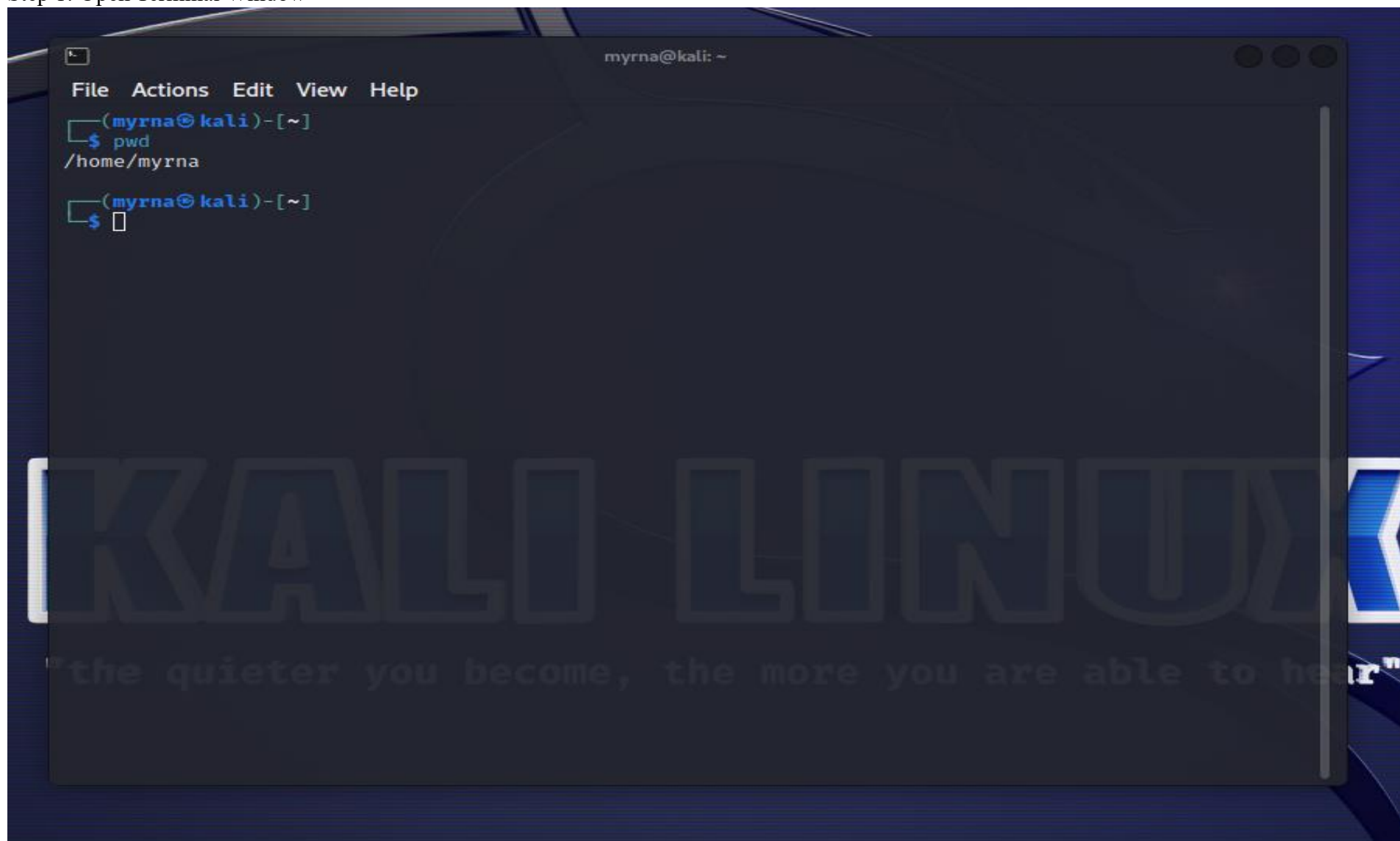


Myrna Santiago

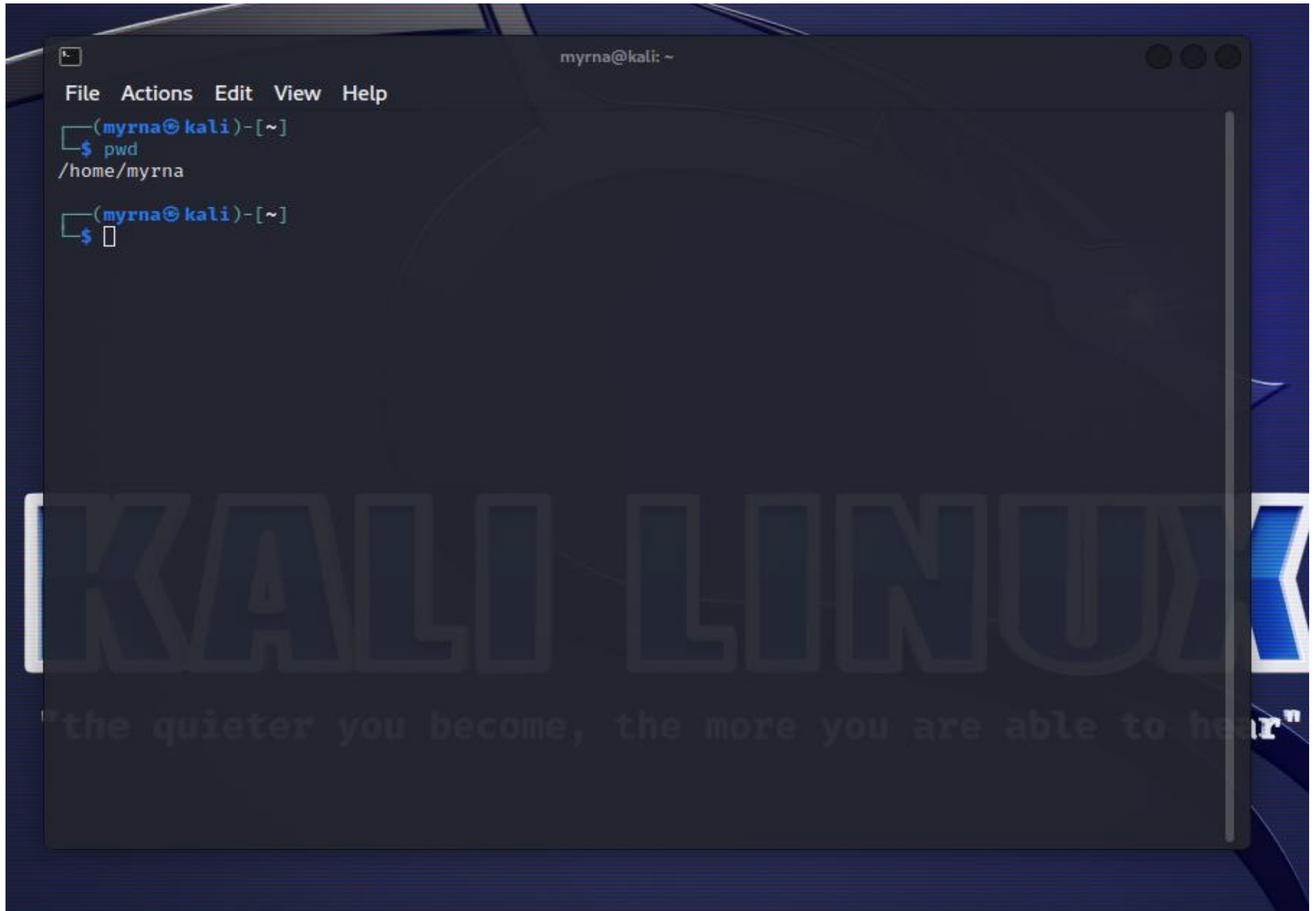
9/12/2023

CYSE 270

Step 1: Open Terminal Window



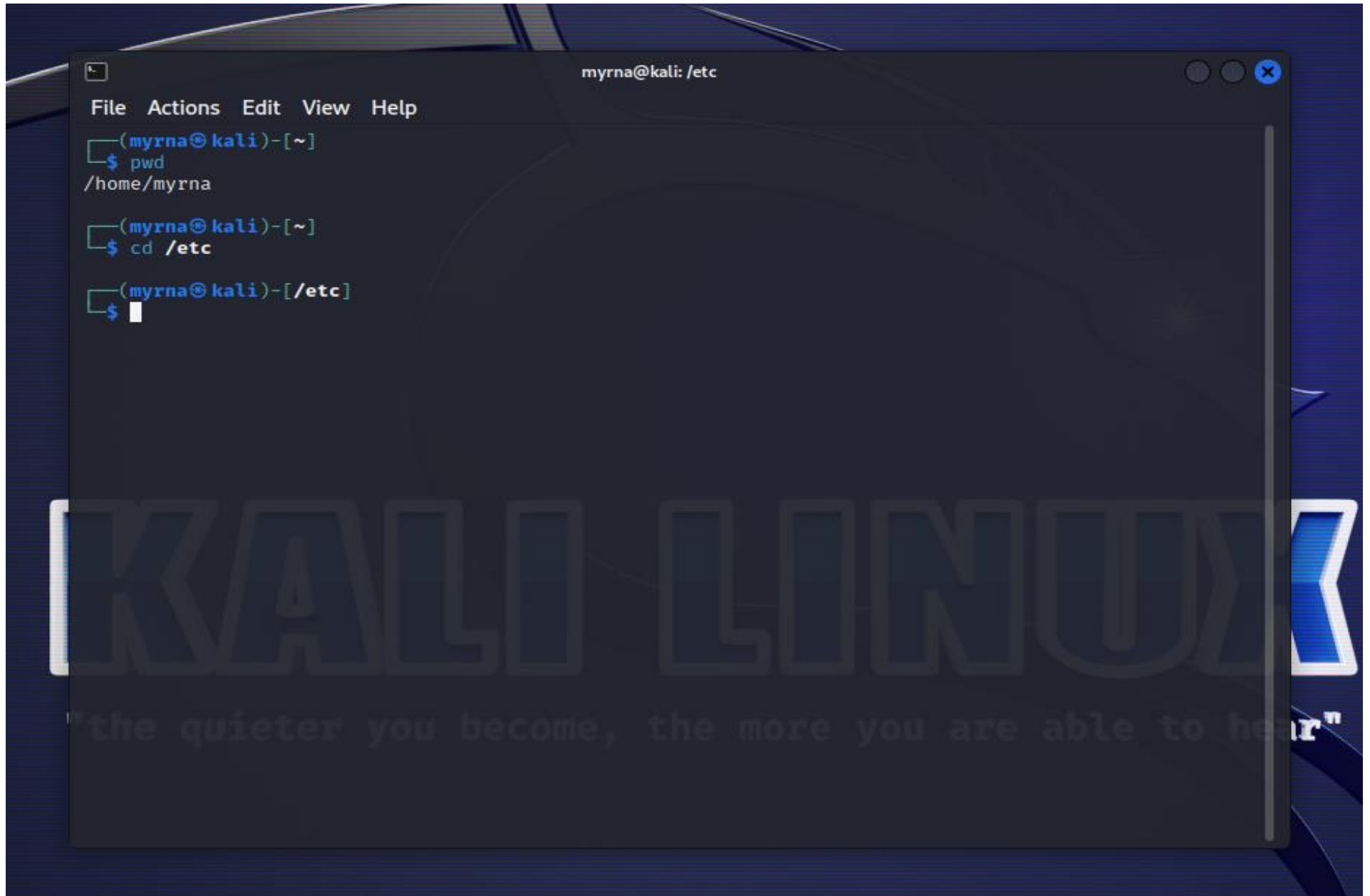
Step 2: Display your current working directory.



