



Name : Muhammad Ammanullah

Sap I'd : 55633

Section : BS SE (5 - 2)

Course : Operating System

Lab 7 Tasks :

Task 1 :

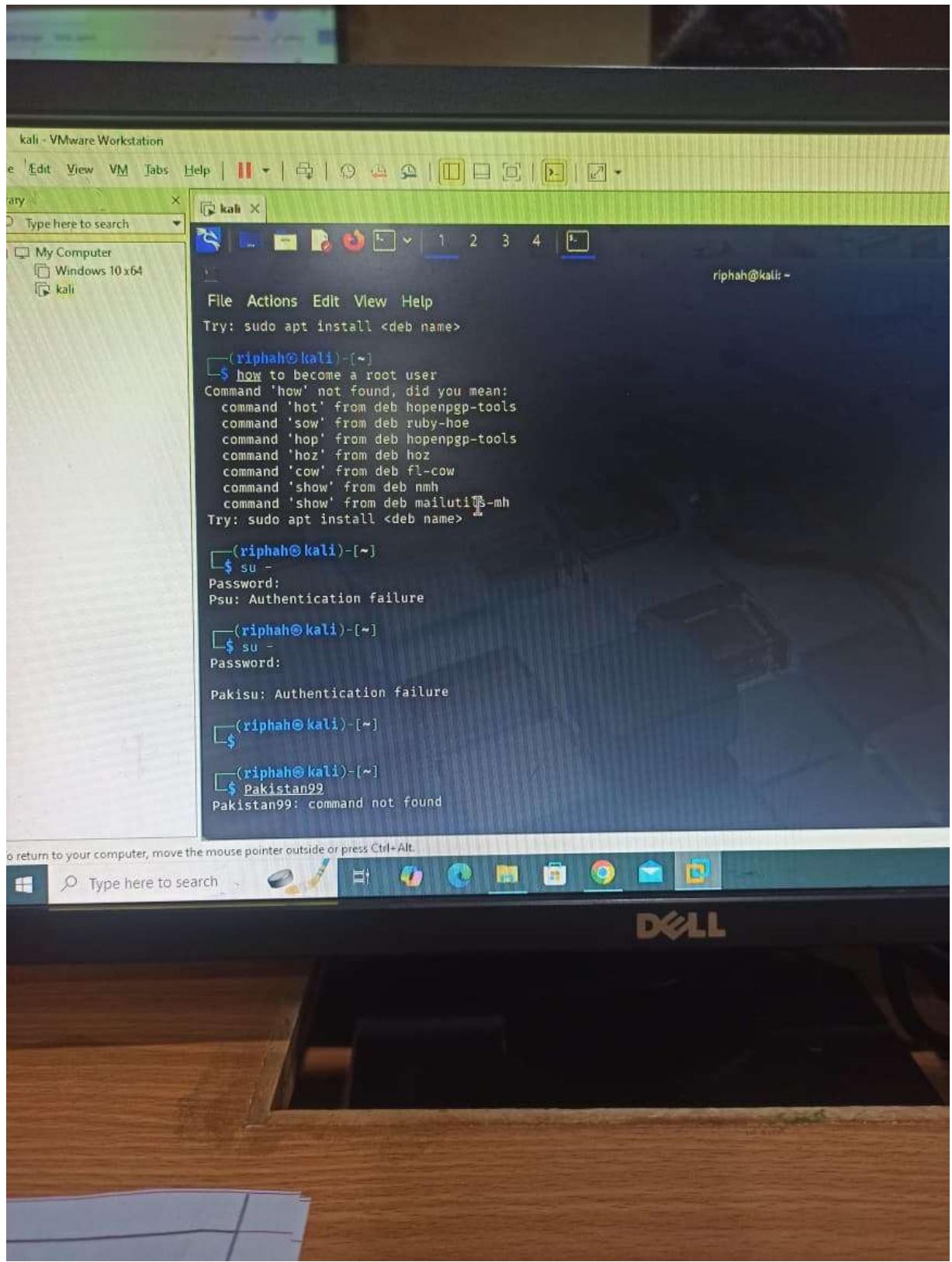
```
(riphah㉿kali)-[~]
$ yum --version
Command 'yum' not found, did you mean:
  command 'sum' from deb coreutils
  command 'zum' from deb perforate
  command 'num' from deb quickcal
  command 'gum' from deb gum
Try: sudo apt install <deb name>

(riphah㉿kali)-[~]
$ apt-get install yum
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?

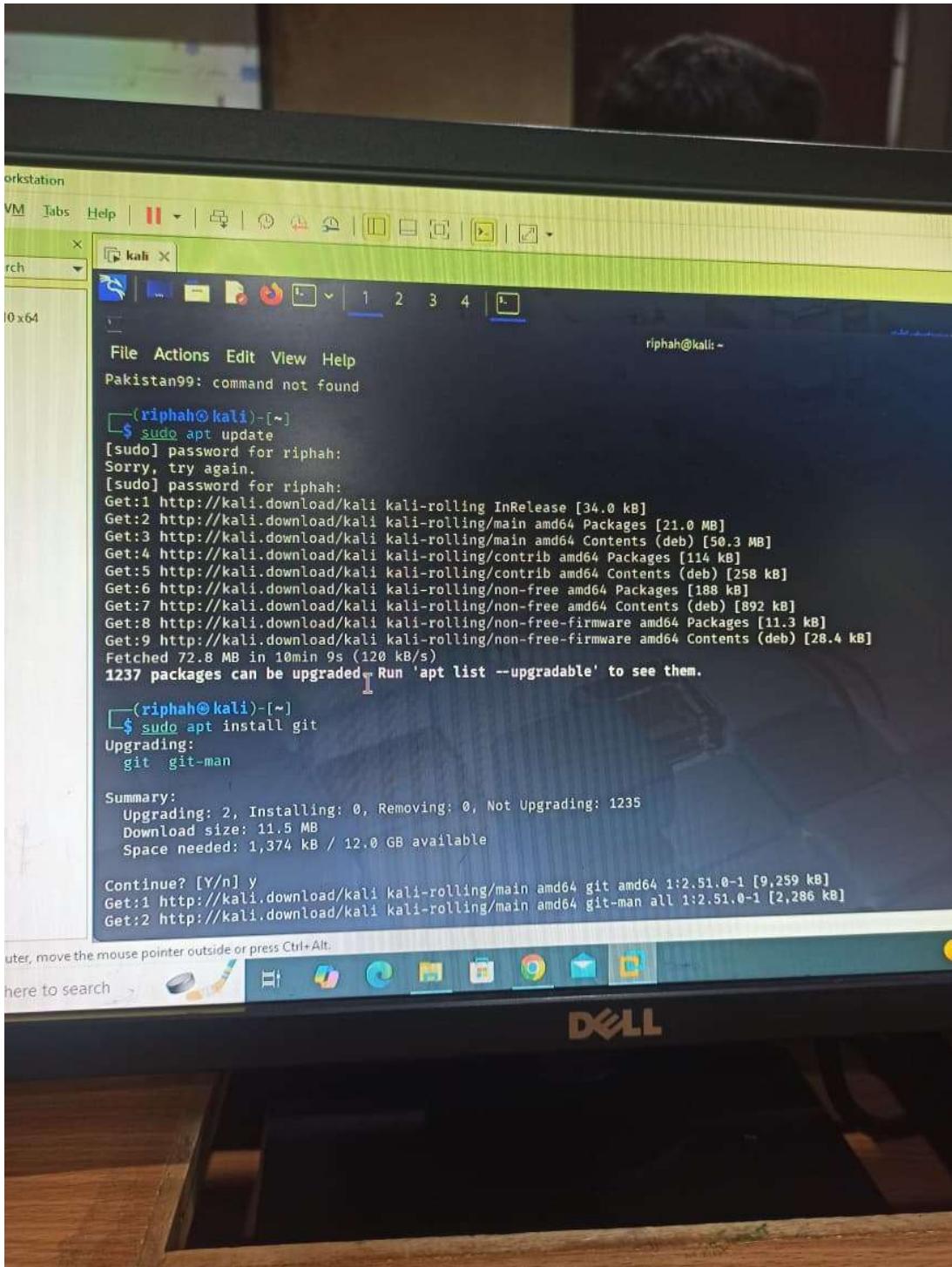
(riphah㉿kali)-[~]
$ root user
Command 'root' not found, did you mean:
  command 'broot' from deb broot
  command 'rboot' from deb ruptime
  command 'foot' from deb foot
  command 'proot' from deb proot
  command 'coot' from deb coot
  command 'rooty' from deb xawtv
  command 'toot' from deb toot
Try: sudo apt install <deb name>

(riphah㉿kali)-[~]
$ how to become a root user
Command 'how' not found, did you mean:
  command 'hot' from deb hopenpgp-tools
  command 'sow' from deb ruby-hoe
  command 'hop' from deb hopenpgp-tools
```

Task 2 :



Task 3 :



