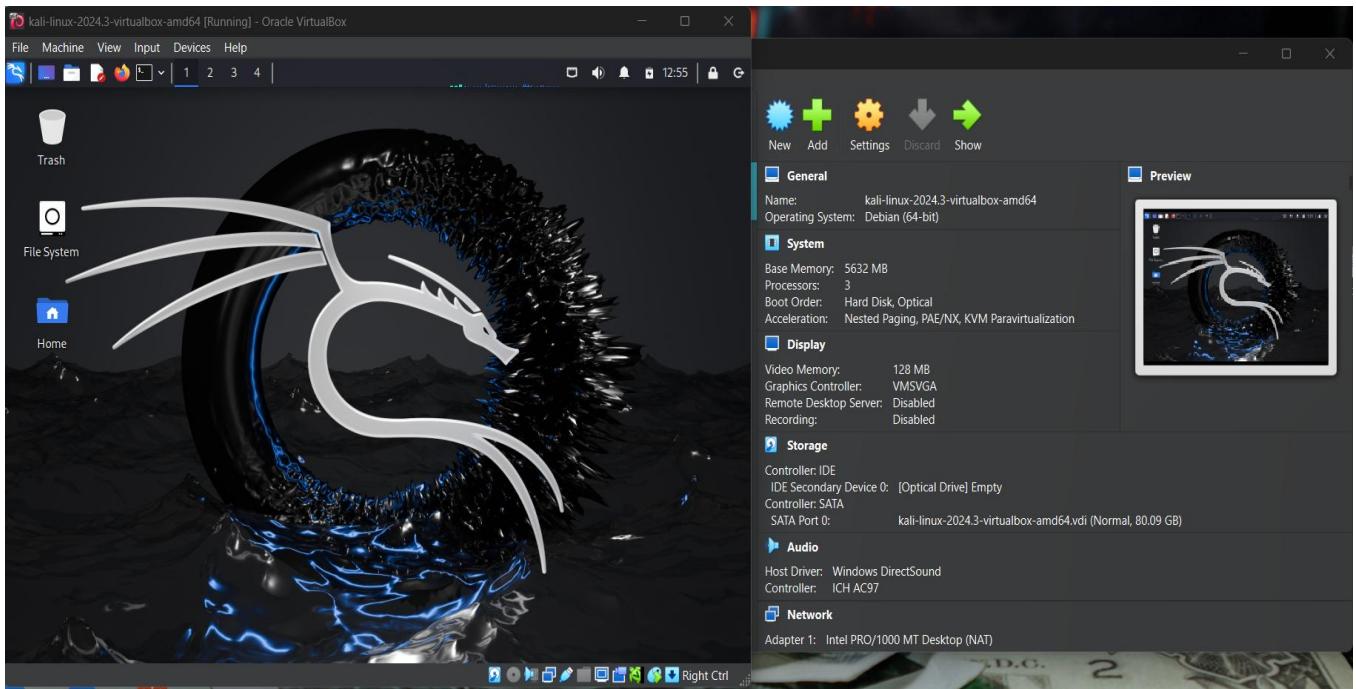
