

Jahmire Whitehurst

CYSE 270: Linux System for Cybersecurity

Assignment 2

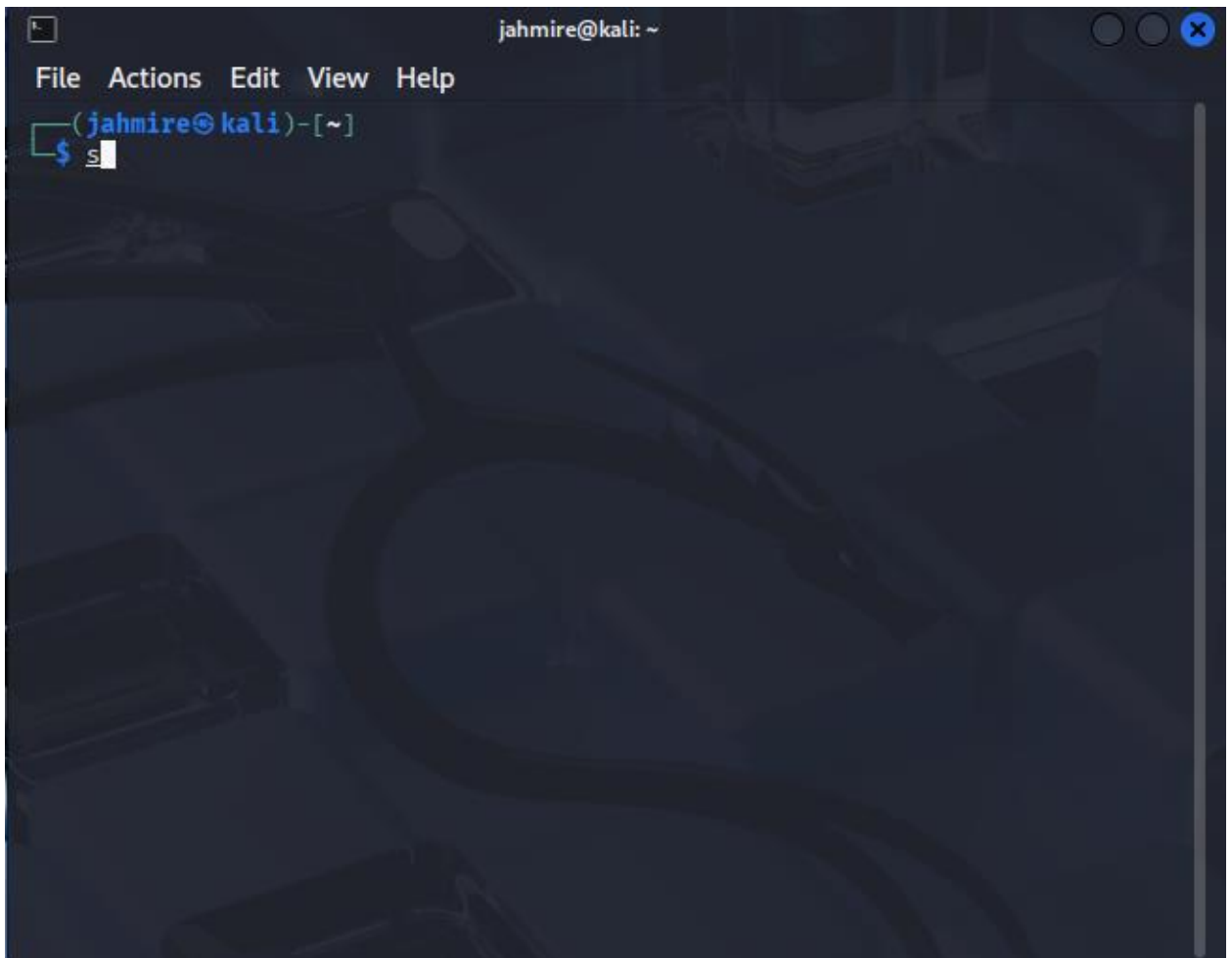
Total: 100 Points

Instructions:

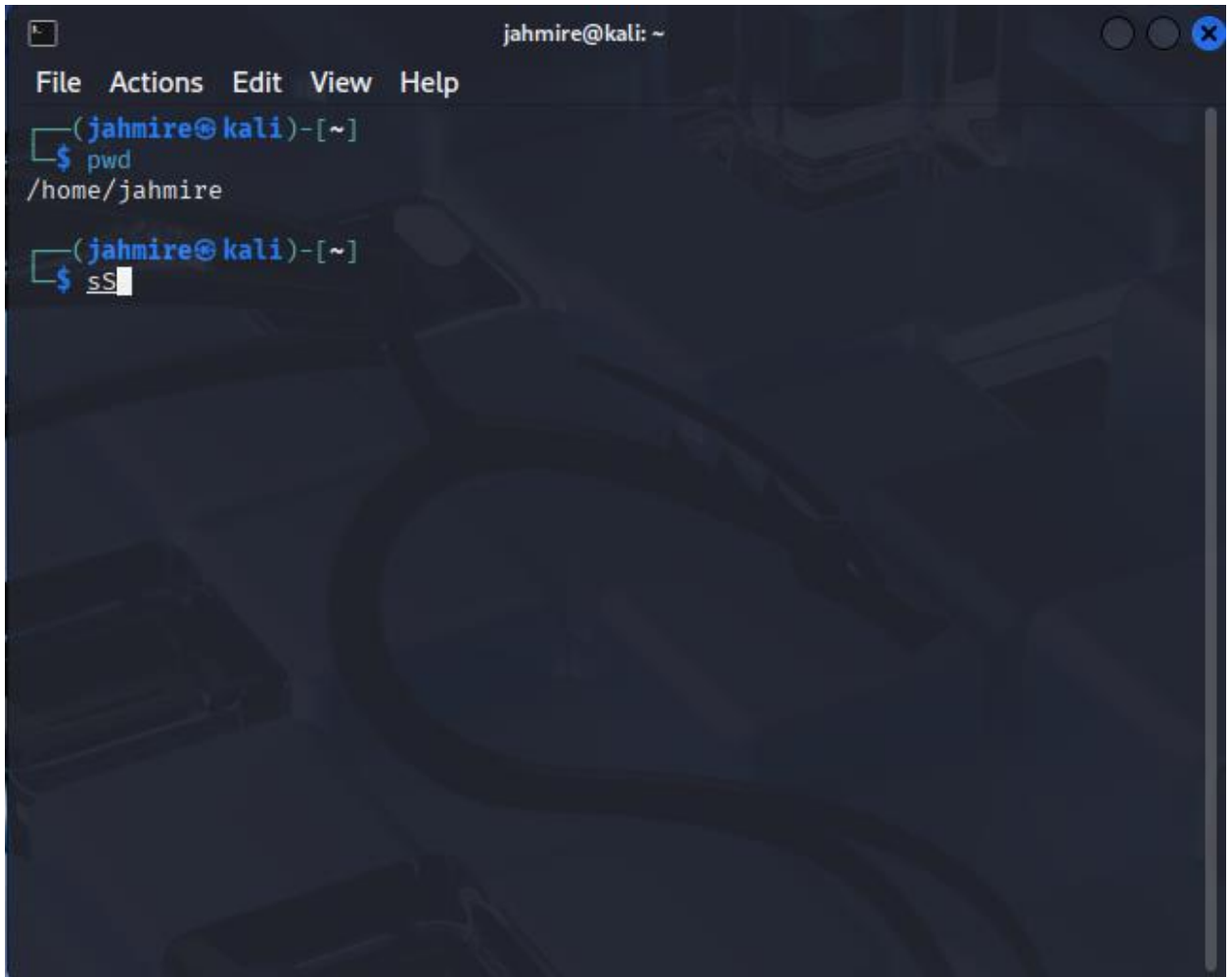
1. Execute the correct commands for all the steps listed below.
2. Take screenshots after completing each step.
3. Submit your screenshots in a single Word or PDF file.
4. Clearly label each screenshot with the corresponding step number.

Steps:

1. Open a terminal window.

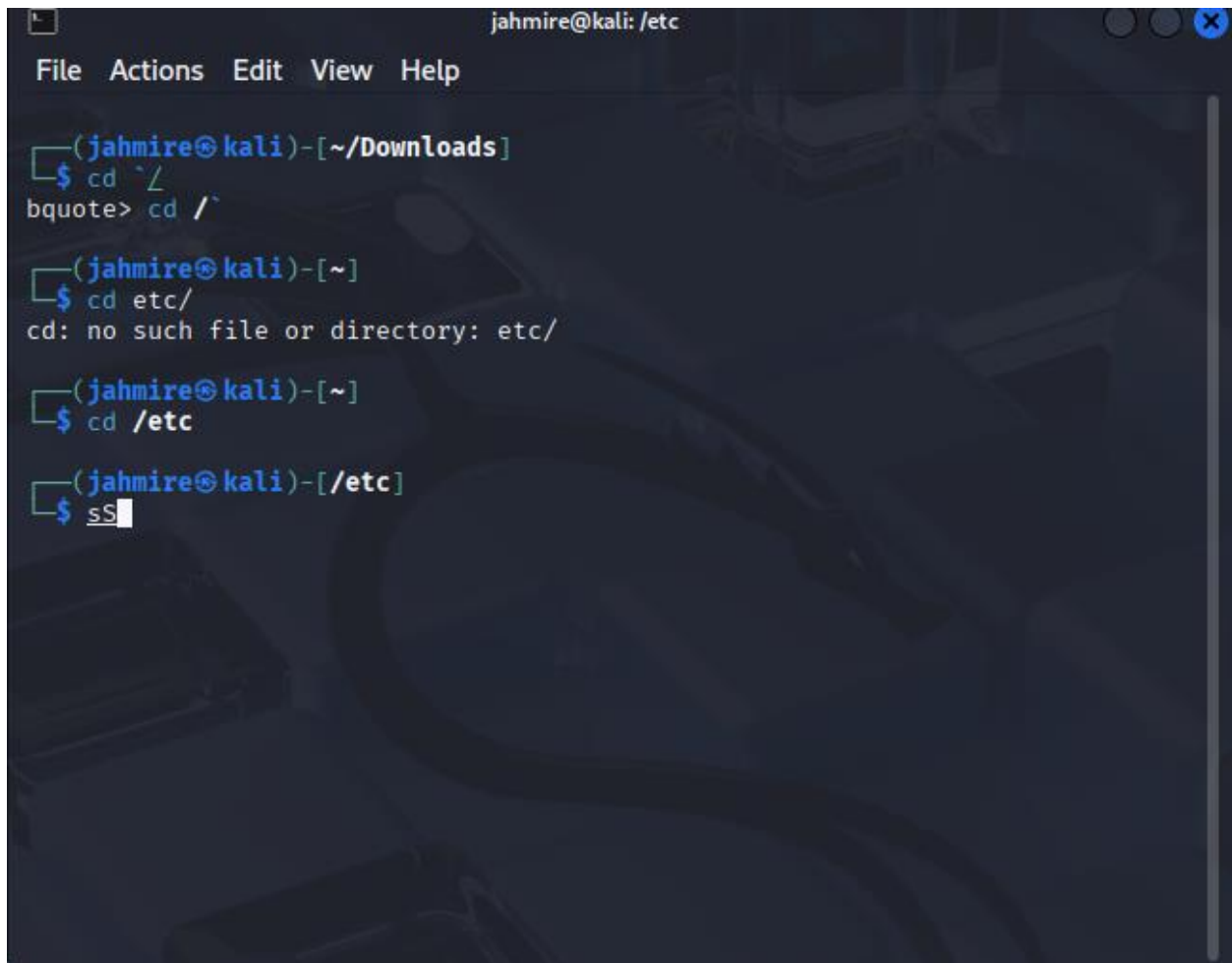


2. Display your current working directory.



```
jahmire@kali: ~  
File Actions Edit View Help  
(jahmire@kali)-[~]  
└─$ pwd  
/home/jahmire  
(jahmire@kali)-[~]  
└─$ cd /etc  
cd: /etc: Permission denied
```