The screenshot shows a terminal window titled 'kali' running on a Kali Linux desktop environment. The terminal displays the following command-line session:

```
File Actions Edit View Help
Pakistan99: command not found
(riphah@kali)-[~]
$ sudo apt update
[sudo] password for riphah:
Sorry, try again.
[sudo] password for riphah:
Get:1 http://kali.download/kali kali-rolling InRelease [34.0 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [21.0 MB]
Get:3 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [50.3 kB]
Get:4 http://kali.download/kali kali-rolling/contrib amd64 Packages [114 kB]
Get:5 http://kali.download/kali kali-rolling/contrib amd64 Contents (deb) [258 kB]
Get:6 http://kali.download/kali kali-rolling/non-free amd64 Packages [188 kB]
Get:7 http://kali.download/kali kali-rolling/non-free amd64 Contents (deb) [892 kB]
Get:8 http://kali.download/kali kali-rolling/non-free-firmware amd64 Packages [11.3 kB]
Get:9 http://kali.download/kali kali-rolling/non-free-firmware amd64 Contents (deb) [28.4 kB]
Fetched 72.8 MB in 10min 9s (120 kB/s)
1237 packages can be upgraded. Run 'apt list --upgradable' to see them.

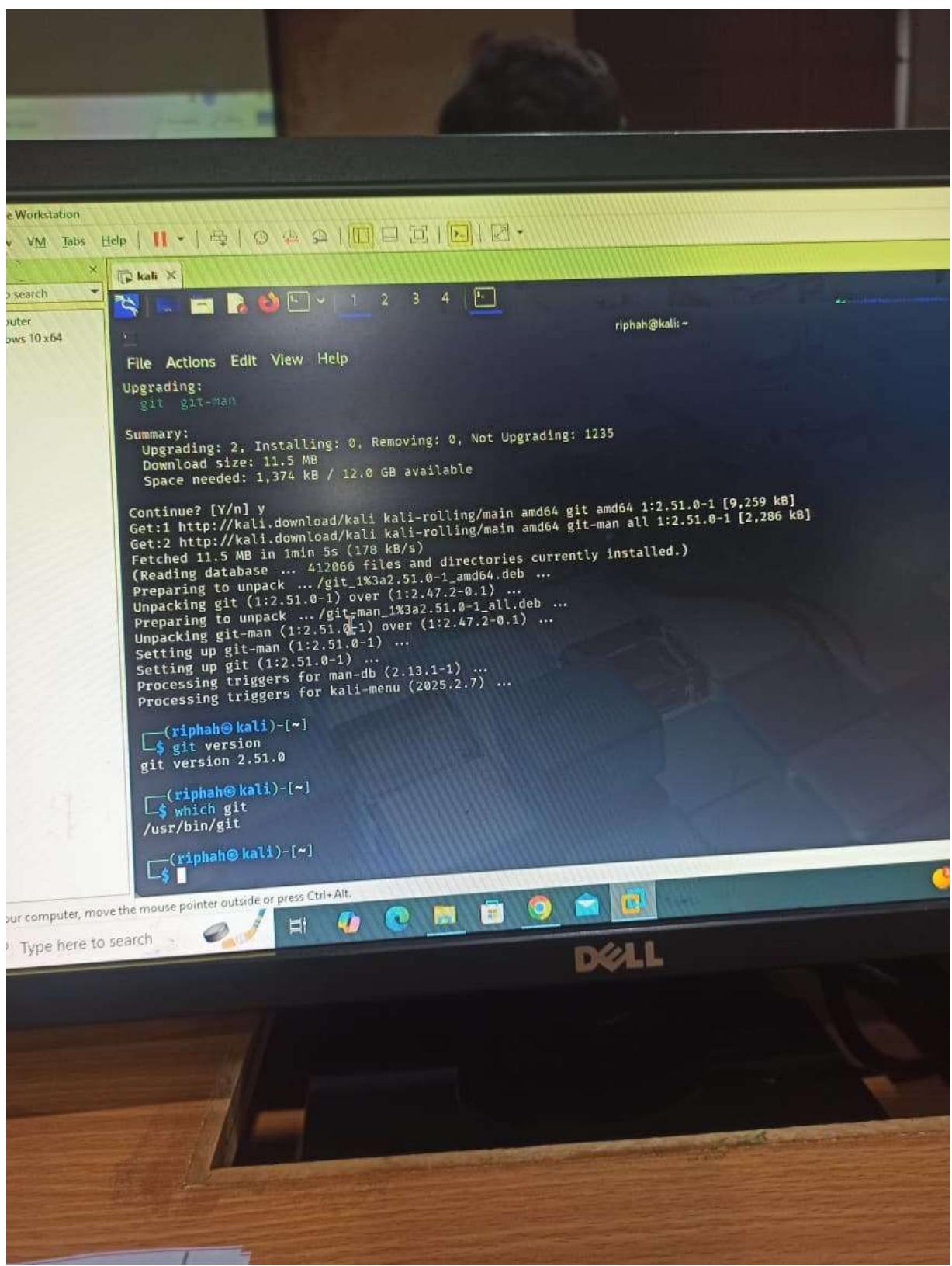
(riphah@kali)-[~]
$ sudo apt install git
Upgrading:
git git-man

Summary:
Upgrading: 2, Installing: 0, Removing: 0, Not Upgrading: 1235
Download size: 11.5 MB
Space needed: 1,374 kB / 12.0 GB available

Continue? [Y/n] y
Get:1 http://kali.download/kali kali-rolling/main amd64 git amd64 1:2.51.0-1 [9,259 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 git-man all 1:2.51.0-1 [2,286 kB]
```