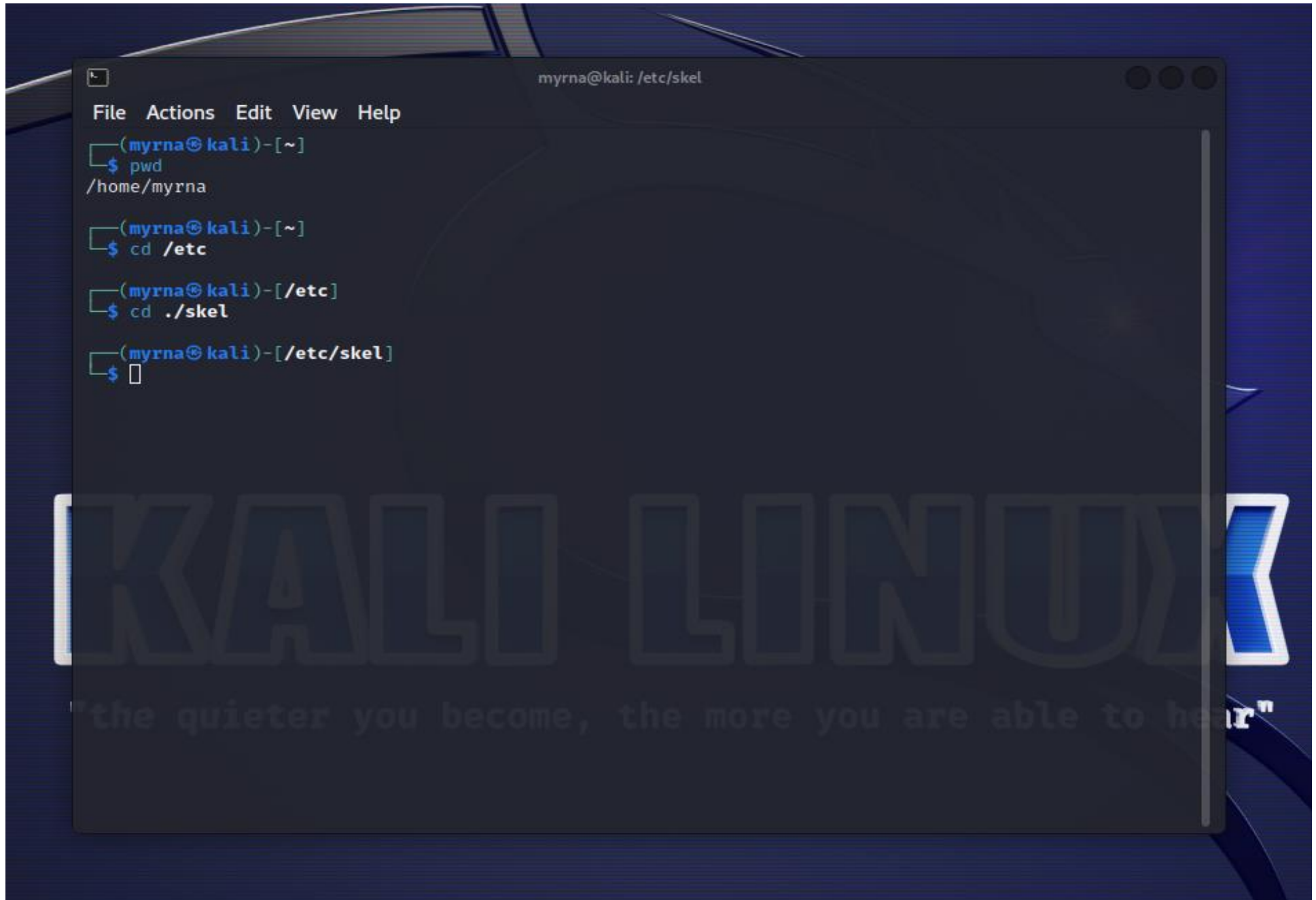
A terminal window titled "myrna@kali: ~" with a menu bar containing "File", "Actions", "Edit", "View", and "Help". The terminal shows the command "pwd" being executed, resulting in the output "/home/myrna". The prompt "(myrna@kali)-[~]" is visible before and after the command. A large, semi-transparent "KALI LINUX" watermark is overlaid on the terminal window.

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

Step 3: Using an absolute pathname, switch to the /etc directory.

A terminal window titled 'myrna@kali: /etc' is shown. The window has a menu bar with 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal output shows three commands: 'pwd' returns '/home/myrna', 'cd /etc' changes the directory, and the prompt now shows '[/etc]'. The background of the terminal window features a large, stylized 'KALI LINUX' logo and the quote 'the quieter you become, the more you are able to hear'.

Step 4: Using a relative pathname, move to the /etc/skel directory.

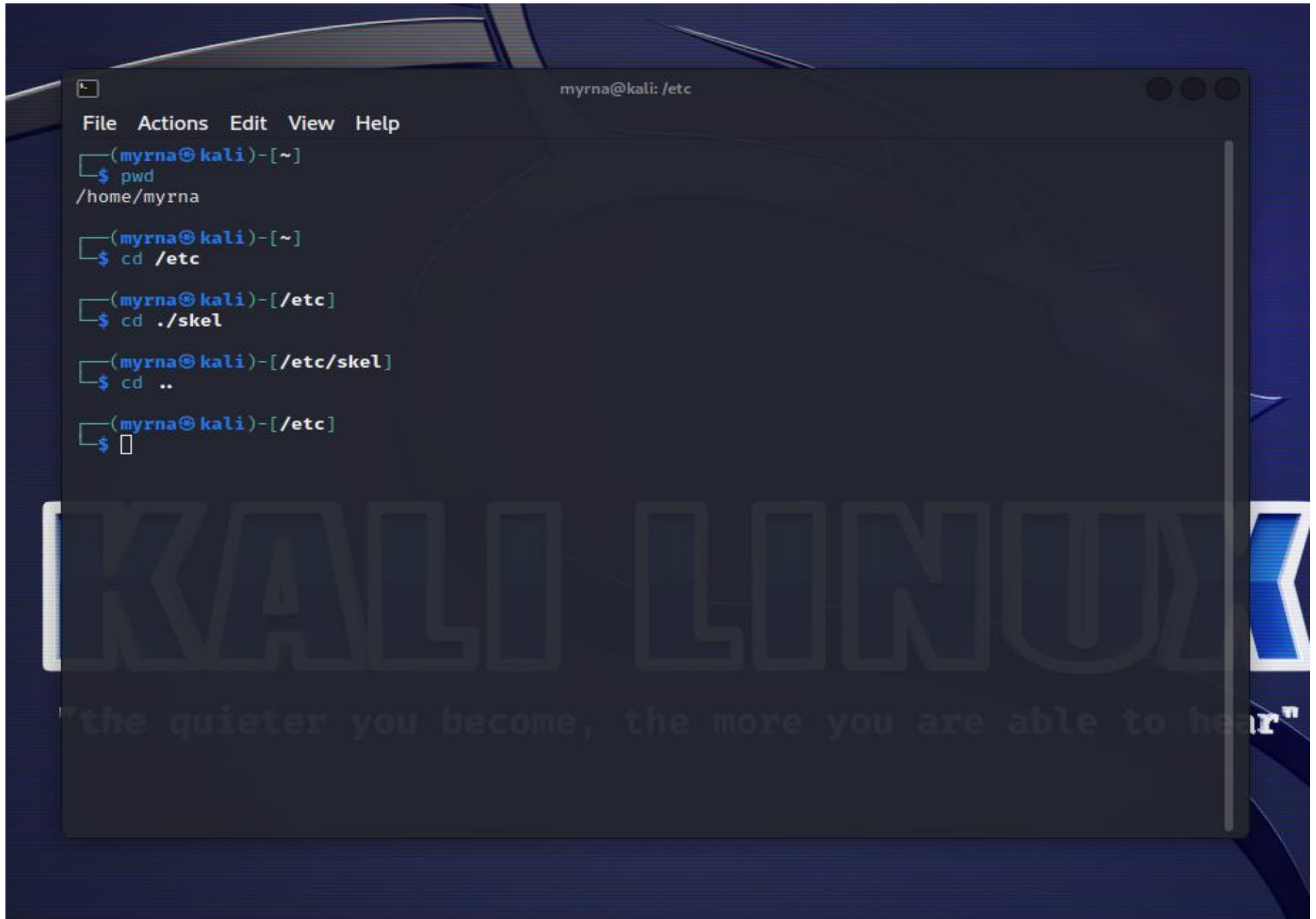


A terminal window titled "myrna@kali: /etc/skel" is shown against a Kali Linux desktop background. The window has a menu bar with "File", "Actions", "Edit", "View", and "Help". The terminal output shows the following sequence of commands and responses:

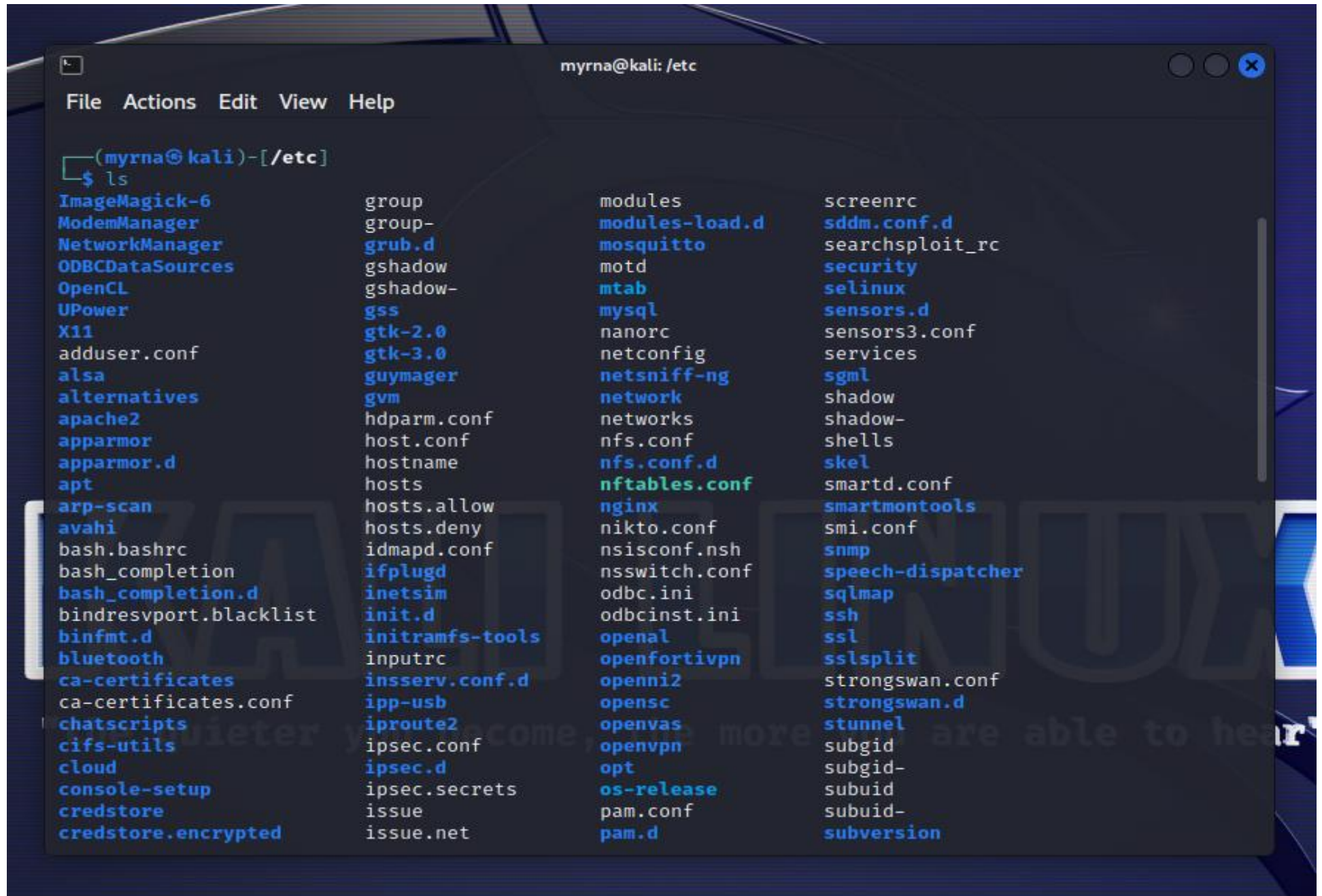
```
(myrna@kali)-[~]  
$ pwd  
/home/myrna  
  
(myrna@kali)-[~]  
$ cd /etc  
  
(myrna@kali)-[/etc]  
$ cd ./skel  
  
(myrna@kali)-[/etc/skel]  
$
```

