

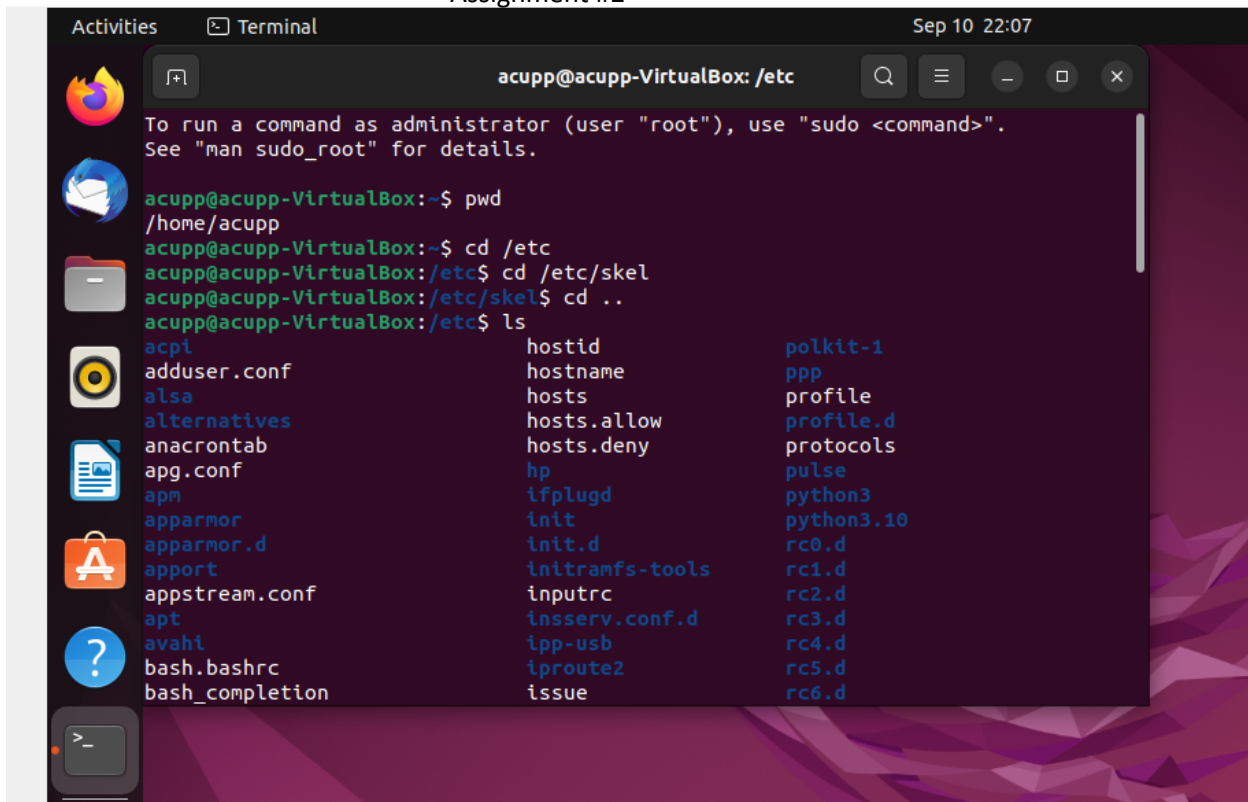
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Assignment #2



The screenshot shows a terminal window titled "acupp@acupp-VirtualBox: /etc" with a search bar and window controls. The terminal output shows the user navigating from their home directory to /etc, then to /etc/skel, and back to /etc. Finally, they run the 'ls' command, which lists files in three columns. The background of the desktop is a purple geometric pattern.

```
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
acupp@acupp-VirtualBox:~$ pwd  
/home/acupp  
acupp@acupp-VirtualBox:~$ cd /etc  
acupp@acupp-VirtualBox:/etc$ cd /etc/skel  
acupp@acupp-VirtualBox:/etc/skel$ cd ..  
acupp@acupp-VirtualBox:/etc$ ls  
acpi                hostid               polkit-1  
adduser.conf        hostname            ppp  
alsa                hosts               profile  
alternatives        hosts.allow         profile.d  
anacrontab          hosts.deny          protocols  
apg.conf            hp                  pulse  
apm                 ifplugd             python3  
apparmor            init                 python3.10  
apparmor.d          init.d              rc0.d  
appport             initramfs-tools     rc1.d  
appstream.conf      inputrc             rc2.d  
apt                 inserv.conf.d       rc3.d  
avahi               lpp-usb             rc4.d  
bash.bashrc         iproute2            rc5.d  
bash_completion     issue               rc6.d
```

Step 1: Opened terminal window.