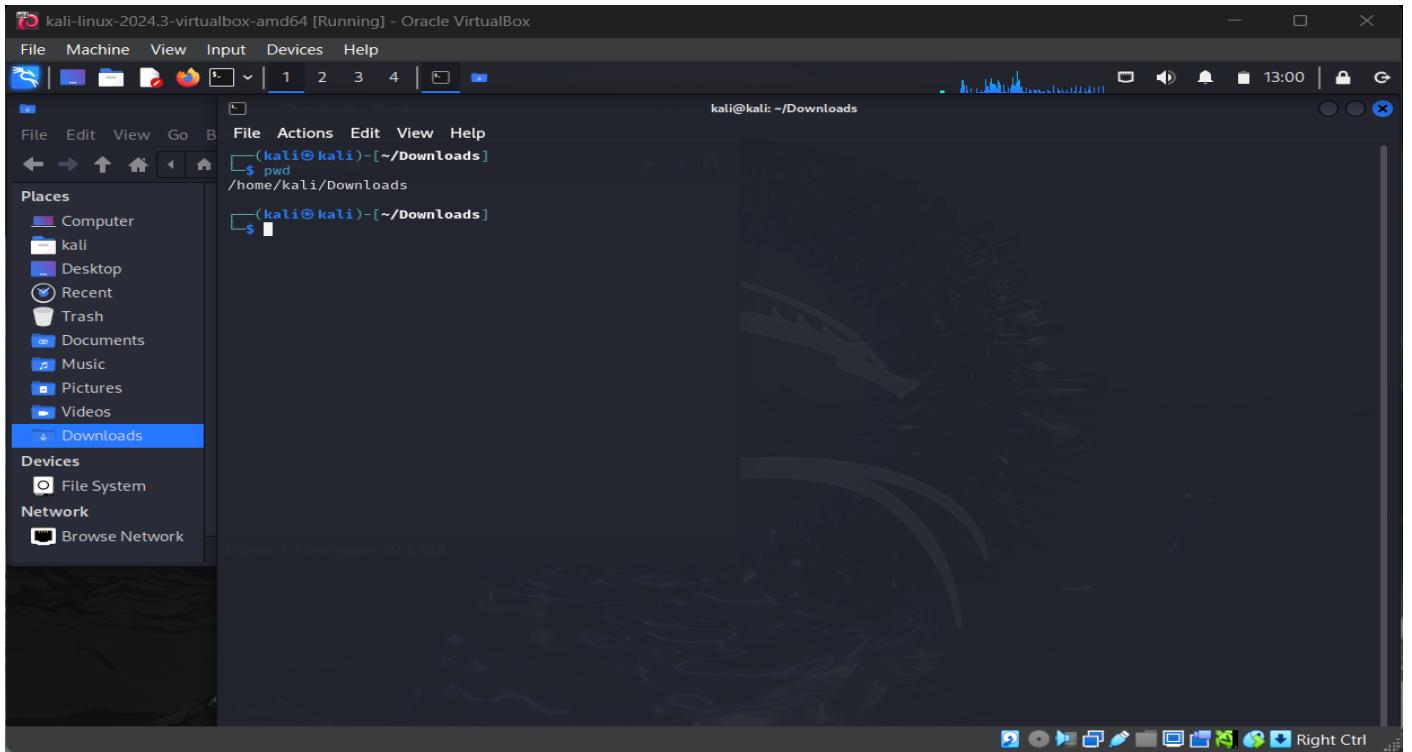