The background features the Kali Linux logo and the quote "the quieter you become, the more you are able to hear".

Step 5: Using a relative pathname, move up one directory.

A terminal window titled 'myrna@kali: /etc' with a menu bar (File, Actions, Edit, View, Help). The terminal shows a sequence of commands and their outputs: 1. Prompt: (myrna@kali)-[~], Command: pwd, Output: /home/myrna. 2. Prompt: (myrna@kali)-[~], Command: cd /etc. 3. Prompt: (myrna@kali)-[/etc], Command: cd ./skel. 4. Prompt: (myrna@kali)-[/etc/skel], Command: cd .., Output: (myrna@kali)-[/etc]. 5. Prompt: (myrna@kali)-[/etc], Command: (empty), Output: (empty). The background features a large 'KALI LINUX' watermark and the quote 'the quieter you become, the more you are able to hear'.

Step 6.1 and 6.2: List the files in the current directory.



A terminal window titled "myrna@kali: /etc" displays the output of the "ls" command. The window has a menu bar with "File", "Actions", "Edit", "View", and "Help". The terminal prompt is "(myrna@kali)-[/etc]" and the command entered is "\$ ls". The output is a long list of files and directories in the /etc directory, arranged in four columns. The files include configuration files, system files, and user-specific files. The list is as follows:

ImageMagick-6	group	modules	screenrc
ModemManager	group-	modules-load.d	sddm.conf.d
NetworkManager	grub.d	mosquitto	searchsploit_rc
ODBCDataSources	gshadow	motd	security
OpenCL	gshadow-	mtab	selinux
UPower	gss	mysql	sensors.d
X11	gtk-2.0	nanorc	sensors3.conf
adduser.conf	gtk-3.0	netconfig	services
alsa	guymager	netsniff-ng	sgml
alternatives	gvm	network	shadow
apache2	hdparm.conf	networks	shadow-
apparmor	host.conf	nfs.conf	shells
apparmor.d	hostname	nfs.conf.d	skel
apt	hosts	nftables.conf	smartd.conf
arp-scan	hosts.allow	nginx	smartmontools
avahi	hosts.deny	nikto.conf	smi.conf
bash.bashrc	idmapd.conf	nsisconf.nsh	snmp
bash_completion	ifplugd	nsswitch.conf	speech-dispatcher
bash_completion.d	inetsim	odbc.ini	sqlmap
bindresvport.blacklist	init.d	odbcinst.ini	ssh
binfmt.d	initramfs-tools	openal	ssl
bluetooth	inputrc	openfortivpn	sslsplit
ca-certificates	insserv.conf.d	openni2	strongswan.conf
ca-certificates.conf	ipp-usb	opensc	strongswan.d
chatscripts	iproute2	openvas	stunnel
cifs-utils	ipsec.conf	openvpn	subgid
cloud	ipsec.d	opt	subgid-
console-setup	ipsec.secrets	os-release	subuid
credstore	issue	pam.conf	subuid-
credstore.encrypted	issue.net	pam.d	subversion

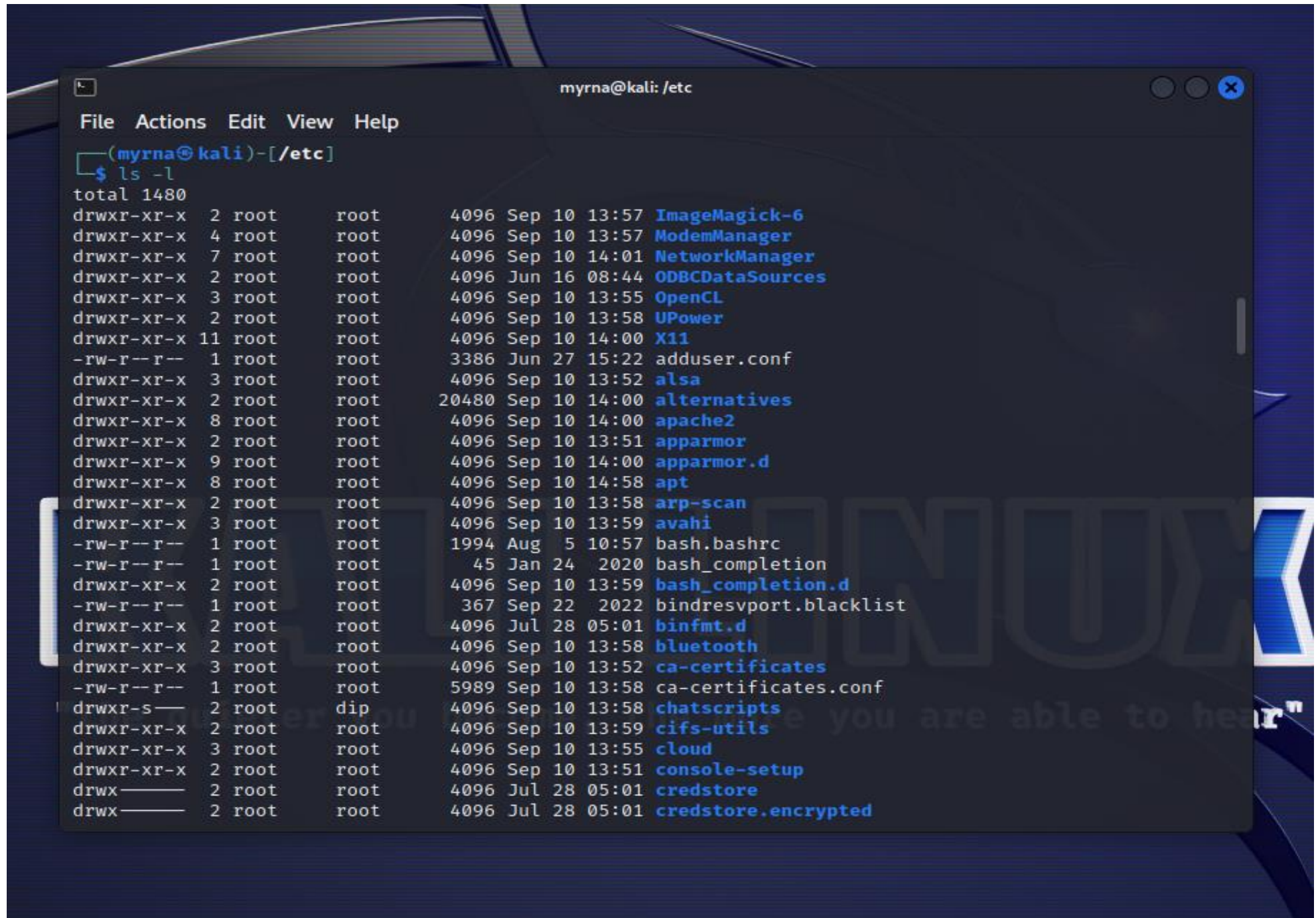
```
myrna@kali: /etc

File Actions Edit View Help

debconf.conf      libaudit.conf     profile.d          tightvncserver.conf
debian_version    libblockdev        protocols          timezone
debtags           libccid_Info.plist proxychains4.conf timidity
default          libibverbs.d       pulse             tmpfiles.d
deluser.conf      libnl-3            python2.7          ts.conf
dhcp             libpaper.d         python3            ucf.conf
dictionaries-common lightdm            python3.11         udev
dns2tcpd.conf    lighttpd           radcli            udisks2
doc-base         locale.alias       rc0.d             ufw
dpkg             locale.conf        rc1.d             update-motd.d
e2scrub.conf     locale.gen         rc2.d             updatedb.conf
emacs            localtime          rc3.d             usb_modeswitch.conf
environment      logcheck           rc4.d             usb_modeswitch.d
environment.d     login.defs         rc5.d             vconsole.conf
ethertypes       logrotate.conf    rc6.d             vdpau_wrapper.cfg
ettercap          logrotate.d        rcS.d             vim
firebird         macchanger         reader.conf.d     vpnc
firefox-esr      machine-id         rearj.cfg         vulkan
fonts            magic              redis              wgetrc
freetds          magic.mime         redsocks.conf     wireshark
fstab            mailcap            request-key.conf  wpa_supplicant
fuse.conf        mailcap.order     request-key.d     xattr.conf
gai.conf         manpath.config    resolver          xdg
geoclue          matplotlibrc      rmt               xfce4
ghostscript      mime.types        rpc               xl2tpd
glvnd            minicom           runit             xml
gnome-system-tools miredo            samba             xrdp
gophish          miredo.conf       sane.d            zsh
gprofng.rc       mke2fs.conf       scalpel           zsh_command_not_found
groff            modprobe.d

(myrna@kali)-[/etc]
$
```


Step 7.1 & 7.2: Perform a “long display” listing of the files in the current directory.