Step 2: Displayed current working directory using pwd command.

Step 3: Switched to the /etc directory using cd /etc command.

Step 4: Switched to the /etc/skel directory using cd /etc/skel command.

Step 5: Moved up one directory using the cd .. command.

Step 6: Used ls command to list files in the directory.

```

acupp@acupp-VirtualBox: /etc
ls -l
total 1136
drwxr-xr-x 3 root root 4096 Aug 7 18:55 acpi
-rw-r--r-- 1 root root 3028 Aug 7 18:52 adduser.conf
drwxr-xr-x 3 root root 4096 Aug 7 18:53 alsa
drwxr-xr-x 2 root root 4096 Sep 2 22:40 alternatives
-rw-r--r-- 1 root root 335 Mar 23 2022 anacrontab
-rw-r--r-- 1 root root 433 Mar 23 2022 apg.conf
drwxr-xr-x 5 root root 4096 Aug 7 18:53 apm
drwxr-xr-x 3 root root 4096 Aug 7 18:53 apparmor
drwxr-xr-x 7 root root 4096 Sep 2 22:45 apparmor.d
drwxr-xr-x 4 root root 4096 Aug 7 18:55 appport
-rw-r--r-- 1 root root 769 Feb 22 2022 appstream.conf
drwxr-xr-x 8 root root 4096 Sep 2 22:49 apt
drwxr-xr-x 3 root root 4096 Aug 7 18:55 avahi
-rw-r--r-- 1 root root 2319 Jan 6 2022 bash.bashrc
papersize
passwd
passwd-
pcmcia
perl
pki
pm
pnm2ppa.conf
vulkan
wgetrc
wpa_supplicant
X11
xattr.conf
xdg
xml
zsh_command_not_found