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

A terminal window titled 'jahmire@kali: /etc' with a menu bar containing 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows a sequence of commands: 1. '(jahmire@kali)-[~/Downloads]' with '\$ cd ^/' and 'bquote> cd /'. 2. '(jahmire@kali)-[~]' with '\$ cd etc/' and 'cd: no such file or directory: etc/'. 3. '(jahmire@kali)-[~]' with '\$ cd /etc'. 4. '(jahmire@kali)-[~/etc]' with '\$ ss'.

```
jahmire@kali: /etc
File Actions Edit View Help
(jahmire@kali)-[~/Downloads]
└─$ cd ^/
bquote> cd /

(jahmire@kali)-[~]
└─$ cd etc/
cd: no such file or directory: etc/

(jahmire@kali)-[~]
└─$ cd /etc

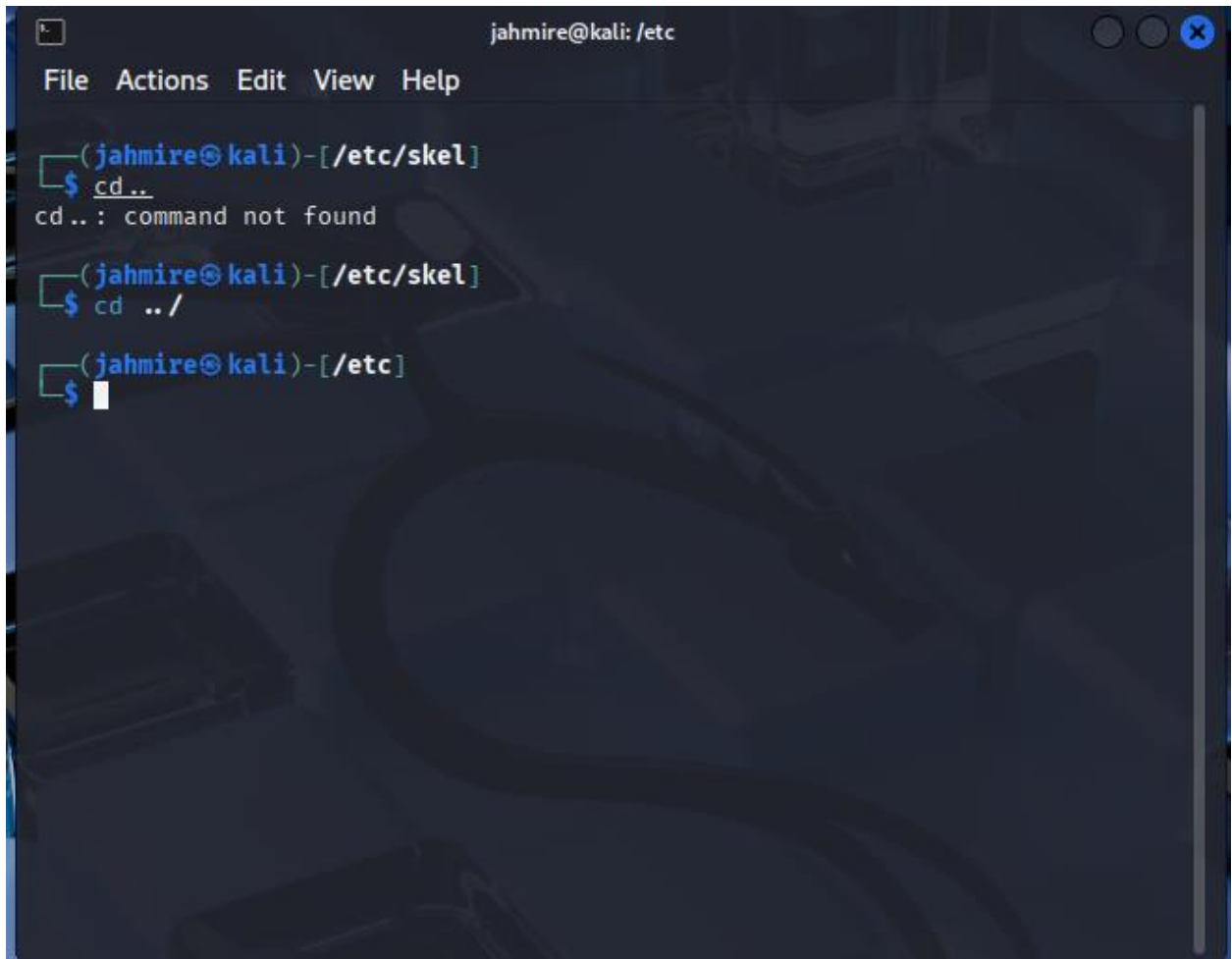
(jahmire@kali)-[~/etc]
└─$ ss
```

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



```
jahmire@kali: /etc/skel
File Actions Edit View Help
(jahmire@kali)-[/etc]
└─$ pwd
/etc
(jahmire@kali)-[/etc]
└─$ cd skel/
(jahmire@kali)-[/etc/skel]
└─$
```

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



```
jahmire@kali: /etc
File Actions Edit View Help
(jahmire@kali)-[/etc/skel]
└─$ cd..
cd..: command not found
(jahmire@kali)-[/etc/skel]
└─$ cd ../
(jahmire@kali)-[/etc]
└─$
```

6. List the files in the current directory.

```
jahmire@kali: /etc
File Actions Edit View Help
(jahmire@kali)-[~/etc]
└─$ ls /etc
adduser.conf          ipsec.conf          python3.13
alternatives         ipsec.d             radcli
apache2              ipsec.secrets      rc0.d
apparmor            issue              rc1.d
apparmor.d          issue.net          rc2.d
apt                 java-21-openjdk    rc3.d
arp-scan            john               rc4.d
avahi               kali-menu          rc5.d
bash.bashrc         kernel             rc6.d
bash_completion     kernel-img.conf   rcS.d
bash_completion.d  keyutils          reader.conf.d
bindresvport.blacklist kismet            rearj.cfg
binfmt.d           ldap              redis
bluetooth          ld.so.cache       redsocks.conf
ca-certificates     ld.so.conf        request-key.conf
ca-certificates.conf ld.so.conf.d      request-key.d
chatscripts        legion.conf       resolv.conf
chromium           libao.conf        responder
chromium.d         libaudit.conf    rmt
cifs-utils         libblockdev       rpc
cloud              libccid_Info.plist runit
colord             libnl-3           samba
console-setup     libpaper.d        sane.d
cracklib           lightdm           scalpel
credstore         lighttpd         screenrc
credstore.encrypted locale.alias      sddm.conf.d
cron.d            locale.conf      searchsploit_rc
cron.daily        locale.gen       security
cron.hourly       localtime       selinux
cron.monthly      logcheck         sensors3.conf
cronstab         login.defs       sensors.d
cron.weekly       logrotate.conf  services
cron.yearly       logrotate.d     sgml
cryptsetup-initramfs macchanger       shadow
cryptsetup-nyuke-password machine-id       shadow-
crypttab         magic            shells
cupshelpers       magic.mime       skel
dbus-1            manpath.config  smartd.conf
dconf            matplotlibrc    smartmontools
debconf.conf     mime.types      smi.conf
debian_version   minicom         snmp
default          miredo          speech-dispatcher
deluser.conf     miredo.conf     sqlmap
depmod.d         mke2fs.conf     ssh
dhcp            ModemManager    ssl
dhcpcd.conf     modprobe.d      sslsplit
dictionaries-common modules          strongswan.conf
dns2tcpd.conf   modules-load.d  strongswan.d
```