## 1. Running the VM



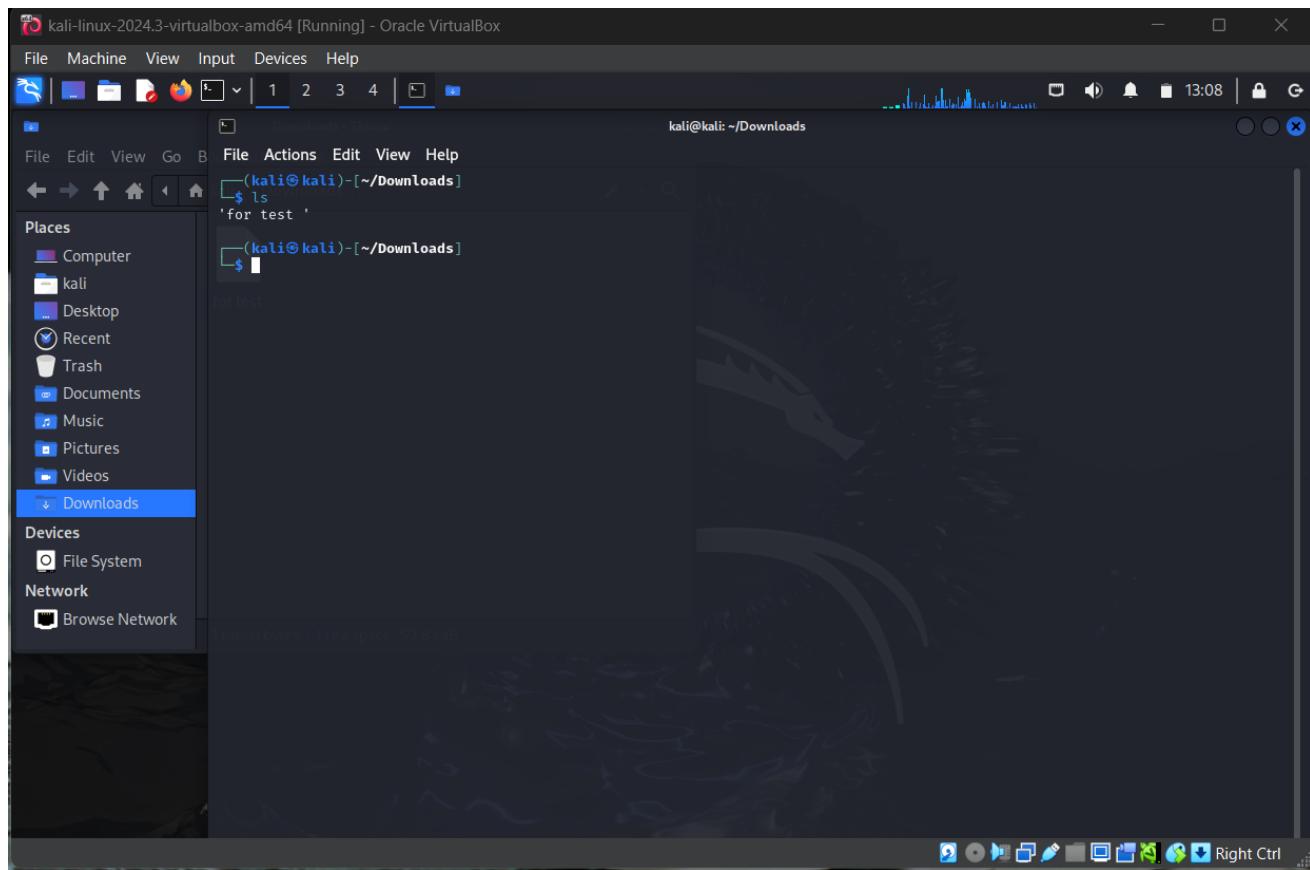
## 2. Running commands on any file/folder

a. `pwd` - this command is one method to see, which is the current working directory.