```

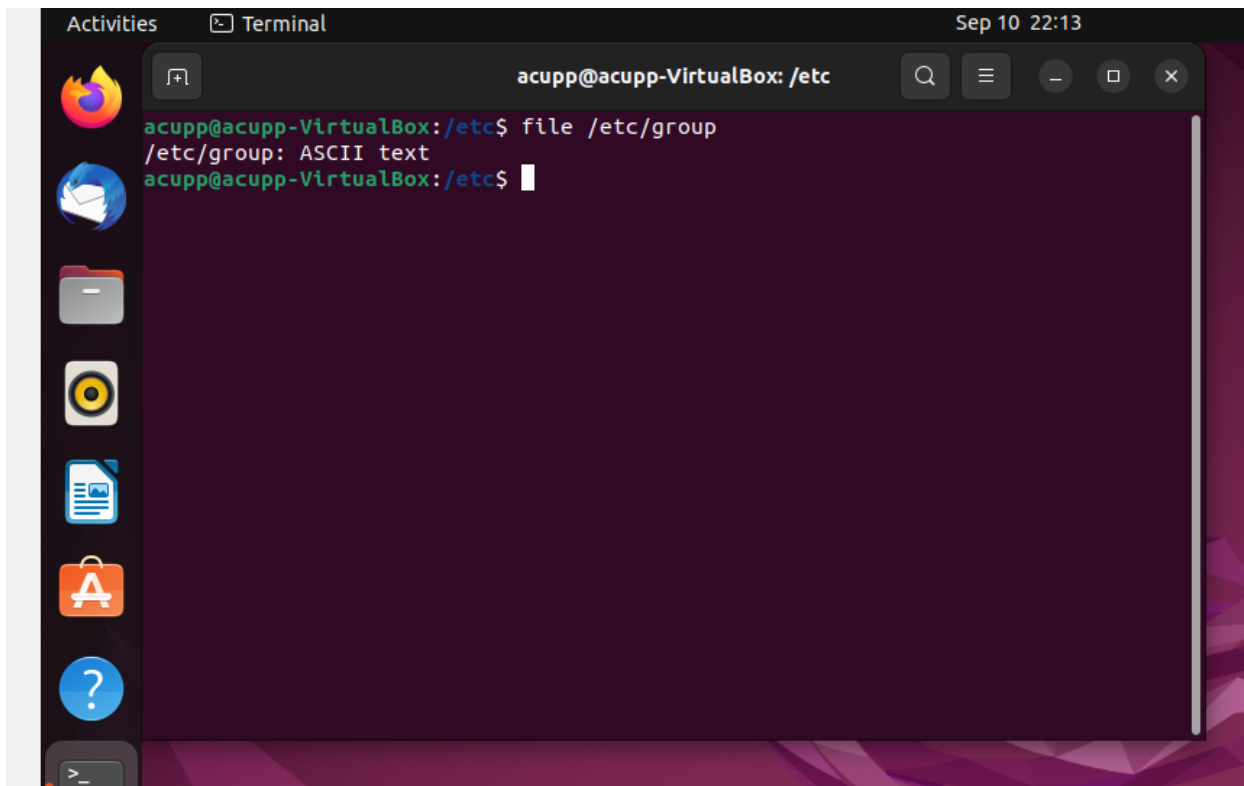
Step 7: used ls -l command to perform a long display listing of files in current directory.

```

acupp@acupp-VirtualBox: /etc
ls s*
sane.d:
abaton.conf          dll.conf             kvs1025.conf         rts8891.conf
agfafocus.conf       dll.d               leo.conf             s9036.conf
airscan.conf         dmc.conf            lexmark.conf         saned.conf
apple.conf           epjitsu.conf        ma1509.conf          sceptre.conf
artec.conf           epson2.conf         magicolor.conf       sharp.conf
artec_eplus48u.conf  epson.conf          matsushita.conf      sm3840.conf
sensors3.conf        shadow-             subgid-             sudo.conf            sysctl.conf
services            shells              subuid              sudoers
shadow              subgid              subuid              sudo_logsrvd.conf

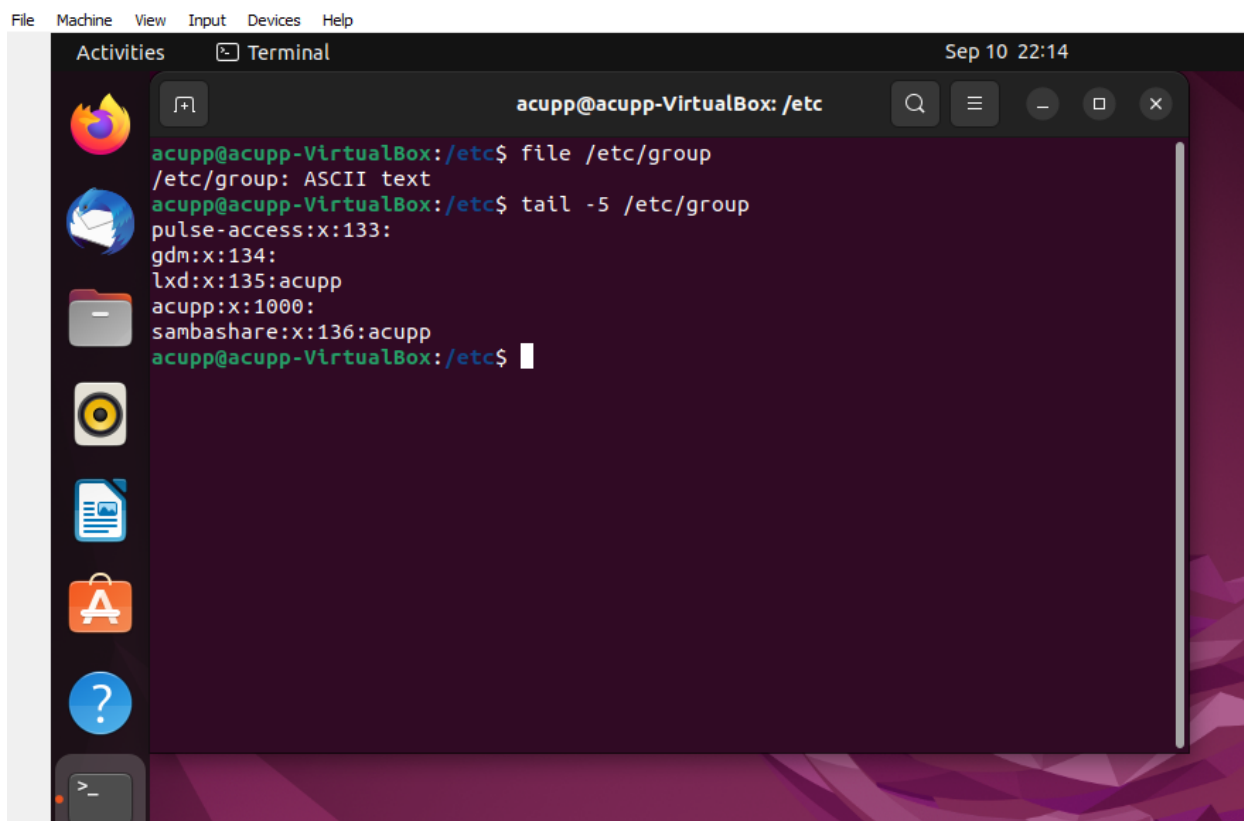
```

Step 8: Used ls s* command to list all of the files in the current directory beginning with the letter s.