7. Perform a “long display” listing of the files in the current directory.

```
File Actions Edit View Help
(jahmire@kali)-[~/etc]
└─$ ls 1
ls: cannot access '1': No such file or directory

(jahmire@kali)-[~/etc]
└─$ ls -l
adduser.conf
alternatives
apache2
apparmor
apparmor.d
apt
arp-scan
avahi
bash.bashrc
bash_completion
bash_completion.d
bindresvport.blacklist
binfmt.d
bluetooth
ca-certificates
ca-certificates.conf
chatscripts
chromium
chromium.d
cifs-utils
cloud
colord
console-setup
cracklib
credstore
credstore.encrypted
cron.d
cron.daily
cron.hourly
cron.monthly
crontab
cron.weekly
cron.yearly
cryptsetup-initramfs
cryptsetup-ntfs
cryptsetup-ntfs-passwd
crypttab
cupshelpers
dbus-1
dconf
debconf.conf
debian_version
default
deluser.conf
depmod.d
```

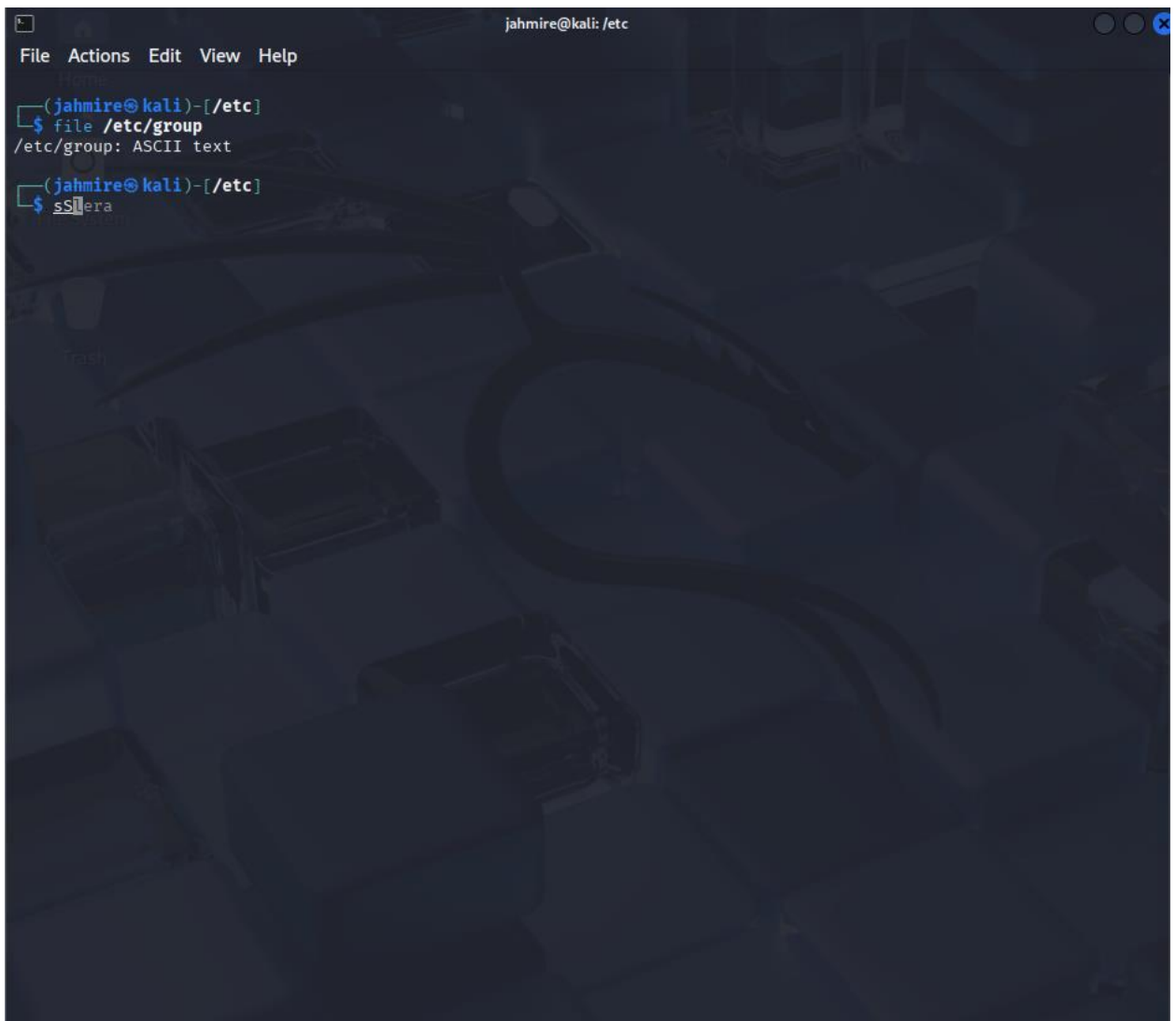
8. List all the files in the current directory that begin with the letter s.