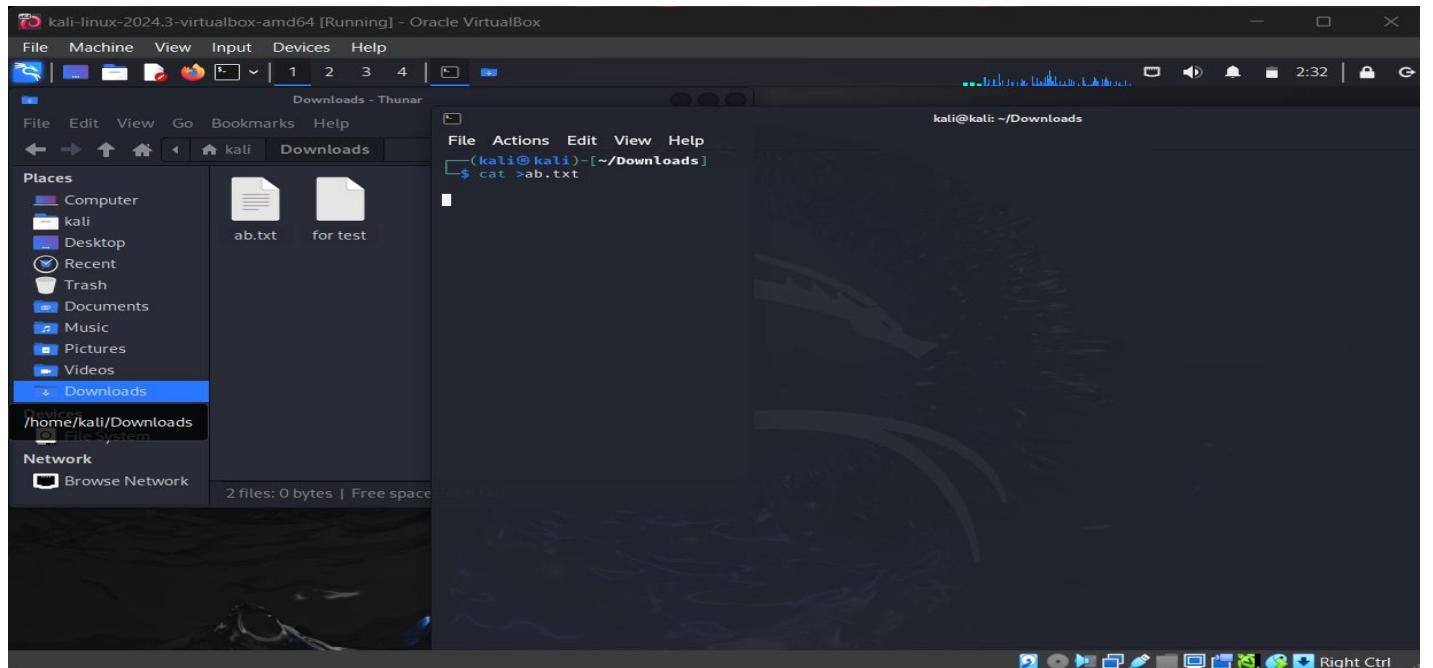


**report on Linux command output after running the VM.**

b. ls - List the files in the current folder

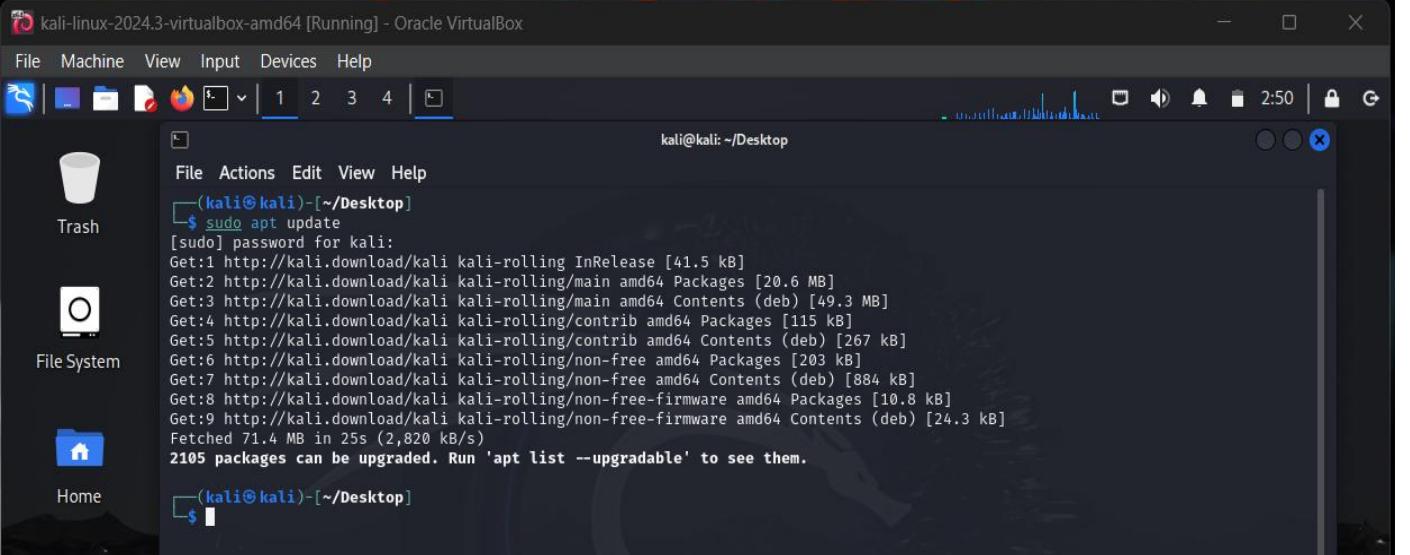


c. cat- Reads files sequentially and writes them to standard output



### 3. Some other commands

#### i. sudo apt upgrade - To upgrade packages in the system



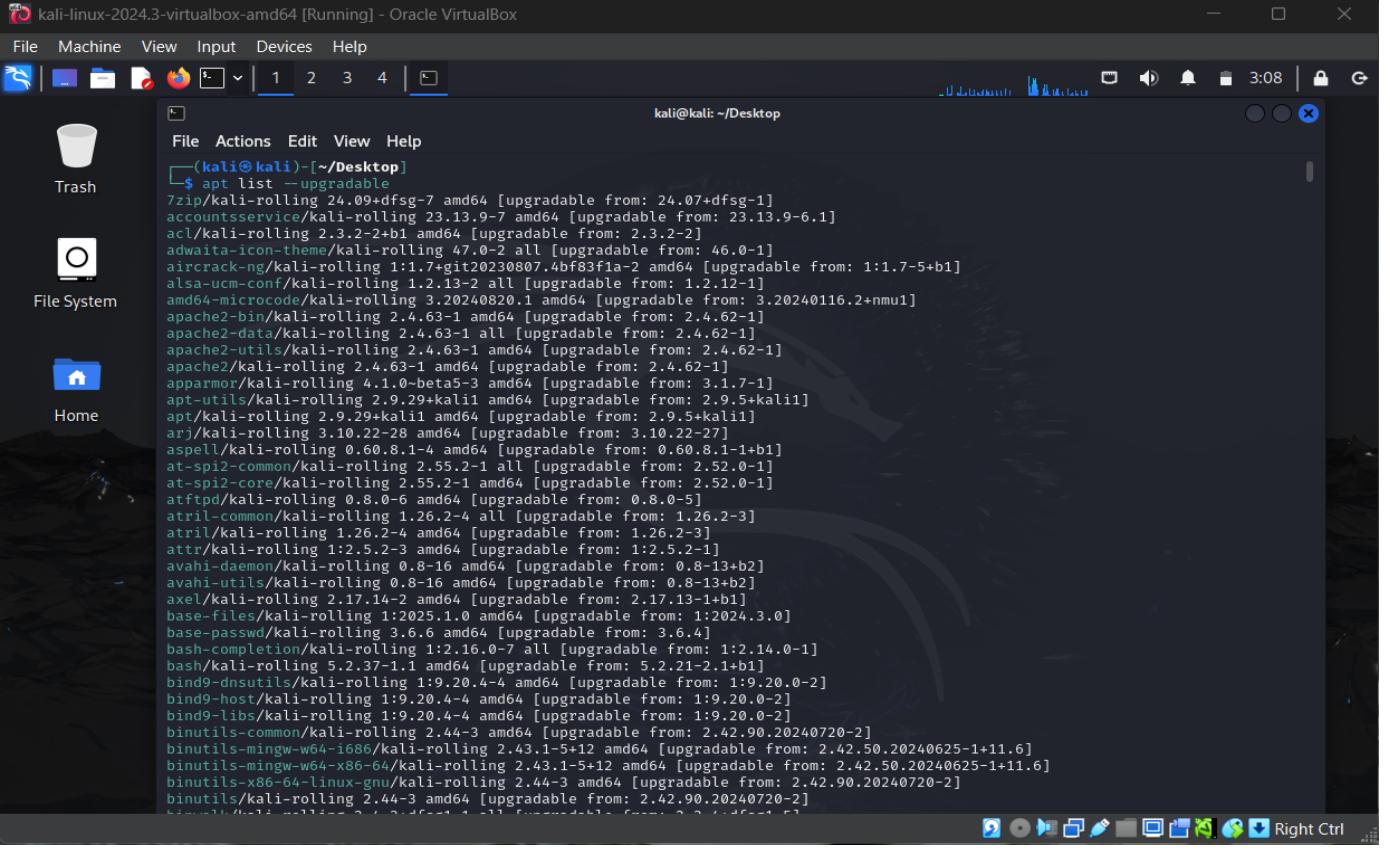
```

kali@kali: ~/Desktop
File Machine View Input Devices Help
File Actions Edit View Help
[(kali㉿kali)-~/Desktop]
$ sudo apt update
[sudo] password for kali:
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [20.6 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [49.3 MB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [115 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [267 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [203 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [884 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [10.8 kB]
Get:9 http://kali.download/kali kali-rolling/non-free-firmware amd64 Contents (deb) [24.3 kB]
Fetched 71.4 MB in 25s (2,820 kB/s)
2105 packages can be upgraded. Run 'apt list --upgradable' to see them.

[(kali㉿kali)-~/Desktop]
$ 