A terminal window titled "myrna@kali: /etc" displays the output of the command `ls -l`. The window has a menu bar with "File", "Actions", "Edit", "View", and "Help". The terminal output shows a long listing of files and directories in the /etc directory, including permissions, owner, group, size, date, time, and filename. The files are listed in alphabetical order. The output is as follows:

```
(myrna@kali)-[/etc]
$ ls -l
total 1480
drwxr-xr-x  2 root    root    4096 Sep 10 13:57 ImageMagick-6
drwxr-xr-x  4 root    root    4096 Sep 10 13:57 ModemManager
drwxr-xr-x  7 root    root    4096 Sep 10 14:01 NetworkManager
drwxr-xr-x  2 root    root    4096 Jun 16 08:44 ODBCDataSources
drwxr-xr-x  3 root    root    4096 Sep 10 13:55 OpenCL
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 UPower
drwxr-xr-x 11 root    root    4096 Sep 10 14:00 X11
-rw-r--r--  1 root    root    3386 Jun 27 15:22 adduser.conf
drwxr-xr-x  3 root    root    4096 Sep 10 13:52 alsa
drwxr-xr-x  2 root    root   20480 Sep 10 14:00 alternatives
drwxr-xr-x  8 root    root    4096 Sep 10 14:00 apache2
drwxr-xr-x  2 root    root    4096 Sep 10 13:51 apparmor
drwxr-xr-x  9 root    root    4096 Sep 10 14:00 apparmor.d
drwxr-xr-x  8 root    root    4096 Sep 10 14:58 apt
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 arp-scan
drwxr-xr-x  3 root    root    4096 Sep 10 13:59 avahi
-rw-r--r--  1 root    root    1994 Aug  5 10:57 bash.bashrc
-rw-r--r--  1 root    root      45 Jan 24  2020 bash_completion
drwxr-xr-x  2 root    root    4096 Sep 10 13:59 bash_completion.d
-rw-r--r--  1 root    root     367 Sep 22  2022 bindresvport.blacklist
drwxr-xr-x  2 root    root    4096 Jul 28 05:01 binfmt.d
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 bluetooth
drwxr-xr-x  3 root    root    4096 Sep 10 13:52 ca-certificates
-rw-r--r--  1 root    root   5989 Sep 10 13:58 ca-certificates.conf
drwxr-s---  2 root    dip     4096 Sep 10 13:58 chatscripts
drwxr-xr-x  2 root    root    4096 Sep 10 13:59 cifs-utils
drwxr-xr-x  3 root    root    4096 Sep 10 13:55 cloud
drwxr-xr-x  2 root    root    4096 Sep 10 13:51 console-setup
drwx----- 2 root    root    4096 Jul 28 05:01 credstore
drwx----- 2 root    root    4096 Jul 28 05:01 credstore.encrypted
```



```
myrna@kali: /etc

File  Actions  Edit  View  Help

drwxr-xr-x  3 root    root    4096 Sep 10 14:00 theHarvester
-rw-r--r--  1 root    root    1493 Feb  9 2023 tightvncserver.conf
-rw-r--r--  1 root    root      11 Sep 10 13:50 timezone
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 timidity
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 tmpfiles.d
-rw-r--r--  1 root    root     938 Sep  9 2019 ts.conf
-rw-r--r--  1 root    root    1260 Jan 27 2023 ucf.conf
drwxr-xr-x  4 root    root    4096 Sep 10 13:50 udev
drwxr-xr-x  2 root    root    4096 Sep 10 14:00 udisks2
drwxr-xr-x  3 root    root    4096 Sep 10 13:52 ufw
drwxr-xr-x  2 root    root    4096 Sep 10 13:50 update-motd.d
-rw-r--r--  1 root    root     583 Nov 21 2022 updatedb.conf
-rw-r--r--  1 root    root    1523 May 31 2022 usb_modeswitch.conf
drwxr-xr-x  2 root    root    4096 Apr 11 2022 usb_modeswitch.d
lrwxrwxrwx  1 root    root      16 Sep 10 13:50 vconsole.conf → default/keyboard
-rw-r--r--  1 root    root     51 Mar  7 2022 vdpau_wrapper.cfg
drwxr-xr-x  2 root    root    4096 Sep 10 13:50 vim
drwx----- 2 root    root    4096 Sep 10 13:59 vpnc
drwxr-xr-x  5 root    root    4096 Sep 10 13:53 vulkan
-rw-r--r--  1 root    root    4942 May 14 2022 wgetrc
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 wireshark
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 wpa_supplicant
-rw-r--r--  1 root    root     681 Jan 17 2023 xattr.conf
drwxr-xr-x 16 root    root    4096 Sep 10 14:00 xdg
drwxr-xr-x  2 root    root    4096 Sep 10 14:00 xfce4
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 xl2tpd
drwxr-xr-x  2 root    root    4096 Sep 10 14:01 xml
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 xrdp
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 zsh
-rw-r--r--  1 root    root     460 Jan 20 2023 zsh_command_not_found

(myrna@kali)-[/etc]
$
```

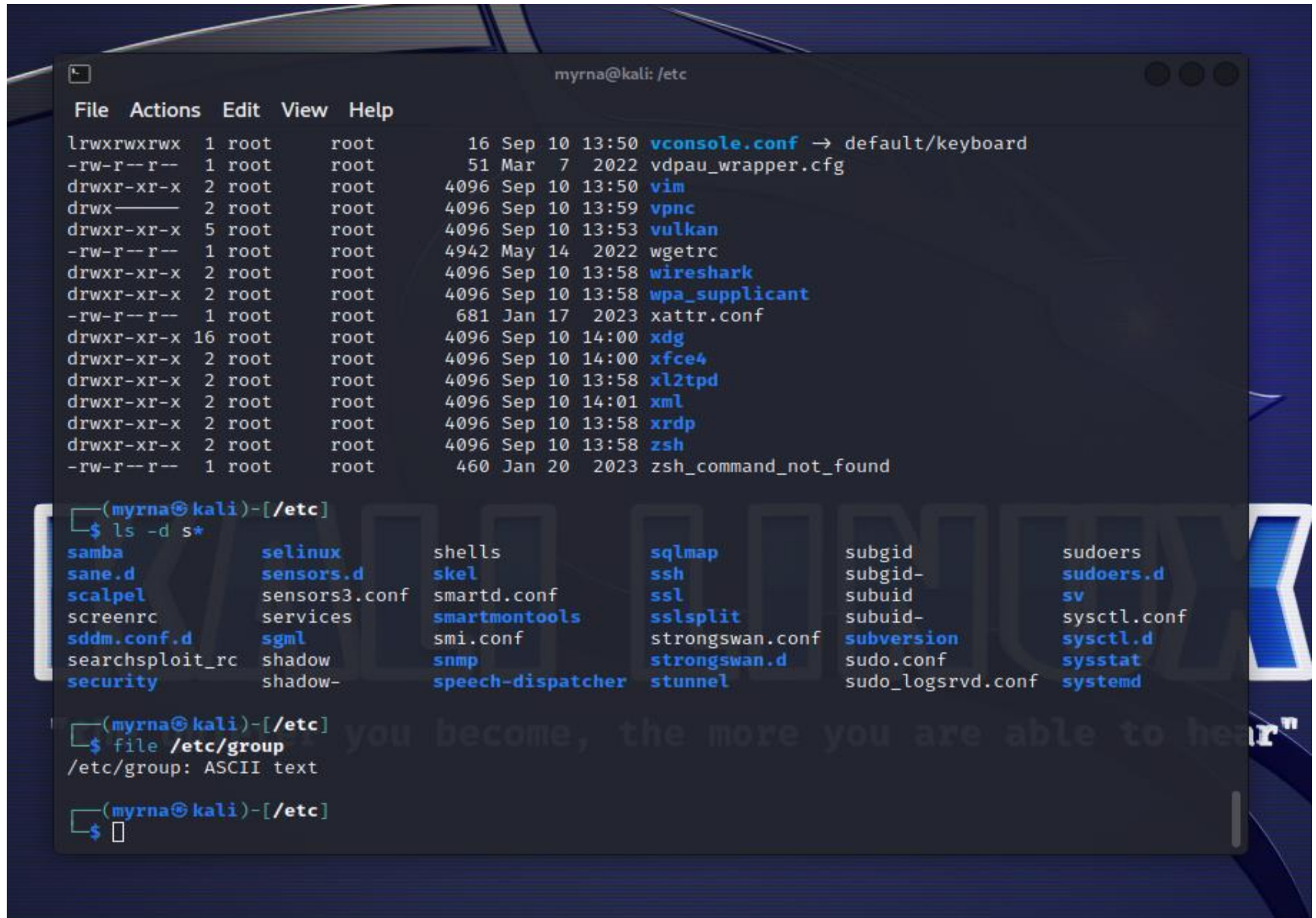
Step 8: List all the files in the current directory that begin with the letter s.

```
myrna@kali: /etc

File  Actions  Edit  View  Help
drwxr-xr-x  2 root    root    4096 Sep 10 13:50 update-motd.d
-rw-r--r--  1 root    root    583 Nov 21 2022 updatedb.conf
-rw-r--r--  1 root    root   1523 May 31 2022 usb_modeswitch.conf
drwxr-xr-x  2 root    root    4096 Apr 11 2022 usb_modeswitch.d
lrwxrwxrwx  1 root    root     16 Sep 10 13:50 vconsole.conf → default/keyboard
-rw-r--r--  1 root    root     51 Mar  7 2022 vdpau_wrapper.cfg
drwxr-xr-x  2 root    root    4096 Sep 10 13:50 vim
drwx----- 2 root    root    4096 Sep 10 13:59 vpnc
drwxr-xr-x  5 root    root    4096 Sep 10 13:53 vulkan
-rw-r--r--  1 root    root   4942 May 14 2022 wgetrc
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 wireshark
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 wpa_supplicant
-rw-r--r--  1 root    root    681 Jan 17 2023 xattr.conf
drwxr-xr-x 16 root    root    4096 Sep 10 14:00 xdg
drwxr-xr-x  2 root    root    4096 Sep 10 14:00 xfce4
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 xl2tpd
drwxr-xr-x  2 root    root    4096 Sep 10 14:01 xml
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 xrdp
drwxr-xr-x  2 root    root    4096 Sep 10 13:58 zsh
-rw-r--r--  1 root    root    460 Jan 20 2023 zsh_command_not_found

(myrna@kali)-[/etc]
$ ls -d s*
samba          selinux        shells          sqlmap          subgid          sudoers
sane.d          sensors.d      skel            ssh             subgid-        sudoers.d
scalpel         sensors3.conf smartd.conf     ssl            subuid         sv
screenrc       services      smartmontools  sslsplit        subuid-        sysctl.conf
sddm.conf.d    sgml           smi.conf       strongswan.conf subversion     sysctl.d
searchsploit_rc shadow         snmp            strongswan.d   sudo.conf      sysstat
security       shadow-       speech-dispatcher stunnel        sudo_logsrvd.conf systemd
```


Step 9: Run the command that will determine the type of contents in the /etc/group file.



A terminal window titled "myrna@kali: /etc" displays a long list of files with their permissions, owners, and modification dates. The files listed include vconsole.conf, vdpau_wrapper.cfg, vim, vpnc, vulkan, wgetrc, wireshark, wpa_supplicant, xattr.conf, xdg, xfce4, xl2tpd, xml, xrdp, zsh, and zsh_command_not_found. Below this list, the user runs the command "ls -d s*", which shows a grid of files and directories starting with 's'. The files include samba, sane.d, scalpel, screenrc, sddm.conf.d, searchsploit_rc, security, selinux, sensors.d, sensors3.conf, services, sgml, shadow, shadow-, shells, skel, smartd.conf, smartmontools, smi.conf, snmp, speech-dispatcher, sqlmap, ssh, ssl, sslsplit, strongswan.conf, strongswan.d, stunnel, subgid, subgid-subuid, subuid-subuid, subversion, sudo.conf, sudo_logsrvd.conf, sudoers, sudoers.d, sv, sysctl.conf, sysctl.d, sysstat, and systemd. Finally, the user runs the command "file /etc/group", which returns the output "/etc/group: ASCII text".