A terminal window titled 'acupp@acupp-VirtualBox: /etc' is shown. The prompt is 'acupp@acupp-VirtualBox:/etc\$'. The command 'file /etc/group' has been entered, and the output is '/etc/group: ASCII text'. The terminal window is part of a desktop environment with a sidebar on the left containing icons for Firefox, a mail client, a file manager, a music player, a document viewer, an app store, and a help icon. The top of the window shows 'Activities', 'Terminal', and the date 'Sep 10 22:13'.

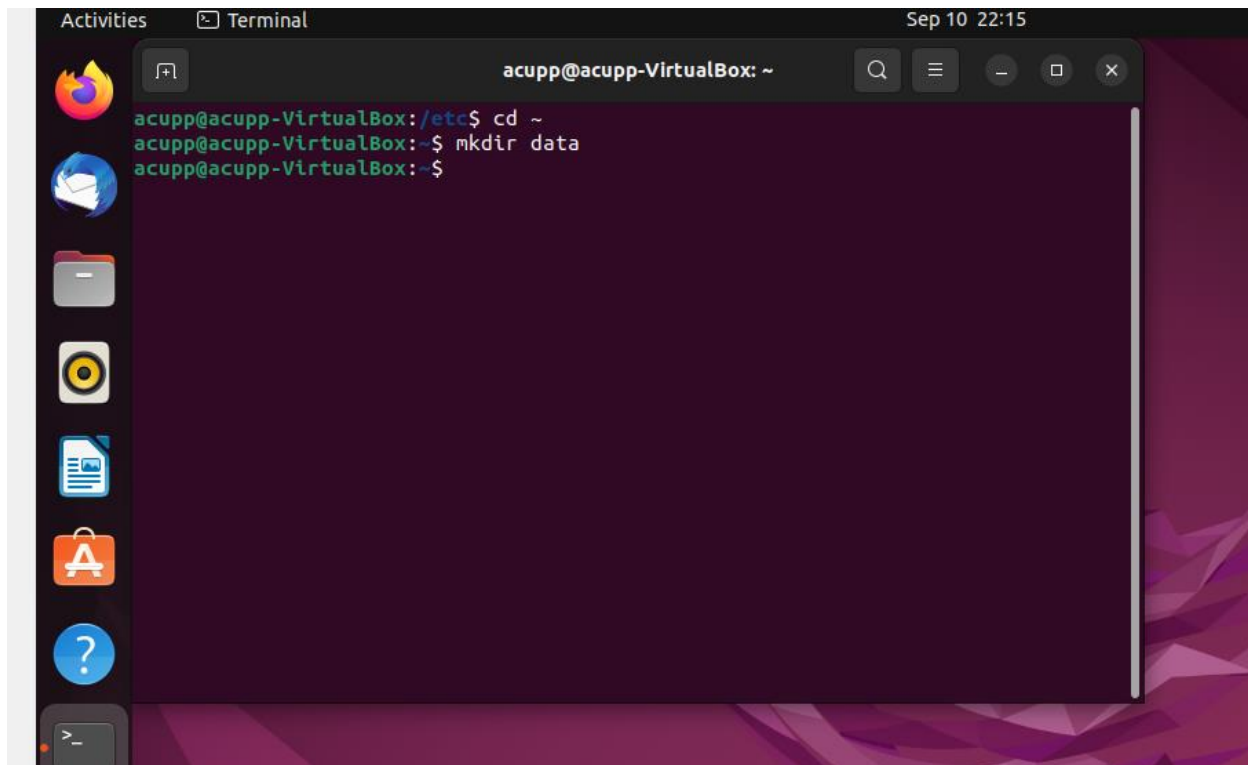
```
acupp@acupp-VirtualBox:/etc$ file /etc/group
/etc/group: ASCII text
acupp@acupp-VirtualBox:/etc$
```

Step 9: Used the file /etc/group command to determine the type of contents in the /etc/group file.