```

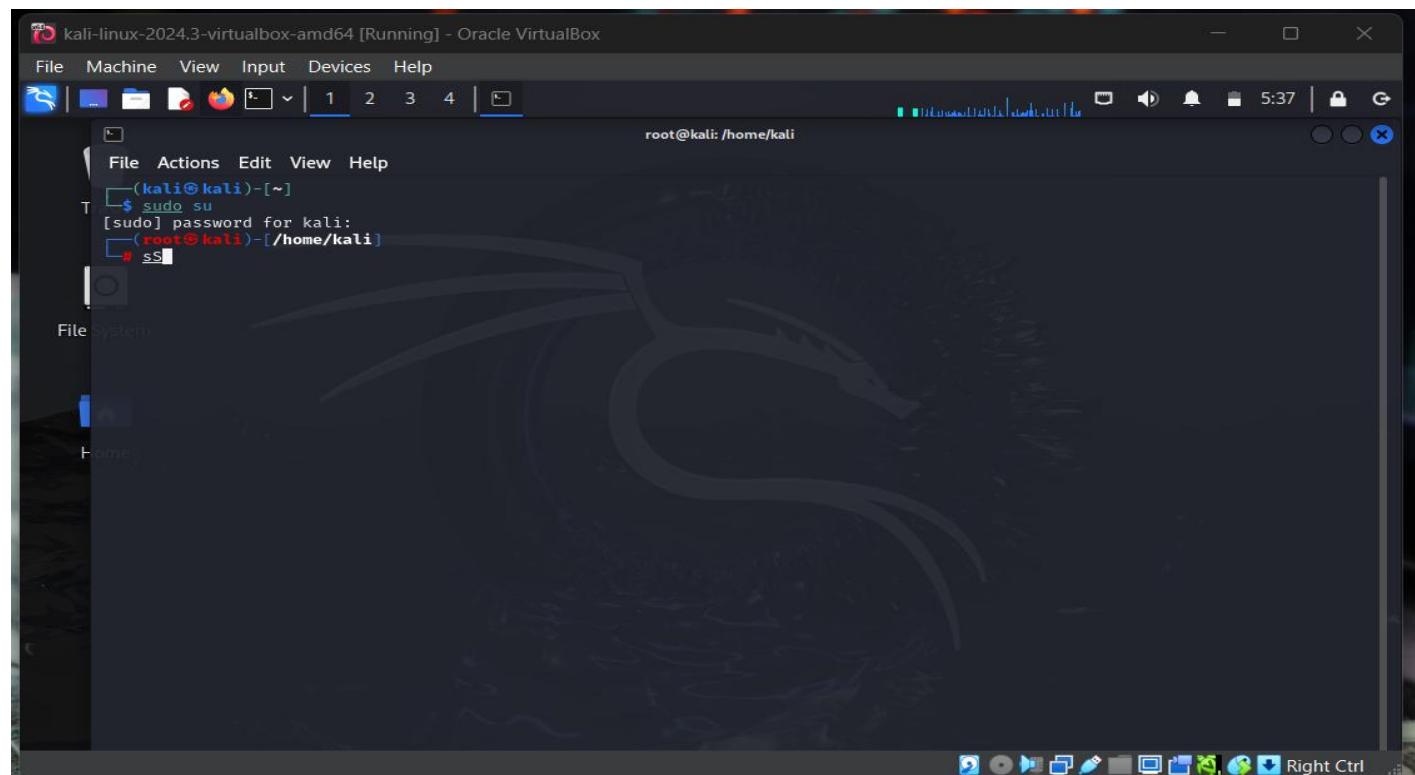
#### ii. apt list --upgradable – to see those which will update.