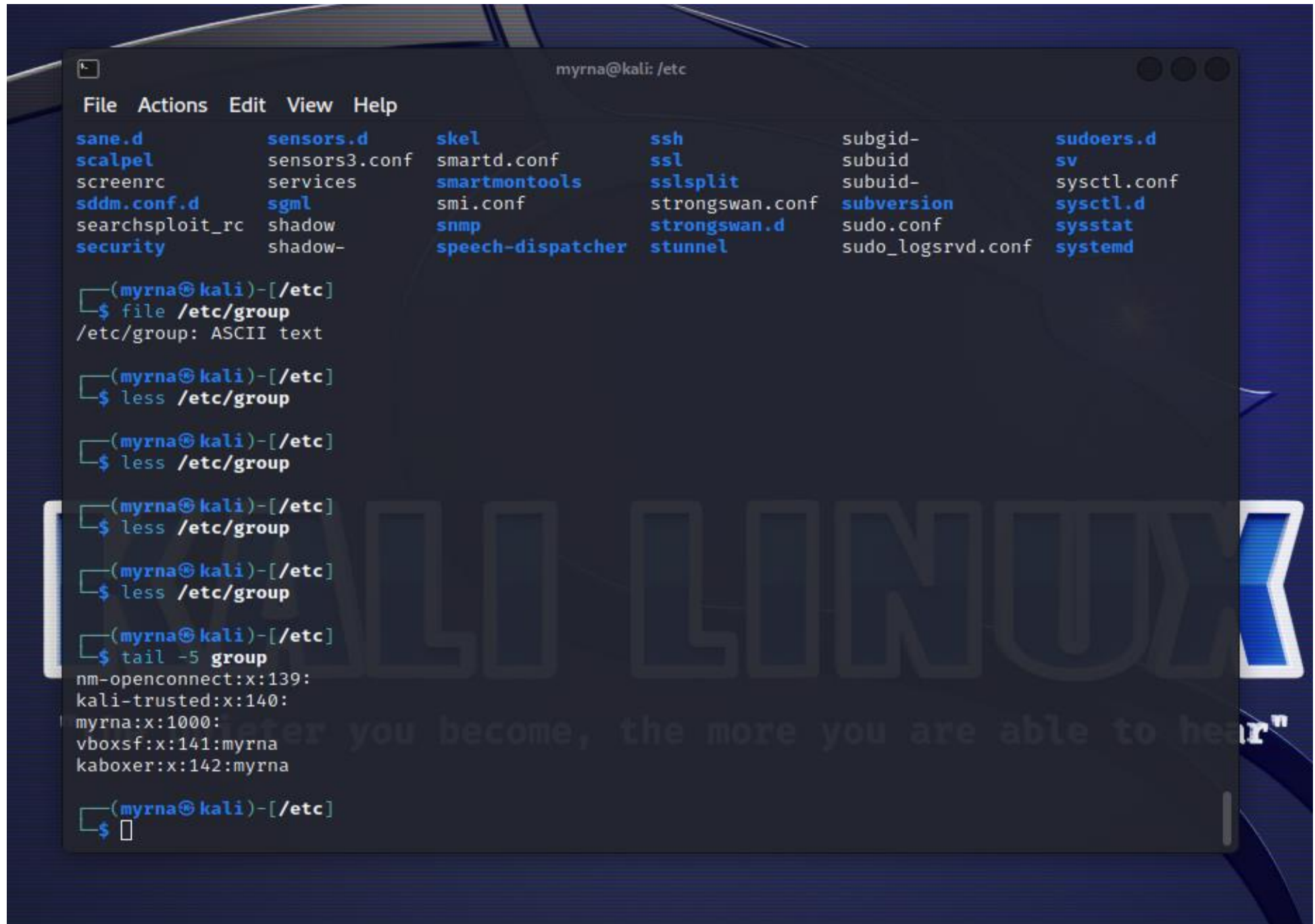
```
myrna@kali: /etc
File Actions Edit View Help
lrwxrwxrwx 1 root root 16 Sep 10 13:50 vconsole.conf → default/keyboard
-rw-r--r-- 1 root root 51 Mar 7 2022 vdpau_wrapper.cfg
drwxr-xr-x 2 root root 4096 Sep 10 13:50 vim
drwx----- 2 root root 4096 Sep 10 13:59 vpnc
drwxr-xr-x 5 root root 4096 Sep 10 13:53 vulkan
-rw-r--r-- 1 root root 4942 May 14 2022 wgetrc
drwxr-xr-x 2 root root 4096 Sep 10 13:58 wireshark
drwxr-xr-x 2 root root 4096 Sep 10 13:58 wpa_supplicant
-rw-r--r-- 1 root root 681 Jan 17 2023 xattr.conf
drwxr-xr-x 16 root root 4096 Sep 10 14:00 xdg
drwxr-xr-x 2 root root 4096 Sep 10 14:00 xfce4
drwxr-xr-x 2 root root 4096 Sep 10 13:58 xl2tpd
drwxr-xr-x 2 root root 4096 Sep 10 14:01 xml
drwxr-xr-x 2 root root 4096 Sep 10 13:58 xrdp
drwxr-xr-x 2 root root 4096 Sep 10 13:58 zsh
-rw-r--r-- 1 root root 460 Jan 20 2023 zsh_command_not_found

(myrna@kali)-[/etc]
$ ls -d s*
samba      selinux    shells      sqlmap      subgid      sudoers
sane.d     sensors.d  skel        ssh          subgid-     sudoers.d
scalpel    sensors3.conf smartd.conf ssl          subgid-     sv
screenrc   services  smartmontools sslsplit    subuid-     sysctl.conf
sddm.conf.d sgml       smi.conf   strongswan.conf subversion  sysctl.d
searchsploit_rc shadow     snmp       strongswan.d sudo.conf   sysstat
security   shadow-   speech-dispatcher stunnel    sudo_logsrvd.conf systemd

(myrna@kali)-[/etc]
$ file /etc/group
/etc/group: ASCII text

(myrna@kali)-[/etc]
$
```

Step 10: Display only the last 5 lines of the /etc/group file



A terminal window titled "myrna@kali: /etc" displays a grid of files in the /etc directory. The files are: sane.d, sensors.d, skel, ssh, subgid-, sudoers.d, scalpel, sensors3.conf, smartd.conf, ssl, subuid, sv, screenrc, services, smartmontools, sslsplit, subuid-, sysctl.conf, sddm.conf.d, sgml, smi.conf, strongswan.conf, subversion, sysctl.d, searchsploit_rc, shadow, snmp, strongswan.d, sudo.conf, sysstat, security, shadow-, speech-dispatcher, stunnel, and sudo_logsrvd.conf. Below the grid, the user enters several commands: "file /etc/group" (output: ASCII text), "less /etc/group" (executed three times), and "tail -5 group" (output: nm-openconnect:x:139:, kali-trusted:x:140:, myrna:x:1000:, vboxsf:x:141:myrna, kaboxer:x:142:myrna). The prompt "\$" is shown at the bottom.

```
myrna@kali: /etc

File  Actions  Edit  View  Help

sane.d      sensors.d  skel       ssh       subgid-    sudoers.d
scalpel     sensors3.conf smartd.conf ssl       subuid     sv
screenrc    services  smartmontools sslsplit   subuid-    sysctl.conf
sddm.conf.d sgml       smi.conf   strongswan.conf subversion  sysctl.d
searchsploit_rc shadow     snmp       strongswan.d sudo.conf   sysstat
security    shadow-   speech-dispatcher stunnel    sudo_logsrvd.conf systemd

(myrna@kali)-[/etc]
$ file /etc/group
/etc/group: ASCII text

(myrna@kali)-[/etc]
$ less /etc/group

(myrna@kali)-[/etc]
$ less /etc/group

(myrna@kali)-[/etc]
$ less /etc/group

(myrna@kali)-[/etc]
$ less /etc/group

(myrna@kali)-[/etc]
$ tail -5 group
nm-openconnect:x:139:
kali-trusted:x:140:
myrna:x:1000:
vboxsf:x:141:myrna
kaboxer:x:142:myrna

(myrna@kali)-[/etc]
$
```


Step 11: Execute the command to return to your home directory.

A terminal window titled 'myrna@kali: ~' with a menu bar (File, Actions, Edit, View, Help). The terminal shows a series of commands and their outputs. The user is in the /etc directory and uses 'file /etc/group' to check the file type, then 'less /etc/group' to view its contents. After exiting 'less', they use 'tail -5 group' to see the last five lines of the file, which list system users. Finally, they use 'cd ~' to return to their home directory, which is confirmed by 'pwd' showing '/home/myrna'.