The terminal window is part of a desktop environment with a green header bar. The desktop background is visible at the bottom, showing a wooden desk and a Dell logo.

Task 4 :

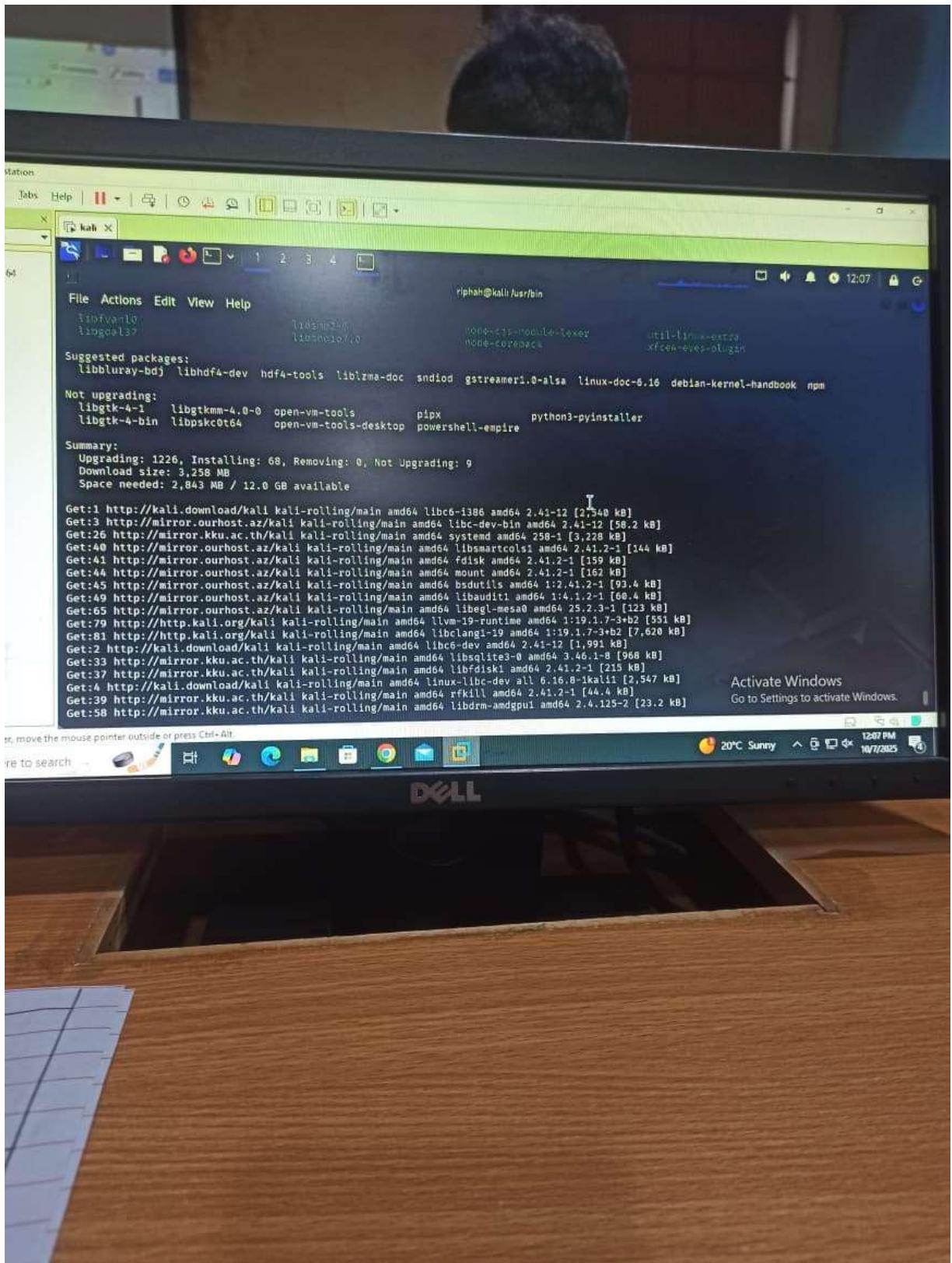


Task 5 :

```
(riphah㉿kali)-[~]
$ git version
git version 2.51.0
(riphah㉿kali)-[~]
$ which git
/usr/bin/git
(riphah㉿kali)-[~]
$ cd /usr/bin/git
cd: not a directory: /usr/bin/git
(riphah㉿kali)-[~]
$ cd /user/bin
cd: no such file or directory: /user/bin
(riphah㉿kali)-[~]
$ cd /usr/bin
(riphah㉿kali)-[/usr/bin]
$ ls
[...]
1password2john      kali-check-apt-sources      pse2john
2to3-2.7            kali-deprecated          pserv3
411toppm           kali-hidpi-mode          psfaddtable
7z                  kali-motd                psfgettable
7z2john             kali-setup               psfscriptable
7za                 kali-treecd             psfxtable
7zr                 kali-tweaks              psidtopgm
aa-enabled          kali-undercover         psk-crack
aa-exec             kali-winexec            psktool
```

Task 6 :

```
riphah@kali:/usr/bin
File Actions Edit View Help
getconf      paster3          virtualenv
get-edid     patator          vina
getent       patch            vmhgfs-fuse
getfacl      patchwork
getfattr     patgen
getkeycodes  pathchk
getmapdl    pavucontrol
getopt       pbibtex
gettext      pbmclean
gettext.sh   pbmlife
gftodvi     pbmmake
gftopk      pbmmask
gftype      pbmminkowski
ghostscript  pbmnoise
gids-tool   pbmpage
gle          pbmpscale
glftopnm   pbmreduce
gio         pbmtext
gio-querymodules pbmtextps
git         pbmto10x
git-receive-pack pbmto4425
git-shell   pbmtoascii
git-upload-archive pbmtoatk