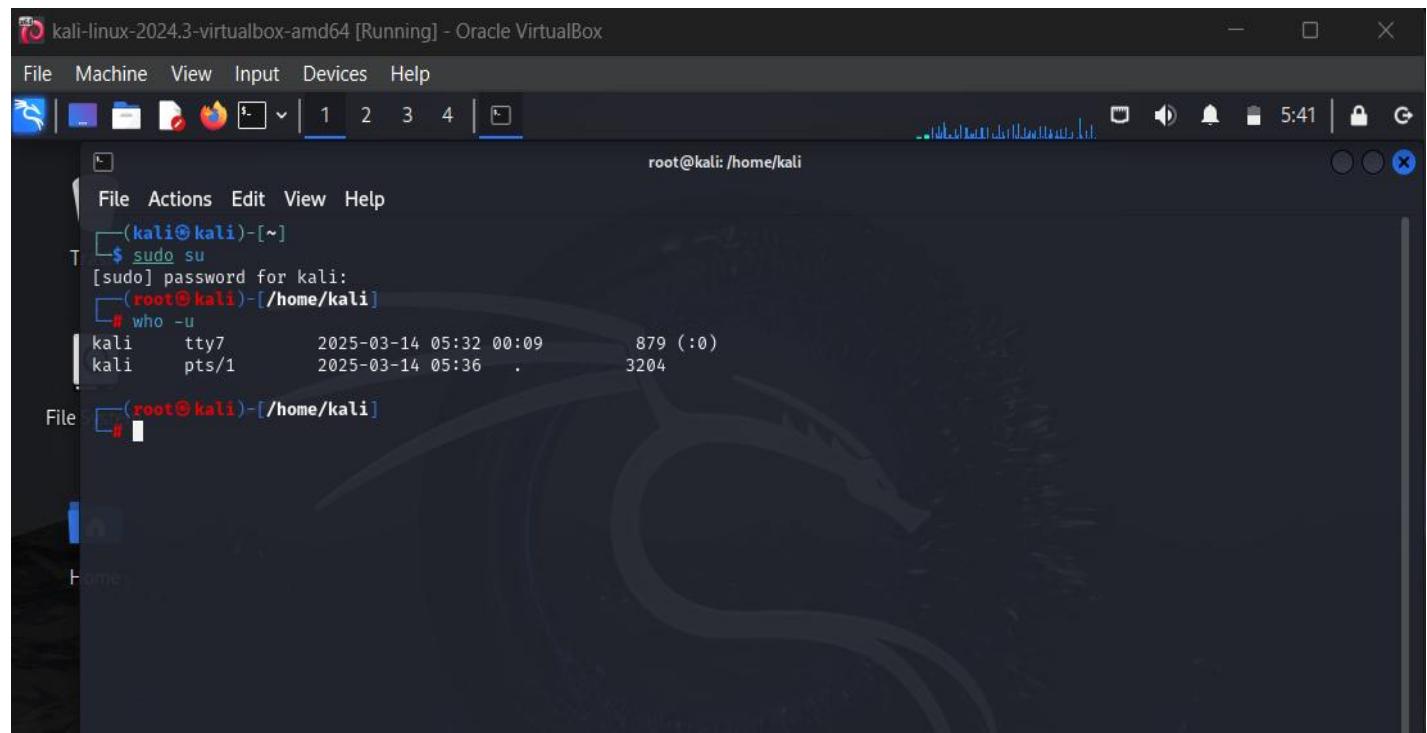
```

kali@kali: ~/Desktop
File Machine View Input Devices Help
File Actions Edit View Help
[(kali㉿kali)-~/Desktop]
$ apt list --upgradable
7zip/kali-rolling 24.09+dfsg-7 amd64 [upgradable from: 24.07+dfsg-1]
accountsservice/kali-rolling 23.13.9-7 amd64 [upgradable from: 23.13.9-6.1]
acl/kali-rolling 2.3.2-2+b1 amd64 [upgradable from: 2.3.2-2]
adwaita-icon-theme/kali-rolling 47.0-2 all [upgradable from: 46.0-1]
aircrack-ng/kali-rolling 1:1.7+git20230807.4bf83f1a-2 amd64 [upgradable from: 1:1.7-5+b1]
alsa-ucm-conf/kali-rolling 1.2.13-2 all [upgradable from: 1.2.12-1]
amd64-microcode/kali-rolling 3.20240820.1 amd64 [upgradable from: 3.20240116.2+nmu1]
apache2-bin/kali-rolling 2.4.63-1 amd64 [upgradable from: 2.4.62-1]
apache2-data/kali-rolling 2.4.63-1 all [upgradable from: 2.4.62-1]
apache2/kali-rolling 2.4.63-1 amd64 [upgradable from: 2.4.62-1]
apparmor/kali-rolling 4.1.0-beta5-3 amd64 [upgradable from: 3.1.7-1]
apt-utils/kali-rolling 2.9.29+kali1 amd64 [upgradable from: 2.9.5+kali1]
apt/kali-rolling 2.9.29+kali1 amd64 [upgradable from: 2.9.5+kali1]
arj/kali-rolling 3.10.22-28 amd64 [upgradable from: 3.10.22-27]
aspell/kali-rolling 0.60.8.1-4 amd64 [upgradable from: 0.60.8.1-1+b1]
at-spiz-common/kali-rolling 2.55.2-1 all [upgradable from: 2.52.0-1]
at-spiz-core/kali-rolling 2.55.2-1 amd64 [upgradable from: 2.52.0-1]
atftpd/kali-rolling 0.8.0-6 amd64 [upgradable from: 0.8.0-5]
atril-common/kali-rolling 1.26.2-4 all [upgradable from: 1.26.2-3]
atril/kali-rolling 1.26.2-4 amd64 [upgradable from: 1.26.2-3]
attr/kali-rolling 1:2.5.2-3 amd64 [upgradable from: 1:2.5.2-1]
avahi-daemon/kali-rolling 0.8-16 amd64 [upgradable from: 0.8-13+b2]
avahi-utils/kali-rolling 0.8-16 amd64 [upgradable from: 0.8-13+b2]
axel/kali-rolling 2.17.14-2 amd64 [upgradable from: 2.17.13-1+b1]