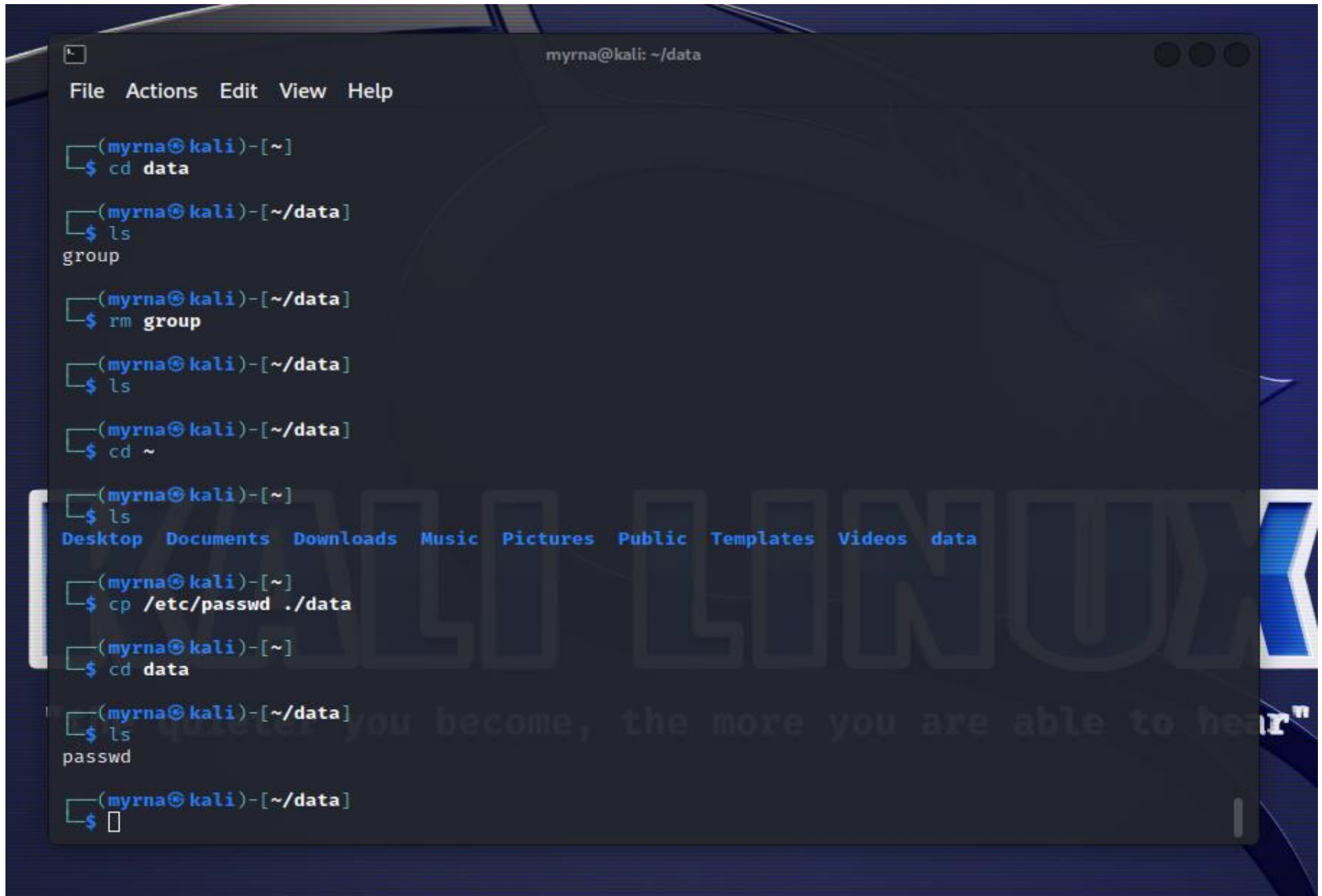
```
myrna@kali: ~  
File Actions Edit View Help  
(myrna@kali)-[/etc]  
$ file /etc/group  
/etc/group: ASCII text  
  
(myrna@kali)-[/etc]  
$ less /etc/group  
  
(myrna@kali)-[/etc]  
$ less /etc/group  
  
(myrna@kali)-[/etc]  
$ less /etc/group  
  
(myrna@kali)-[/etc]  
$ less /etc/group  
  
(myrna@kali)-[/etc]  
$ tail -5 group  
nm-openconnect:x:139:  
kali-trusted:x:140:  
myrna:x:1000:  
vboxsf:x:141:myrna  
kaboxer:x:142:myrna  
  
(myrna@kali)-[/etc]  
$ cd ~  
  
(myrna@kali)-[~]  
$ pwd  
/home/myrna  
  
(myrna@kali)-[~]  
$
```

Step 12: Make a directory name data in the current directory.



```
myrna@kali: ~  
File Actions Edit View Help  
rm: cannot remove 'data': Is a directory  
  
(myrna@kali)-[~]  
$ rm [data]  
rm: cannot remove '[data]': Is a directory  
  
(myrna@kali)-[~]  
$ cd /[data]  
cd: no such file or directory: /[data]  
  
(myrna@kali)-[~]  
$ rm -r [data]  
  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data  
  
(myrna@kali)-[~]  
$ rm -r data  
  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos  
  
(myrna@kali)-[~]  
$ mkdir data  
  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data  
  
(myrna@kali)-[~]  
$
```

Step 13: Copy the /etc/passwd file into the data directory.



```
myrna@kali: ~/data
File Actions Edit View Help

(myrna@kali)-[~]
$ cd data

(myrna@kali)-[~/data]
$ ls
group

(myrna@kali)-[~/data]
$ rm group

(myrna@kali)-[~/data]
$ ls

(myrna@kali)-[~/data]
$ cd ~

(myrna@kali)-[~]
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos data

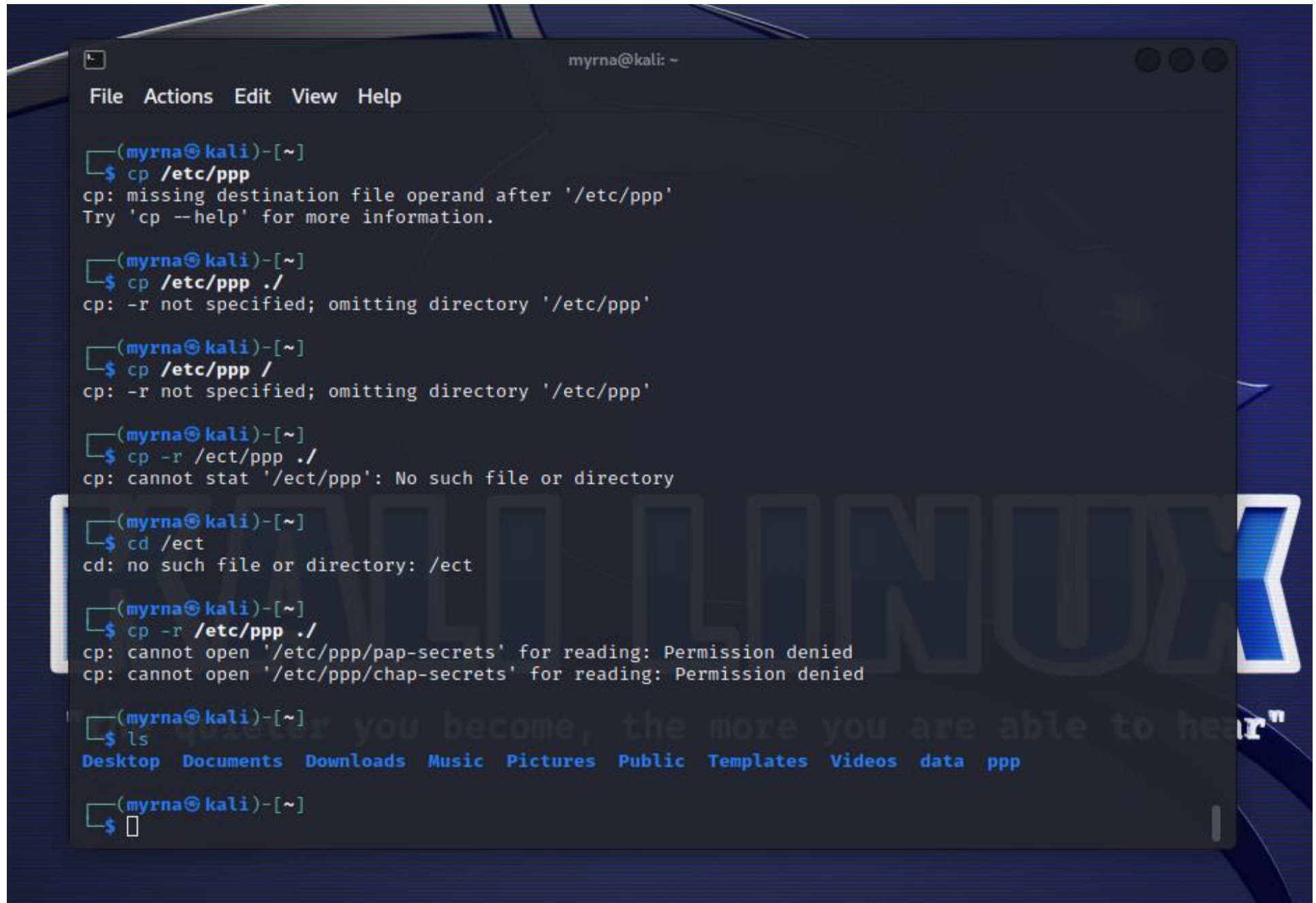
(myrna@kali)-[~]
$ cp /etc/passwd ./data

(myrna@kali)-[~]
$ cd data

(myrna@kali)-[~/data]
$ ls
passwd

(myrna@kali)-[~/data]
$
```

Step 14: Copy the /etc/ppp directory into the current directory (and ignore “any permission denied” error messages).

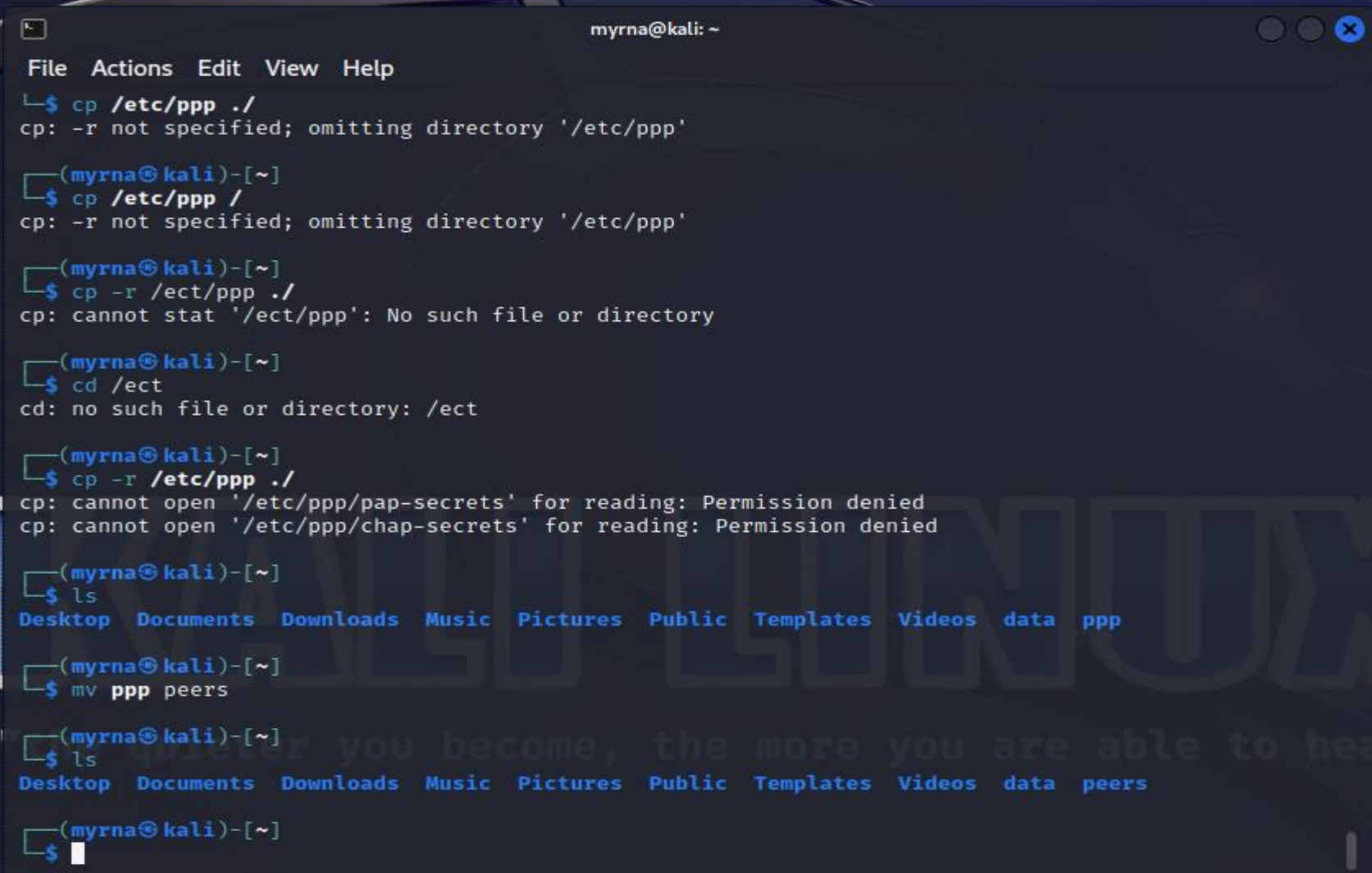


```
myrna@kali: ~  
File Actions Edit View Help  
  
(myrna@kali)-[~]  
$ cp /etc/ppp  
cp: missing destination file operand after '/etc/ppp'  
Try 'cp --help' for more information.  
  
(myrna@kali)-[~]  
$ cp /etc/ppp ./  
cp: -r not specified; omitting directory '/etc/ppp'  
  
(myrna@kali)-[~]  
$ cp /etc/ppp /  
cp: -r not specified; omitting directory '/etc/ppp'  
  
(myrna@kali)-[~]  
$ cp -r /ect/ppp ./  
cp: cannot stat '/ect/ppp': No such file or directory  
  
(myrna@kali)-[~]  
$ cd /ect  
cd: no such file or directory: /ect  
  
(myrna@kali)-[~]  
$ cp -r /etc/ppp ./  
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied  
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied  
  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data ppp  
  
(myrna@kali)-[~]  
$
```


Step 15: Rename the ppp directory that is located in the current directory to peers.