A terminal window titled 'acupp@acupp-VirtualBox: /etc' is shown. The prompt is 'acupp@acupp-VirtualBox:/etc\$'. The command 'file /etc/group' has been entered, and the output is '/etc/group: ASCII text'. The command 'tail -5 /etc/group' has been entered, and the output is 'pulse-access:x:133:', 'gdm:x:134:', 'lxd:x:135:acupp', 'acupp:x:1000:', and 'sambashare:x:136:acupp'. The terminal window is part of a desktop environment with a sidebar on the left containing icons for Firefox, a mail client, a file manager, a music player, a document viewer, an app store, and a help icon. The top of the window shows 'Activities', 'Terminal', and the date 'Sep 10 22:14'.

```
acupp@acupp-VirtualBox:/etc$ file /etc/group
/etc/group: ASCII text
acupp@acupp-VirtualBox:/etc$ tail -5 /etc/group
pulse-access:x:133:
gdm:x:134:
lxd:x:135:acupp
acupp:x:1000:
sambashare:x:136:acupp
acupp@acupp-VirtualBox:/etc$
```

Step 10: Used the tail -5 /etc/group command to display only the last five lines of the /etc/group file.

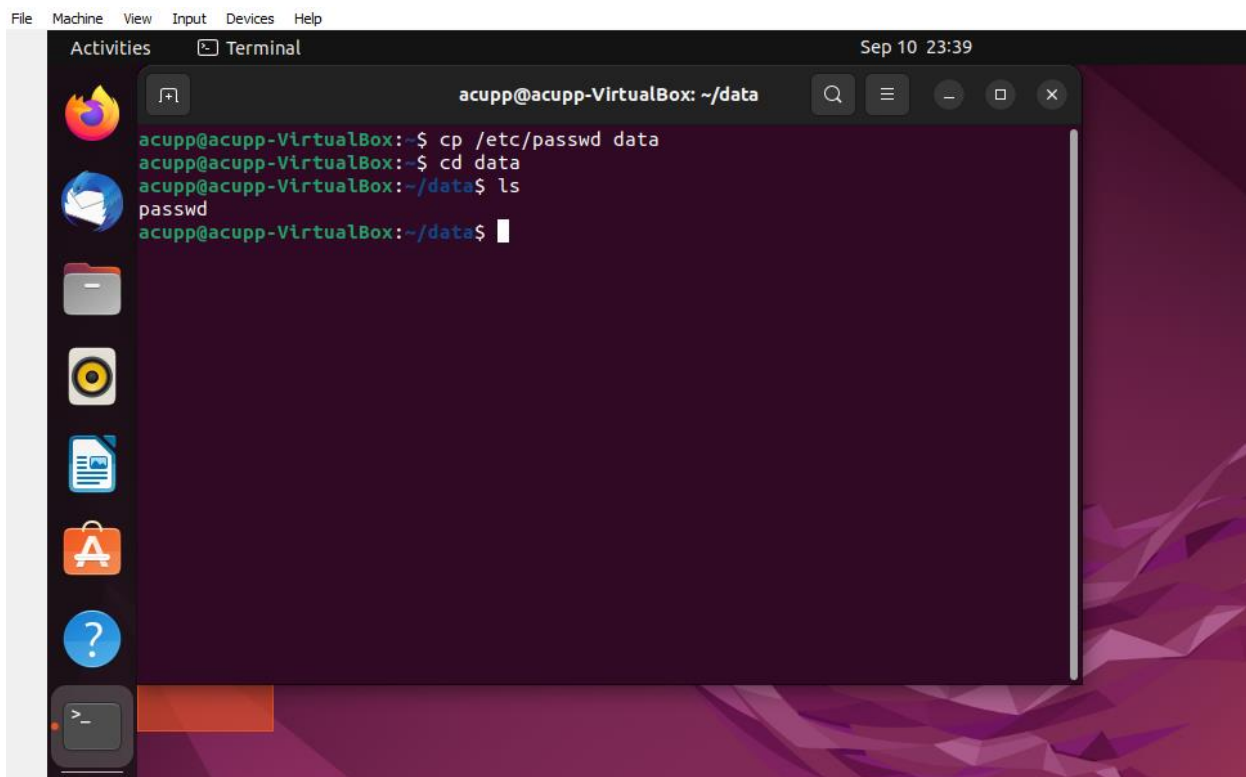
A terminal window titled 'acupp@acupp-VirtualBox: ~' with a search icon, menu icon, and window control buttons. The terminal shows the following commands and output:

```
acupp@acupp-VirtualBox:/etc$ cd ~
acupp@acupp-VirtualBox:~$ mkdir data
acupp@acupp-VirtualBox:~$
```

The background of the terminal window shows a Ubuntu desktop environment with a sidebar of application icons (Firefox, Mail, Files, Music, Documents, Applications, and a help icon) and a date/time display in the top right corner showing 'Sep 10 22:15'.

Step 11: Used the `cd ~` command to return to the home directory.

Step 12: Used the `mkdir data` command to make a directory named data in the current directory.