base-files/kali-rolling 1:2025.1.0 amd64 [upgradable from: 1:2024.3.0]
base-passwd/kali-rolling 3.6.6 amd64 [upgradable from: 3.6.4]
bash-completion/kali-rolling 1:2.16.0-7 all [upgradable from: 1:2.14.0-1]
bash/kali-rolling 5.2.37-1.1 amd64 [upgradable from: 5.2.21-2.1+b1]
bind9-dnsutils/kali-rolling 1:9.20.4-4 amd64 [upgradable from: 1:9.20.0-2]
bind9-host/kali-rolling 1:9.20.4-4 amd64 [upgradable from: 1:9.20.0-2]
bind9-libs/kali-rolling 1:9.20.4-4 amd64 [upgradable from: 1:9.20.0-2]
binutils-common/kali-rolling 2.44-3 amd64 [upgradable from: 2.42.90.20240720-2]
binutils-mingw-w64-1686/kali-rolling 2.43.1-5+12 amd64 [upgradable from: 2.42.50.20240625-1+11.6]
binutils-mingw-w64-x86-64/kali-rolling 2.43.1-5+12 amd64 [upgradable from: 2.42.50.20240625-1+11.6]
binutils-x86-64-linux-gnu/kali-rolling 2.44-3 amd64 [upgradable from: 2.42.90.20240720-2]
binutils/kali-rolling 2.44-3 amd64 [upgradable from: 2.42.90.20240720-2]

```

**iii. sudo su - To change the current user to superuser or root**

A screenshot of a Kali Linux terminal window titled "kali-linux-2024.3-virtualbox-amd64 [Running] - Oracle VirtualBox". The terminal shows the command `sudo su` being entered by the user. The prompt changes from `(kali㉿kali)-[~]` to `[sudo] password for kali:`, indicating that the user is prompted for their password to switch to root. The background features the Kali Linux logo.

**iv. who -u - Show Idle Time**

A screenshot of a Kali Linux terminal window titled "kali-linux-2024.3-virtualbox-amd64 [Running] - Oracle VirtualBox". The terminal shows the command `who -u` being run by the user. The output displays the idle times for users `kali` on both `tty7` and `pts/1`. The background features the Kali Linux logo.

User	TTY	Date	Idle Time
kali	tty7	2025-03-14 05:32	00:09
kali	pts/1	2025-03-14 05:36	.