# Jahmire Whitehurst

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

```
(jahmire@kali)-[/etc]
└─$ ssi_era
```

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

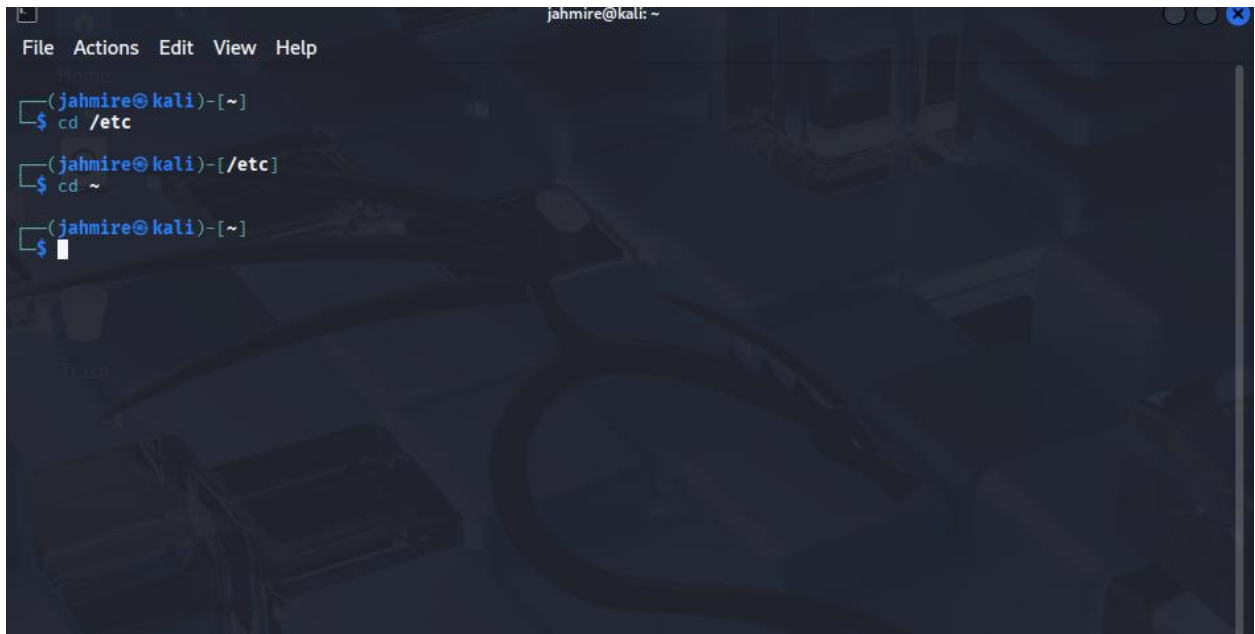


```
jahmire@kali: /etc
File Actions Edit View Help
(jahmire@kali)-[/etc]
└─$ file /etc/group
/etc/group: ASCII text
(jahmire@kali)-[/etc]
└─$ sSIera
```

10. Display only the last five lines of the /etc/group file.

```
colord:x:131:
kali-trusted:x:132:
jahmire:x:1000:
vboxsf:x:133:jahmire
kaboxer:x:134:jahmire
```