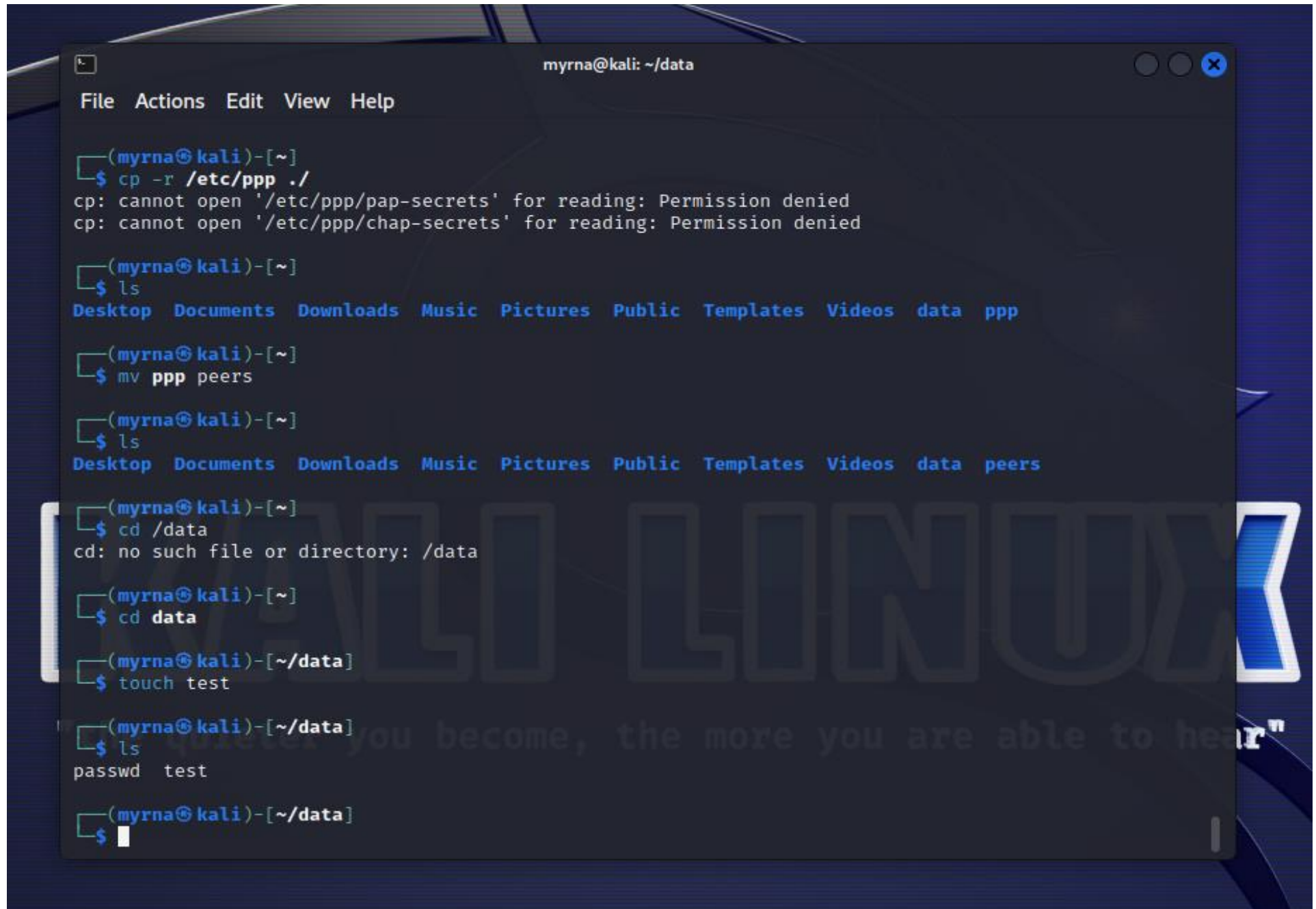
```
myrna@kali: ~  
File Actions Edit View Help  
└─$ cp /etc/ppp ./  
cp: -r not specified; omitting directory '/etc/ppp'  
  
└─(myrna@kali)-[~]  
└─$ cp /etc/ppp /  
cp: -r not specified; omitting directory '/etc/ppp'  
  
└─(myrna@kali)-[~]  
└─$ cp -r /ect/ppp ./  
cp: cannot stat '/ect/ppp': No such file or directory  
  
└─(myrna@kali)-[~]  
└─$ cd /ect  
cd: no such file or directory: /ect  
  
└─(myrna@kali)-[~]  
└─$ cp -r /etc/ppp ./  
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied  
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied  
  
└─(myrna@kali)-[~]  
└─$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data ppp  
  
└─(myrna@kali)-[~]  
└─$ mv ppp peers  
  
└─(myrna@kali)-[~]  
└─$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data peers  
  
└─(myrna@kali)-[~]  
└─$
```

Step 16: Execute the command (ls) to verify the change in the name of the directory.



```
myrna@kali: ~  
File Actions Edit View Help  
└─$ cp /etc/ppp ./  
cp: -r not specified; omitting directory '/etc/ppp'  
  
└─(myrna@kali)-[~]  
└─$ cp /etc/ppp /  
cp: -r not specified; omitting directory '/etc/ppp'  
  
└─(myrna@kali)-[~]  
└─$ cp -r /ect/ppp ./  
cp: cannot stat '/ect/ppp': No such file or directory  
  
└─(myrna@kali)-[~]  
└─$ cd /ect  
cd: no such file or directory: /ect  
  
└─(myrna@kali)-[~]  
└─$ cp -r /etc/ppp ./  
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied  
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied  
  
└─(myrna@kali)-[~]  
└─$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data ppp  
  
└─(myrna@kali)-[~]  
└─$ mv ppp peers  
  
└─(myrna@kali)-[~]  
└─$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data peers  
  
└─(myrna@kali)-[~]  
└─$
```

Step 17: Create a new empty file name test in the data directory.

A terminal window titled 'myrna@kali: ~/data' with a menu bar (File, Actions, Edit, View, Help). The terminal shows a series of commands and their outputs. First, 'cp -r /etc/ppp ./' is run, resulting in two 'Permission denied' messages for '/etc/ppp/pap-secrets' and '/etc/ppp/chap-secrets'. Then, 'ls' is run, showing a directory listing with 'data' and 'ppp'. Next, 'mv ppp peers' is run. Another 'ls' shows the updated listing with 'peers' instead of 'ppp'. Then, 'cd /data' is run, resulting in 'cd: no such file or directory: /data'. Finally, 'cd data' is run, changing the directory to '~/data'. A final 'ls' shows 'passwd' and 'test'. The prompt is now '\$' with a cursor.

```
myrna@kali: ~/data
File Actions Edit View Help

(myrna@kali)-[~]
$ cp -r /etc/ppp ./
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied

(myrna@kali)-[~]
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos data ppp

(myrna@kali)-[~]
$ mv ppp peers

(myrna@kali)-[~]
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos data peers

(myrna@kali)-[~]
$ cd /data
cd: no such file or directory: /data

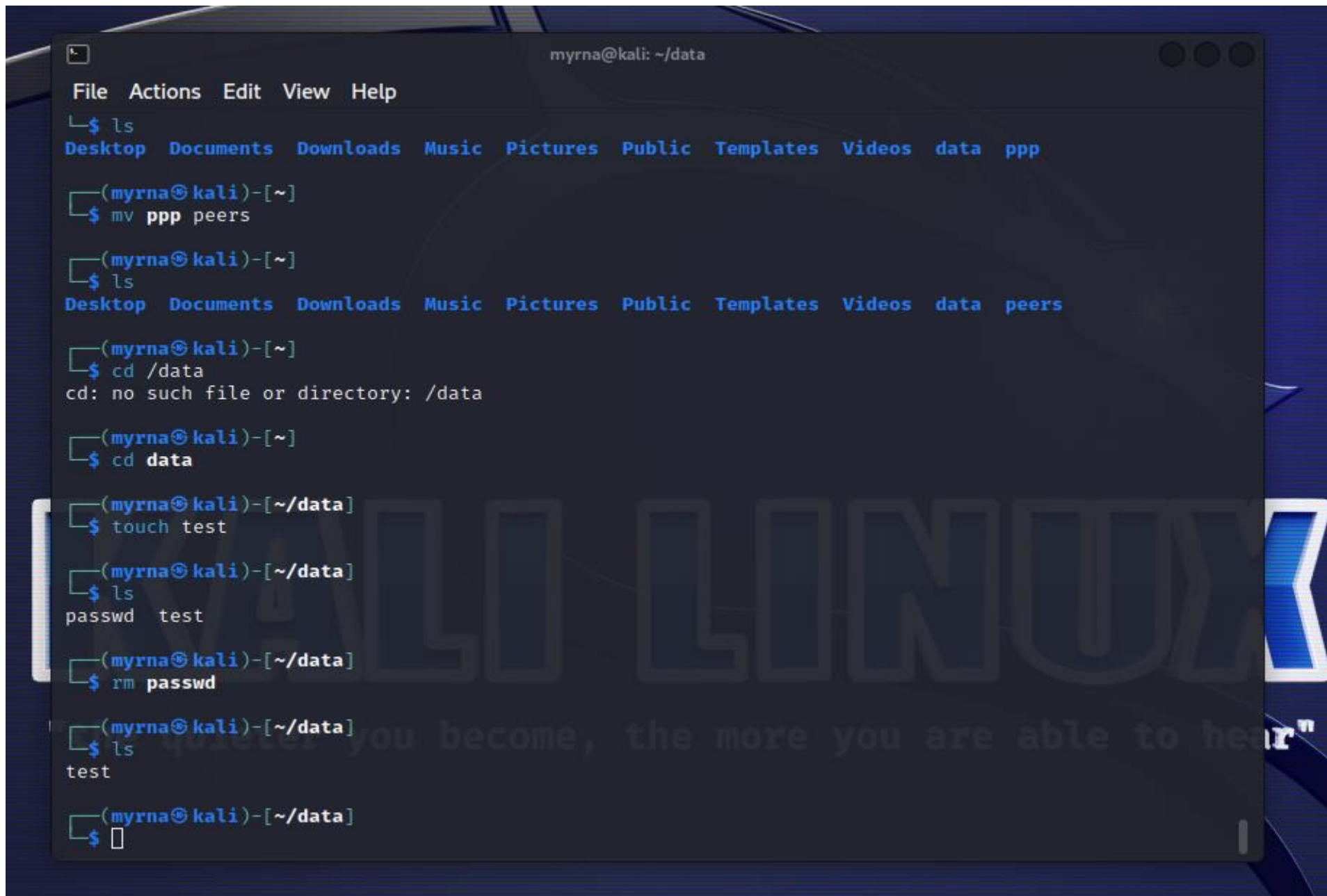
(myrna@kali)-[~]
$ cd data

(myrna@kali)-[~/data]
$ touch test

(myrna@kali)-[~/data]
$ ls
passwd test

(myrna@kali)-[~/data]
$
```

Step 18: Delete the data/passwd file.