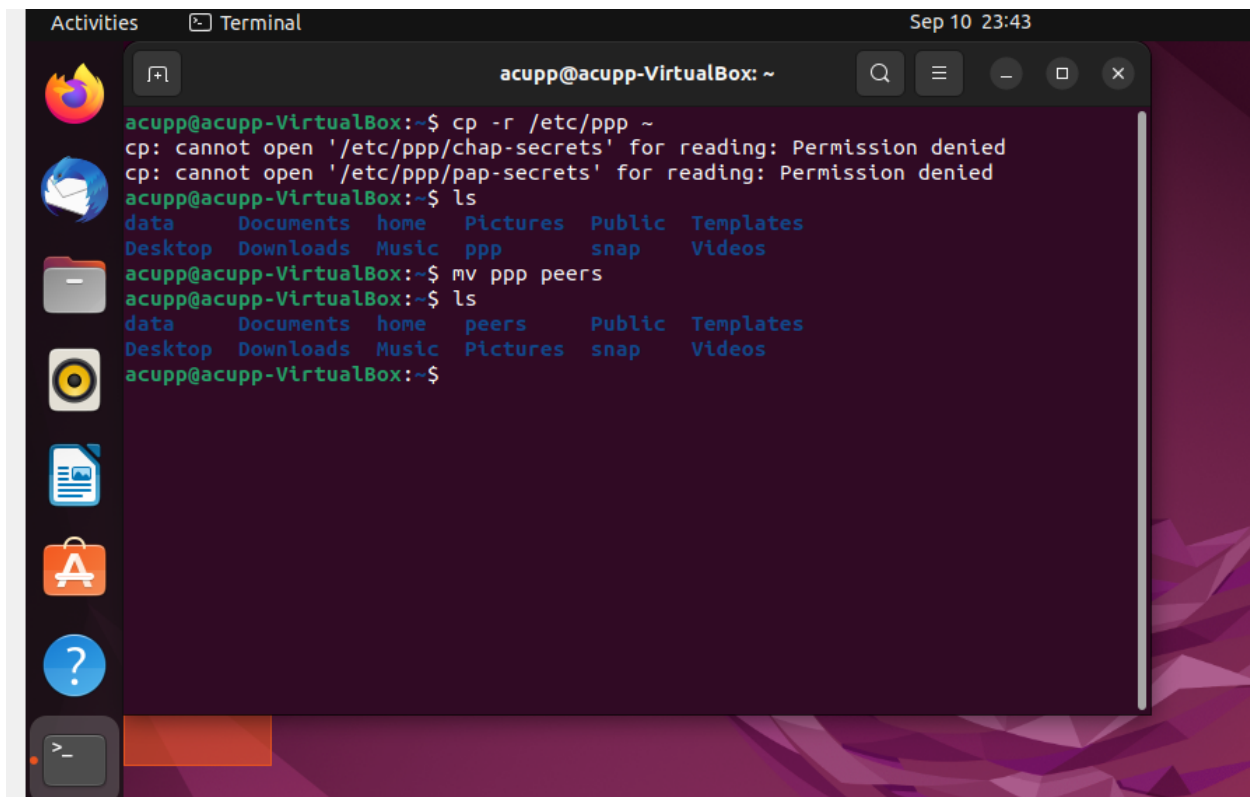
A terminal window titled 'acupp@acupp-VirtualBox: ~/data' with a search icon, menu icon, and window control buttons. The terminal shows the following commands and output:

```
acupp@acupp-VirtualBox:~$ cp /etc/passwd data
acupp@acupp-VirtualBox:~$ cd data
acupp@acupp-VirtualBox:~/data$ ls
passwd
acupp@acupp-VirtualBox:~/data$
```

The background of the terminal window shows a Ubuntu desktop environment with a sidebar of application icons and a date/time display in the top right corner showing 'Sep 10 23:39'.

Step 13: Used the `cp /etc/passwd data` command to copy `/etc/passwd` file into the data directory.

**I also switched into the data directory to confirm the file being placed inside the data directory.

A screenshot of a Linux terminal window titled 'acupp@acupp-VirtualBox: ~'. The terminal shows the following commands and output:

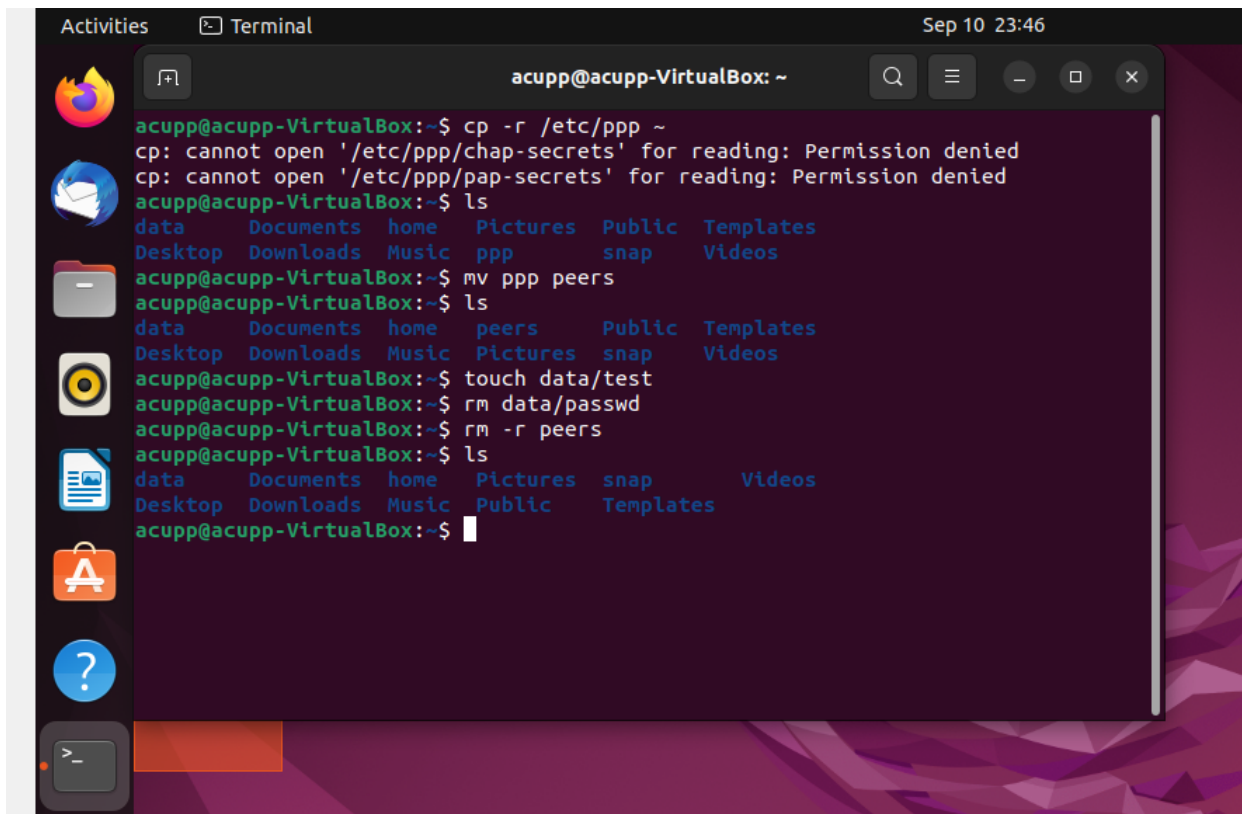
```
acupp@acupp-VirtualBox:~$ cp -r /etc/ppp ~
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied
acupp@acupp-VirtualBox:~$ ls
data    Documents  home    Pictures  Public  Templates
Desktop Downloads  Music   ppp       snap    Videos
acupp@acupp-VirtualBox:~$ mv ppp peers
acupp@acupp-VirtualBox:~$ ls
data    Documents  home    peers     Public  Templates
Desktop Downloads  Music   Pictures  snap    Videos
acupp@acupp-VirtualBox:~$
```

The terminal window is part of a desktop environment with a sidebar on the left containing icons for Firefox, a mail client, a file manager, a media player, a shopping bag, and a help icon. The top of the window shows 'Activities', 'Terminal', and the date/time 'Sep 10 23:43'.

Step 14: Used the `cp -r /etc/ppp ~` command to copy the `/etc/ppp` directory into the current directory.

Step 15: Used `mv ppp peers` command to rename the `ppp` directory that is located in the current directory to `peers`.

Step 16: Used the `ls` command to verify the change in name of the directory.

A terminal window titled 'acupp@acupp-VirtualBox: ~' with a search bar and window controls. The terminal shows the following commands and output:

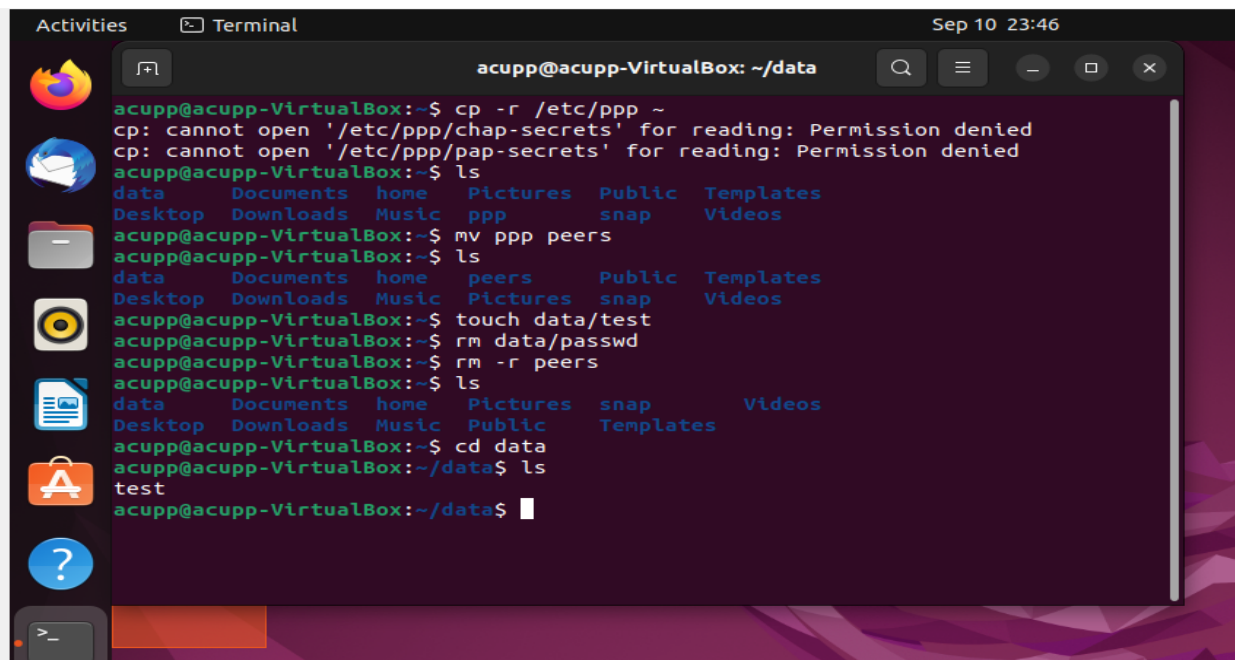
```
acupp@acupp-VirtualBox:~$ cp -r /etc/ppp ~
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied
acupp@acupp-VirtualBox:~$ ls
data  Documents  home  Pictures  Public  Templates
Desktop  Downloads  Music  ppp      snap    Videos
acupp@acupp-VirtualBox:~$ mv ppp peers
acupp@acupp-VirtualBox:~$ ls
data  Documents  home  peers      Public  Templates
Desktop  Downloads  Music  Pictures  snap    Videos
acupp@acupp-VirtualBox:~$ touch data/test
acupp@acupp-VirtualBox:~$ rm data/passwd
acupp@acupp-VirtualBox:~$ rm -r peers
acupp@acupp-VirtualBox:~$ ls
data  Documents  home  Pictures  snap    Videos
Desktop  Downloads  Music  Public    Templates
acupp@acupp-VirtualBox:~$
```

Step 17: Used touch data/test command to create a new empty file named test in the data directory.

Step 18: Used the rm data/passwd command to delete the data/passwd file.

Step 19: Used the rm -r peers command to delete the peers directory.

Step 20: Re-executed the ls command.

A terminal window titled 'acupp@acupp-VirtualBox: ~/data' with a search bar and window controls. The terminal shows the following commands and output:

```
acupp@acupp-VirtualBox:~$ cp -r /etc/ppp ~
cp: cannot open '/etc/ppp/chap-secrets' for reading: Permission denied
cp: cannot open '/etc/ppp/pap-secrets' for reading: Permission denied
acupp@acupp-VirtualBox:~$ ls
data  Documents  home  Pictures  Public  Templates
Desktop  Downloads  Music  ppp      snap    Videos
acupp@acupp-VirtualBox:~$ mv ppp peers
acupp@acupp-VirtualBox:~$ ls
data  Documents  home  peers      Public  Templates
Desktop  Downloads  Music  Pictures  snap    Videos
acupp@acupp-VirtualBox:~$ touch data/test
acupp@acupp-VirtualBox:~$ rm data/passwd
acupp@acupp-VirtualBox:~$ rm -r peers
acupp@acupp-VirtualBox:~$ ls
data  Documents  home  Pictures  snap    Videos
Desktop  Downloads  Music  Public    Templates
acupp@acupp-VirtualBox:~$ cd data
acupp@acupp-VirtualBox:~/data$ ls
test
acupp@acupp-VirtualBox:~/data$
```

- This is a screenshot showing conformation of file named test inside of the data directory.