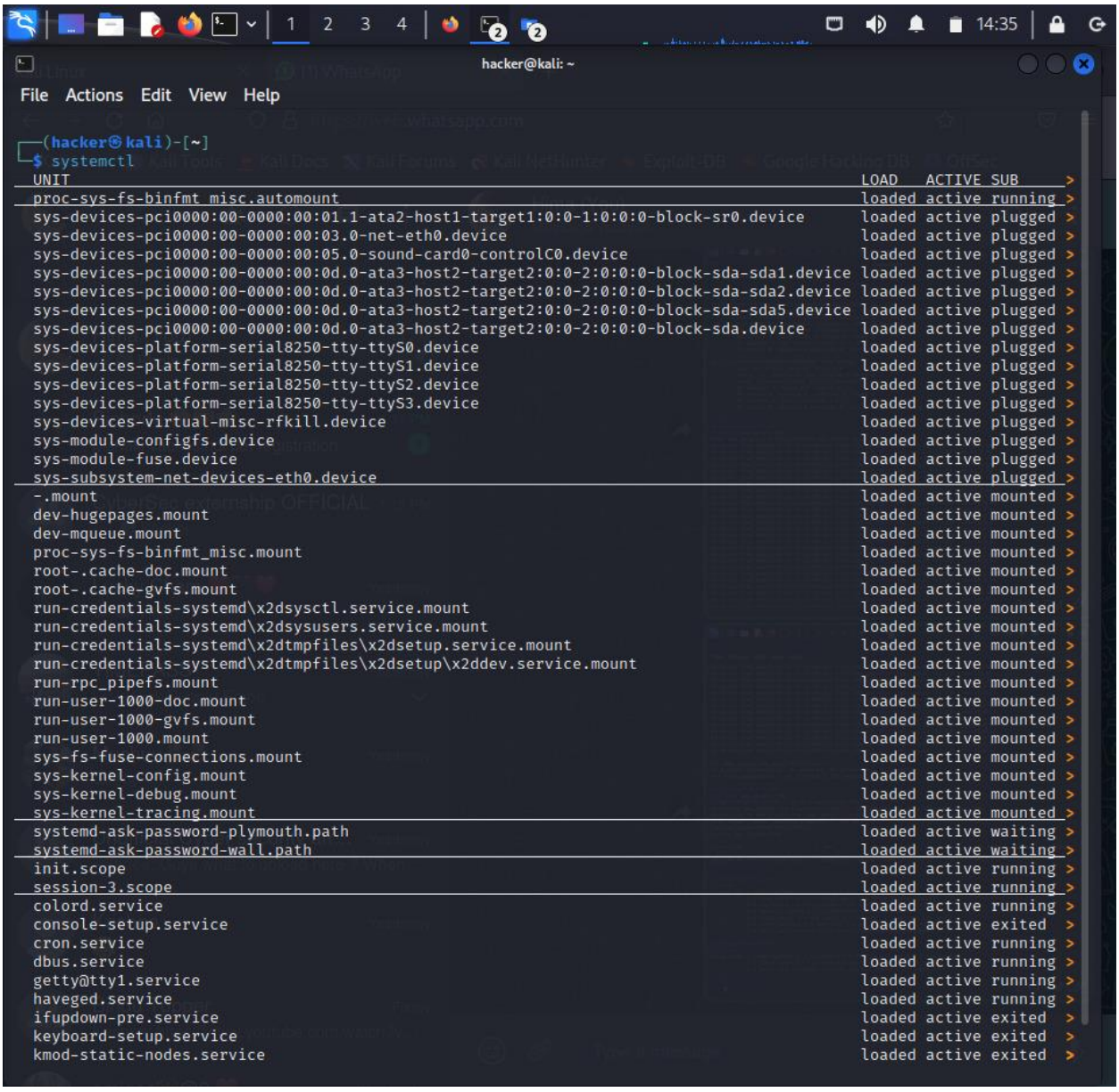
System Administration:

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

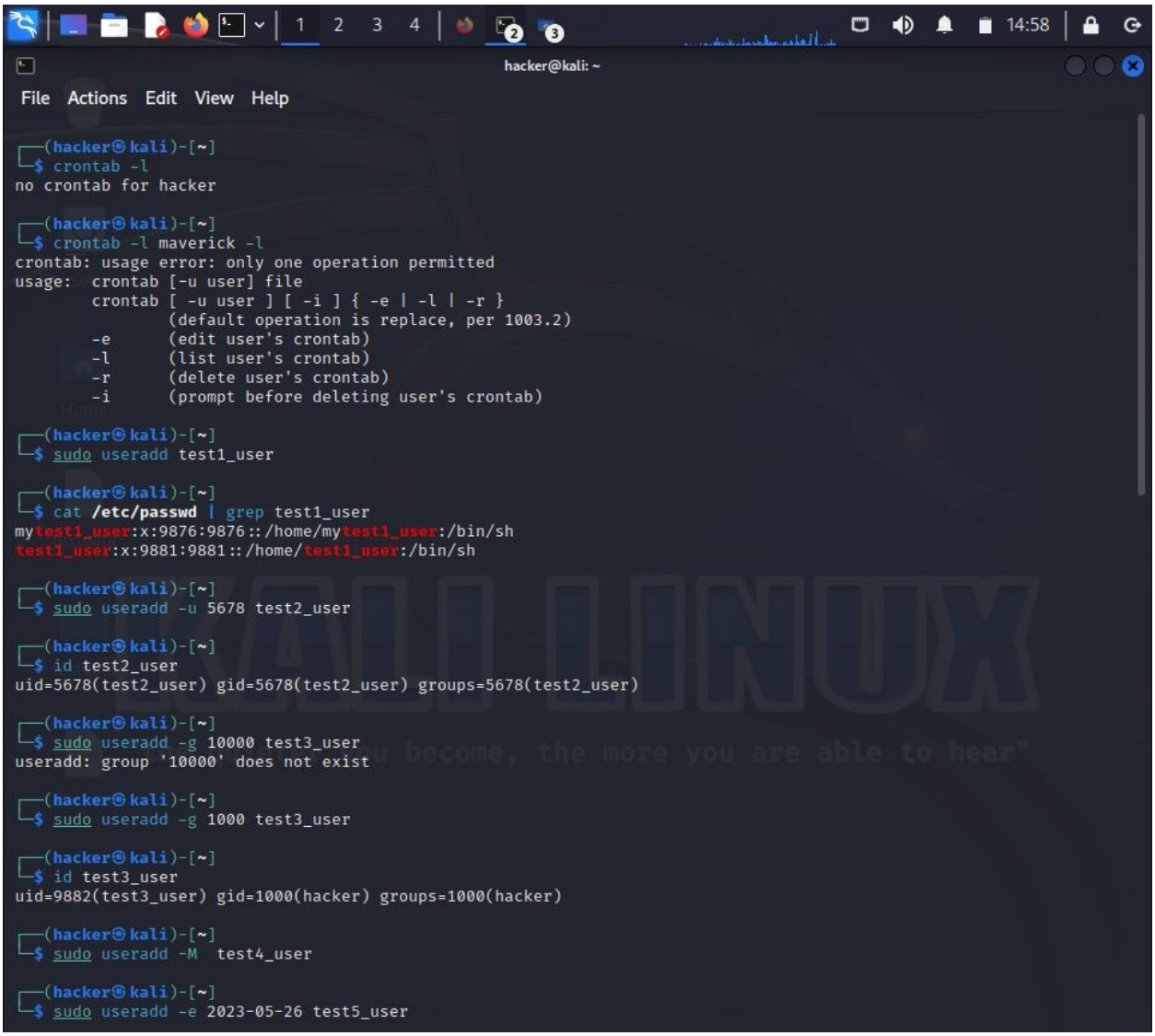
apt-get, sudo and passwd

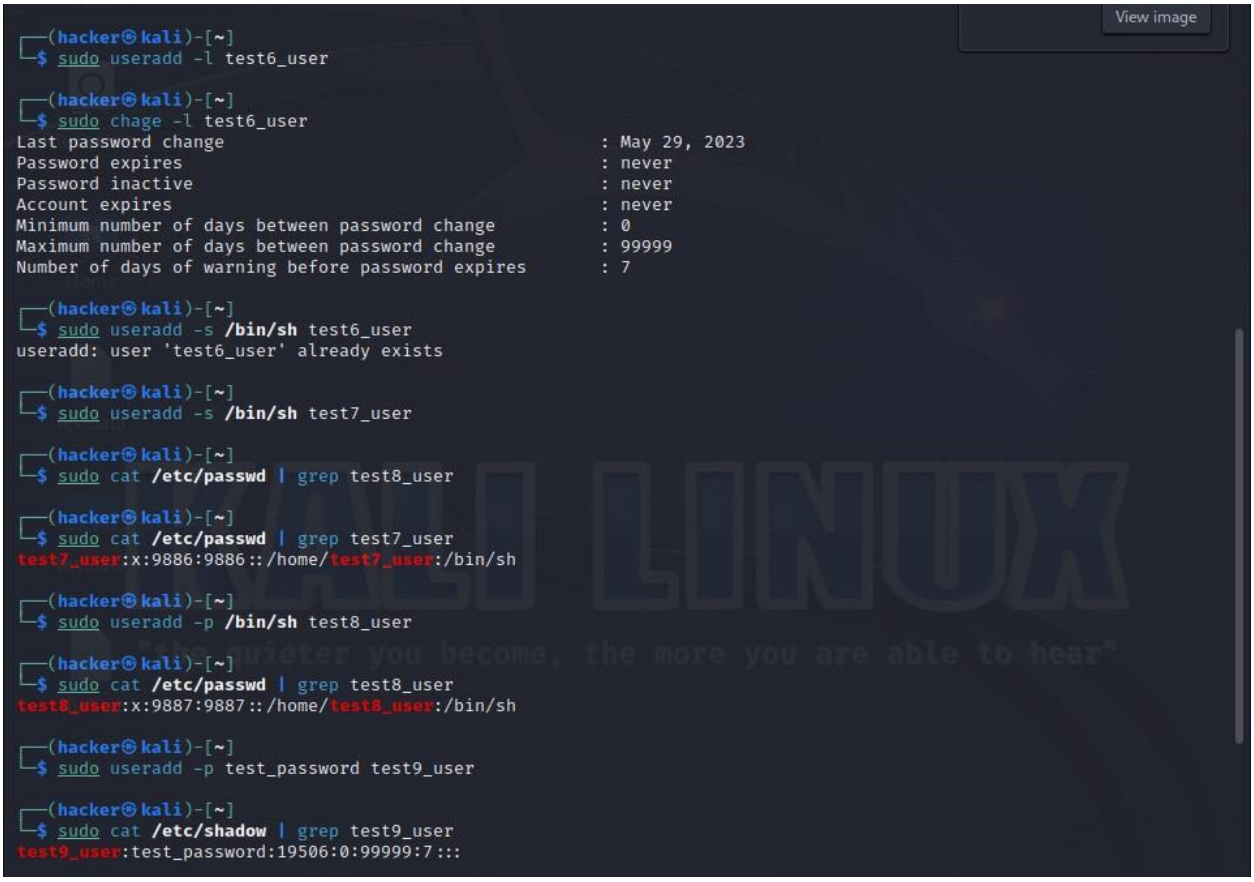


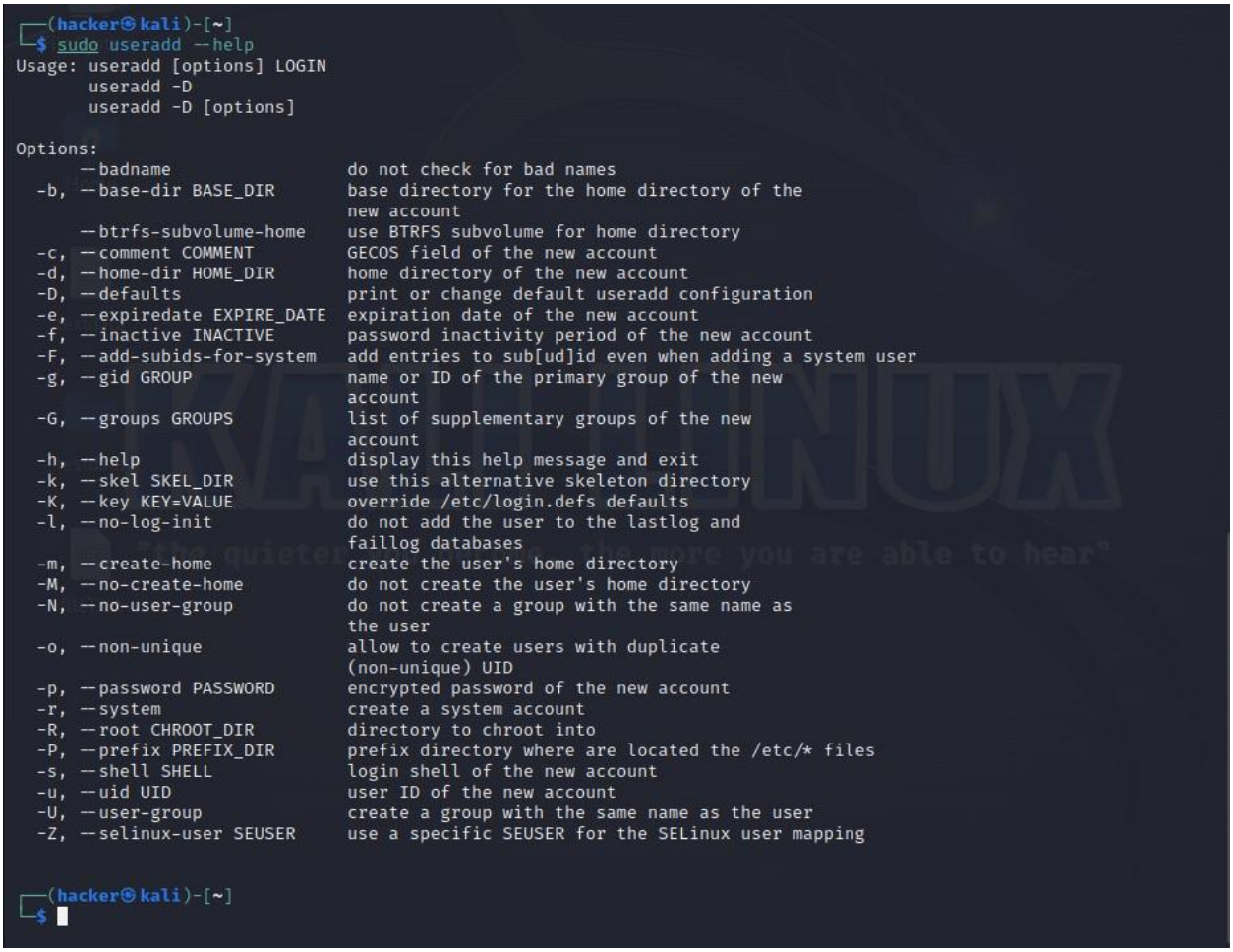
systenctl command



crontab and useradd command




View image
(hacker㉿kali)-[~]
$ sudo useradd -l test6_user
(hacker㉿kali)-[~]
$ sudo chage -l test6_user
Last password change : May 29, 2023
Password expires : never
Password inactive : never
Account expires : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
(hacker㉿kali)-[~]
$ sudo useradd -s /bin/sh test6_user
useradd: user 'test6_user' already exists
(hacker㉿kali)-[~]
$ sudo useradd -s /bin/sh test7_user
(hacker㉿kali)-[~]
$ sudo cat /etc/passwd | grep test8_user
(hacker㉿kali)-[~]
$ sudo cat /etc/passwd | grep test7_user
test7_user:x:9886:9886::/home/test7_user:/bin/sh
(hacker㉿kali)-[~]
$ sudo useradd -p /bin/sh test8_user
(hacker㉿kali)-[~]
$ sudo cat /etc/passwd | grep test8_user
test8_user:x:9887:9887::/home/test8_user:/bin/sh
(hacker㉿kali)-[~]
$ sudo useradd -p test_password test9_user
(hacker㉿kali)-[~]
$ sudo cat /etc/shadow | grep test9_user
test9_user:test_password:19506:0:99999:7:::



All commands are verified in the software Kail Linux.