git-upload-pack pbmtobbbnbg
glib-compile-schemas pbmtocis
gmake       pbmtocuum
gml2gv      pbmtodjvurle
gnome-disk-image-mounters pbmtoeansi
gnome-disks  pbmtoeppson
gnome-help   pbmtoescp2
gnome-keyring pbmtog3
gnome-keyring-3 pbmtogen
virtualenv
vina
vmhgfs-fuse
vmstat
vm-support
vmtoolsd
vmware-alias-import
vmware-checkvm
vmwareectrl
vmware-hgfsclient
vmware-namespace-cmd
vmware-rpctool
vmware-toolbox-cmd
vmware-user
vmware-user-suid-wrapper
vmware-vgauth-cmd
vmware-vmblock-fuse
vmware-xferlogs
vmmgfxctrl
vmx2john
vncconnect
vncpasswd
vncserver
vncviewer
voiphopper
vpe
vptovf
w
wafw00f
wall
wamp
wapiti
```



```
ubuntu 22 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Activities Terminal 12:25 اكتوبر 7
vboxuser@ubuntu: ~/lab7
root@ubuntu:/usr/bin
vboxuser@ubuntu:~/.lab7
vboxuser@ubuntu:~/lab7$ nano even_odd.c
vboxuser@ubuntu:~/lab7$ gcc even_odd.c -o even_odd
even_odd.c:10:1: fatal error: stdio.h: No such file or directory
  1 | #include<stdio.h>
   |
compilation terminated.
vboxuser@ubuntu:~/lab7$ nano even_odd.c
vboxuser@ubuntu:~/lab7$ gcc even_odd.c -o even_odd
even_odd.c: In function 'main':
even_odd.c:10:1: warning: implicit declaration of function 'print'; did you mean 'printf'? [-Wimplicit-function-declaration]
  10 | print ("%d is odd.\n",num);
   |
   | printf
/usr/bin/ld: /tmp/ccfgyL3s.o: in function 'main':
even_odd.c:(.text+0x84): undefined reference to 'print'
collect2: error: ld returned 1 exit status
bash: ./even_odd: No such file or directory
vboxuser@ubuntu:~/lab7$ nano even_odd.c
vboxuser@ubuntu:~/lab7$ gcc even_odd.c -o even_odd
vboxuser@ubuntu:~/lab7$ ./even_odd
Enter a number : 6
6 is even.
vboxuser@ubuntu:~/lab7$
```