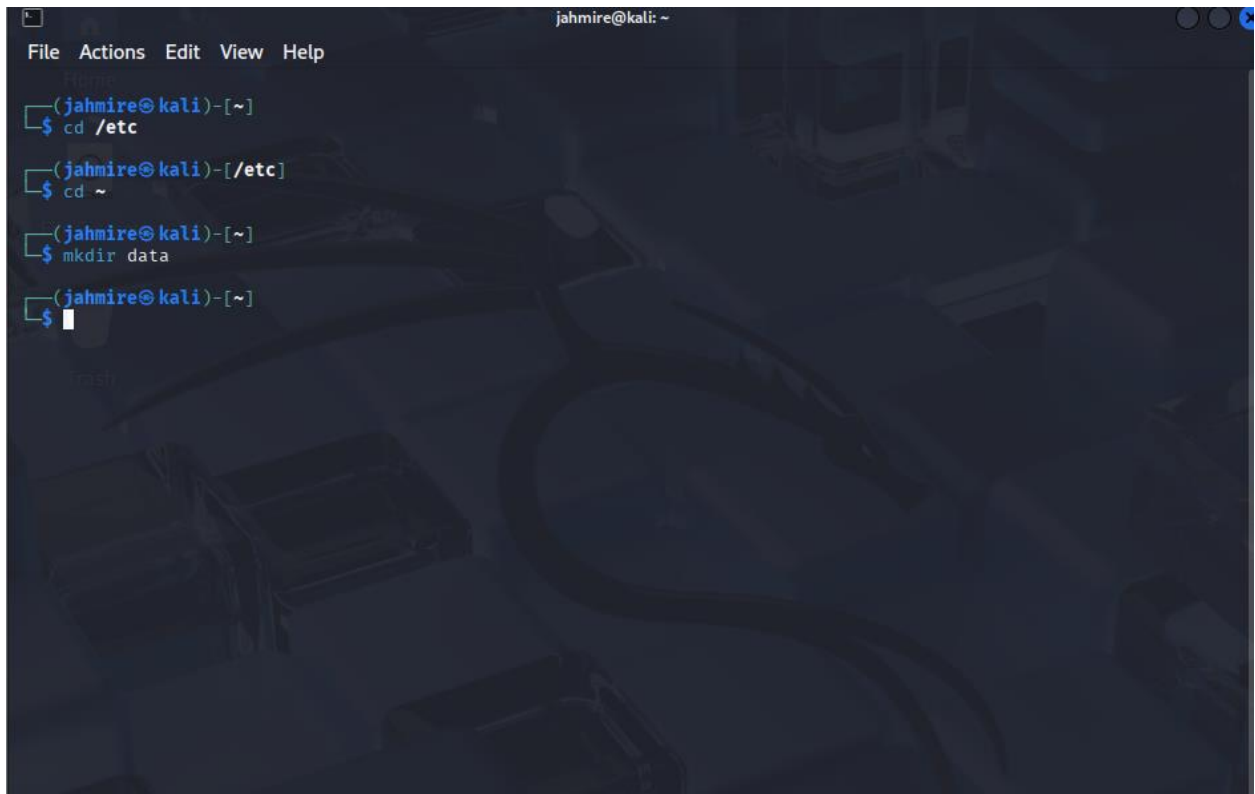
11. Execute the command to return to your home directory.



```
jahmire@kali: ~  
File Actions Edit View Help  
jahmire  
[jahmire@kali]~  
$ cd /etc  
[jahmire@kali]~/etc  
$ cd ~  
[jahmire@kali]~  
$
```

A terminal window with a dark background and light blue text. The window title is 'jahmire@kali: ~'. The menu bar includes 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows a sequence of commands: 'cd /etc' followed by 'cd ~', returning to the home directory. The prompt '\$' is visible at the end of each line.

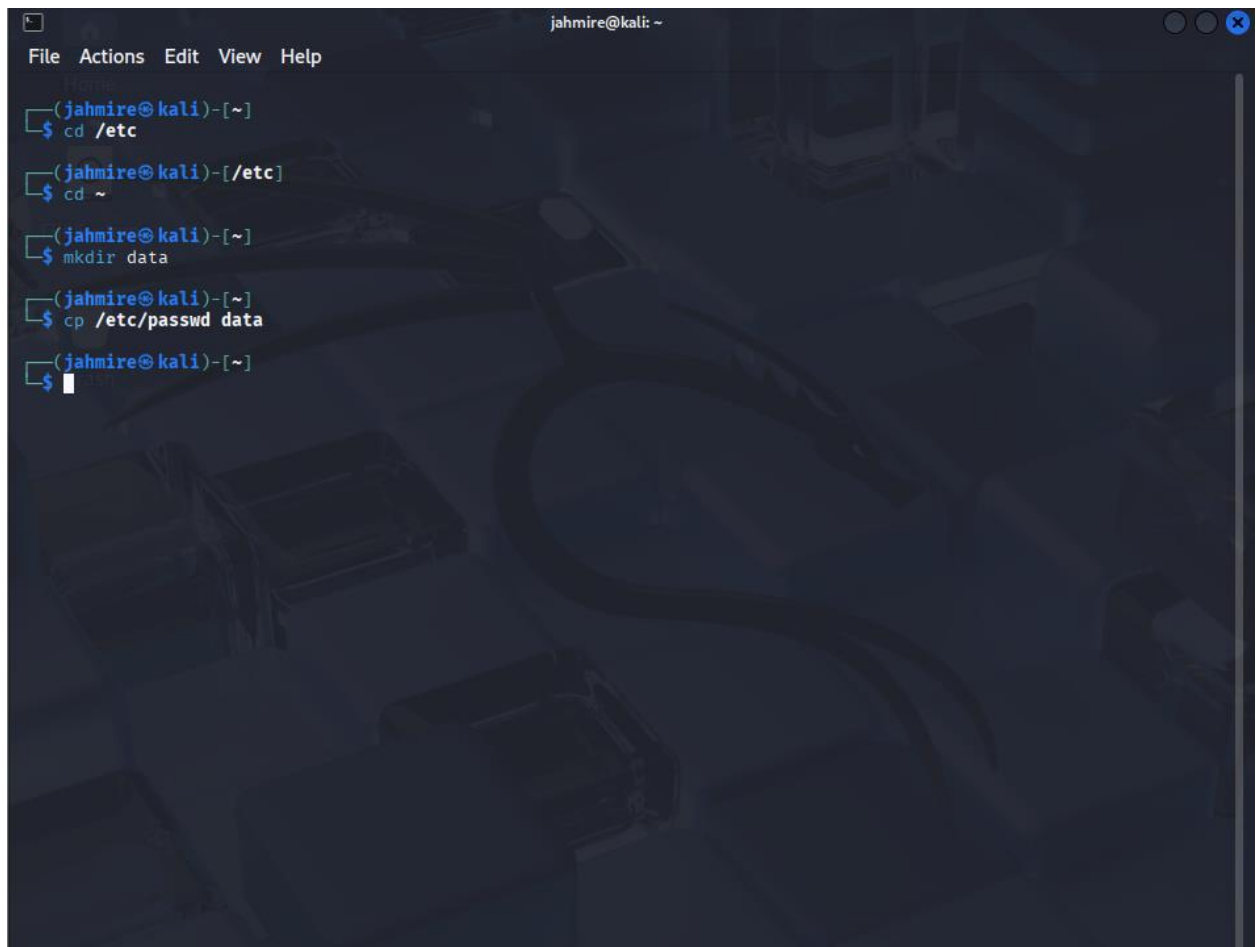
12. Make a directory named data in the current directory.



```
jahmire@kali: ~  
File Actions Edit View Help  
jahmire  
[jahmire@kali]~  
$ cd /etc  
[jahmire@kali]~/etc  
$ cd ~  
[jahmire@kali]~  
$ mkdir data  
[jahmire@kali]~  
$
```