A terminal window titled 'myrna@kali: ~/data' with a menu bar (File, Actions, Edit, View, Help). The terminal shows a series of commands and their outputs. The user lists files in the current directory, moves a file named 'ppp' to 'peers', lists files again, attempts to change to '/data' (which fails), changes to 'data', creates a file 'test', lists files (showing 'passwd' and 'test'), removes 'passwd', lists files (showing only 'test'), and finally shows a prompt with a cursor.

```
myrna@kali: ~/data
File Actions Edit View Help
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos data ppp

(myrna@kali)-[~]
$ mv ppp peers

(myrna@kali)-[~]
$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos data peers

(myrna@kali)-[~]
$ cd /data
cd: no such file or directory: /data

(myrna@kali)-[~]
$ cd data

(myrna@kali)-[~/data]
$ touch test

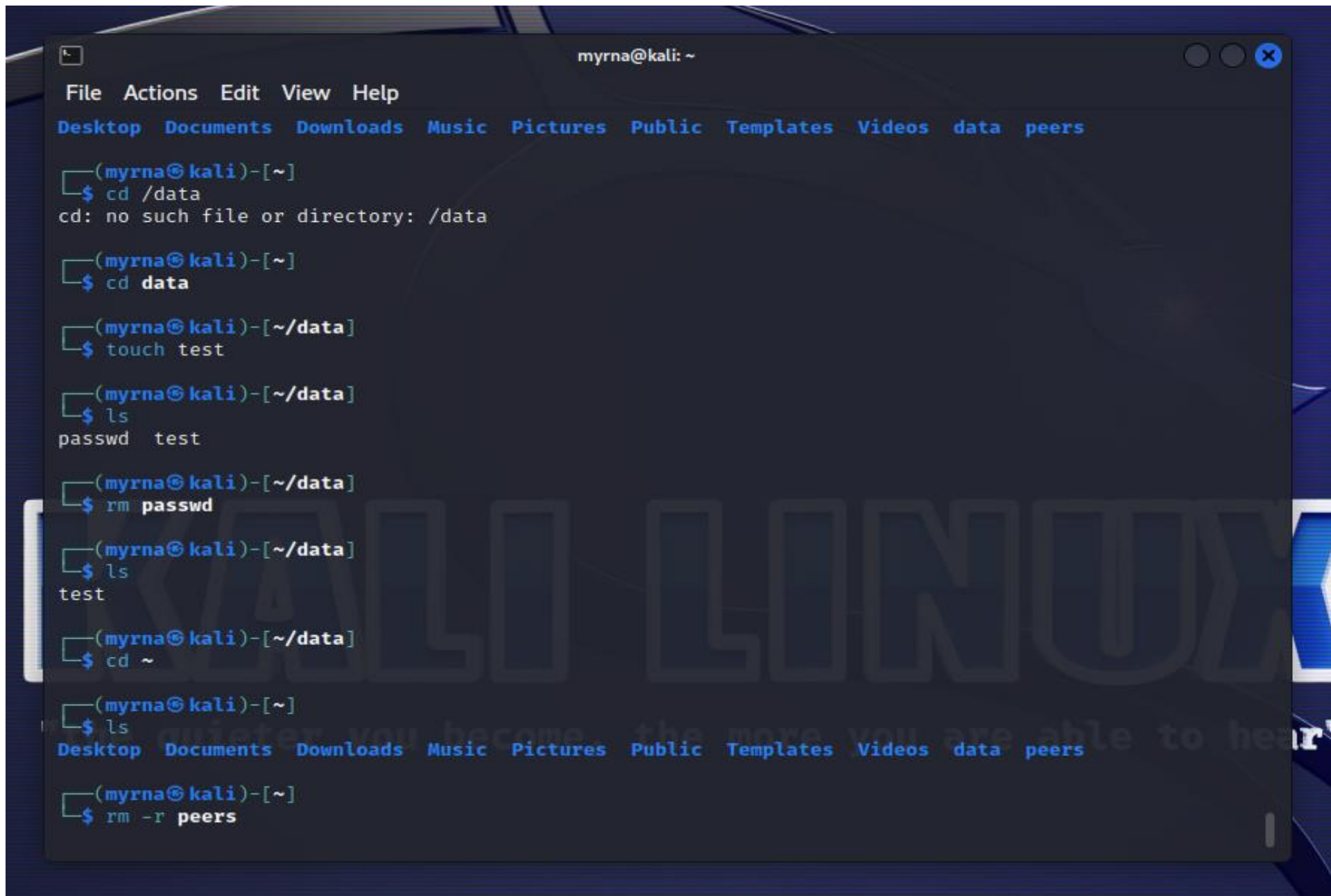
(myrna@kali)-[~/data]
$ ls
passwd test

(myrna@kali)-[~/data]
$ rm passwd

(myrna@kali)-[~/data]
$ ls
test

(myrna@kali)-[~/data]
$
```

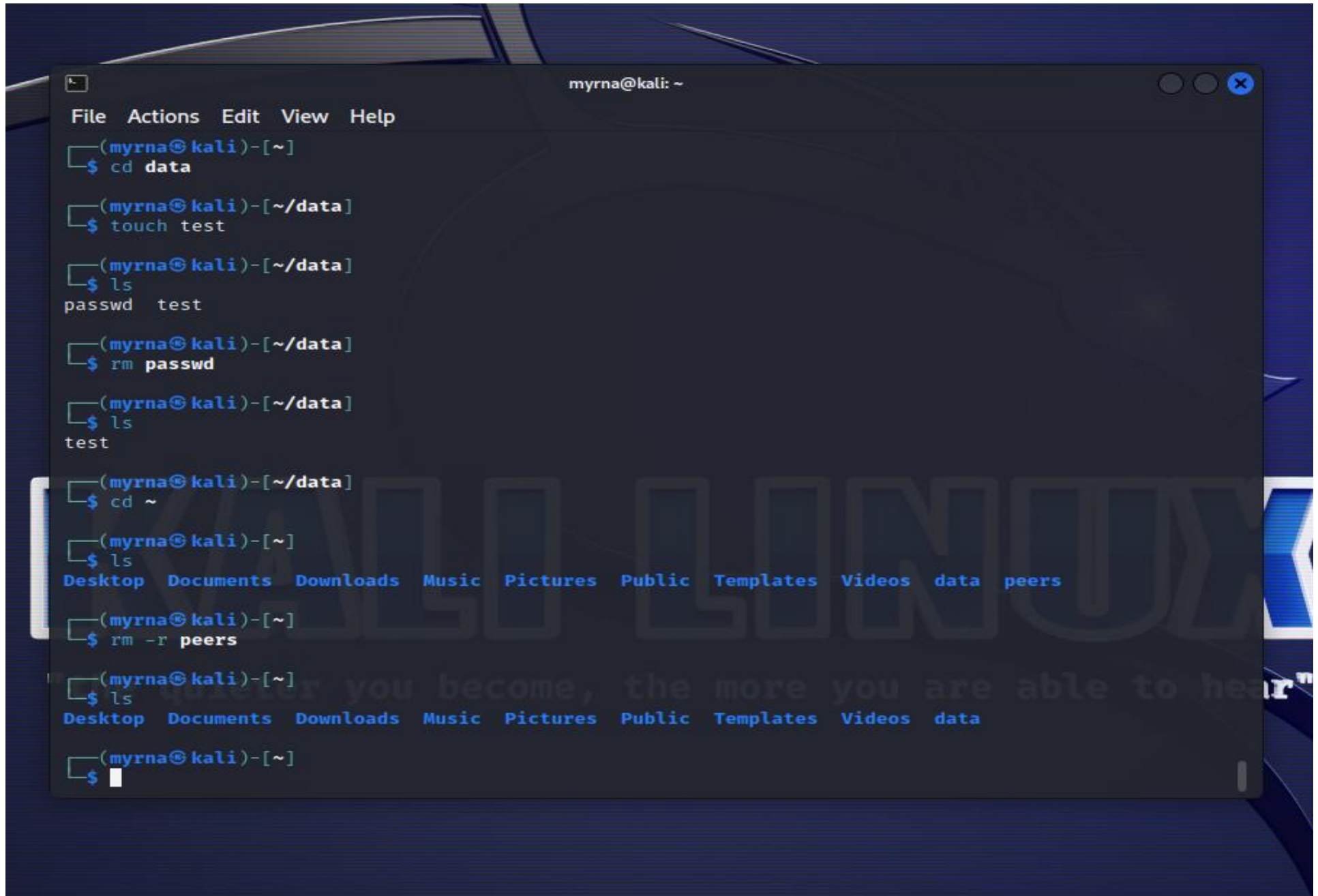

Step 19: Delete the peers directory.



A terminal window titled "myrna@kali: ~" with a menu bar (File, Actions, Edit, View, Help) and a breadcrumb bar (Desktop, Documents, Downloads, Music, Pictures, Public, Templates, Videos, data, peers). The terminal shows the following commands and output:

```
(myrna@kali)-[~]  
$ cd /data  
cd: no such file or directory: /data  
  
(myrna@kali)-[~]  
$ cd data  
  
(myrna@kali)-[~/data]  
$ touch test  
  
(myrna@kali)-[~/data]  
$ ls  
passwd  test  
  
(myrna@kali)-[~/data]  
$ rm passwd  
  
(myrna@kali)-[~/data]  
$ ls  
test  
  
(myrna@kali)-[~/data]  
$ cd ~  
  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data peers  
  
(myrna@kali)-[~]  
$ rm -r peers
```

Step 20: Re-execute the ls command.



```
myrna@kali: ~  
File Actions Edit View Help  
(myrna@kali)-[~]  
$ cd data  
(myrna@kali)-[~/data]  
$ touch test  
(myrna@kali)-[~/data]  
$ ls  
passwd test  
(myrna@kali)-[~/data]  
$ rm passwd  
(myrna@kali)-[~/data]  
$ ls  
test  
(myrna@kali)-[~/data]  
$ cd ~  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data peers  
(myrna@kali)-[~]  
$ rm -r peers  
(myrna@kali)-[~]  
$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos data  
(myrna@kali)-[~]  
$
```