A terminal window with a dark background and light blue text. The window title is 'jahmire@kali: ~'. The menu bar includes 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows a sequence of commands: 'cd /etc' followed by 'cd ~', returning to the home directory. Then, the command 'mkdir data' is entered, creating a new directory. The prompt '\$' is visible at the end of each line.

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



```
File Actions Edit View Help
jahmire@kali: ~
(jahmire@kali)-[~]
└─$ cd /etc
(jahmire@kali)-[/etc]
└─$ cd ~
(jahmire@kali)-[~]
└─$ mkdir data
(jahmire@kali)-[~]
└─$ cp /etc/passwd data
(jahmire@kali)-[~]
└─$
```

14.

Copy the /etc/ppp directory into the current directory (and ignore any “Permission denied” error messages).

```
jahmire@kali: ~  
File Actions Edit View Help  
  
(jahmire@kali)-[~]  
└─$ cp /etc/ppp ~  
cp: -r not specified; omitting directory '/etc/ppp'  
  
(jahmire@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  
  
(jahmire@kali)-[~]  
└─$
```

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

```
(jahmire@kali)-[~]  
└─$ ls  
data Desktop Documents Downloads Music Pictures ppp Public Templates Videos  
  
(jahmire@kali)-[~]  
└─$ mv ppp/ peers/  
  
(jahmire@kali)-[~]  
└─$ ls  
data Desktop Documents Downloads Music peers Pictures Public Templates Videos  
  
(jahmire@kali)-[~]  
└─$ sSIera
```

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

```
(jahmire@kali)-[~]  
└─$ ls  
data Desktop Documents Downloads Music Pictures ppp Public Templates Videos  
  
(jahmire@kali)-[~]  
└─$ mv ppp/ peers/  
  
(jahmire@kali)-[~]  
└─$ ls  
data Desktop Documents Downloads Music peers Pictures Public Templates Videos  
  
(jahmire@kali)-[~]  
└─$ sSIera
```

17. Create a new empty file named test in the data directory.

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```
(jahmire@kali)-[~/data]
└─$ mkdir data/

(jahmire@kali)-[~/data]
└─$
```

18. Delete the data/passwd file.

```
(jahmire@kali)-[~/data]
└─$ rm /passwd
rm: cannot remove '/passwd': No such file or directory

(jahmire@kali)-[~/data]
└─$ rm passwd

(jahmire@kali)-[~/data]
└─$ ls
data test

(jahmire@kali)-[~/data]
└─$
```

19. Delete the peers directory.

```
(jahmire@kali)-[~]
└─$ rm -r peers/

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

(jahmire@kali)-[~]
└─$
```

20. Re-execute the ls command.

```
(jahmire@kali)-[~]
└─$ rm -r peers/

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

(jahmire@kali)-[~]
└─$
```