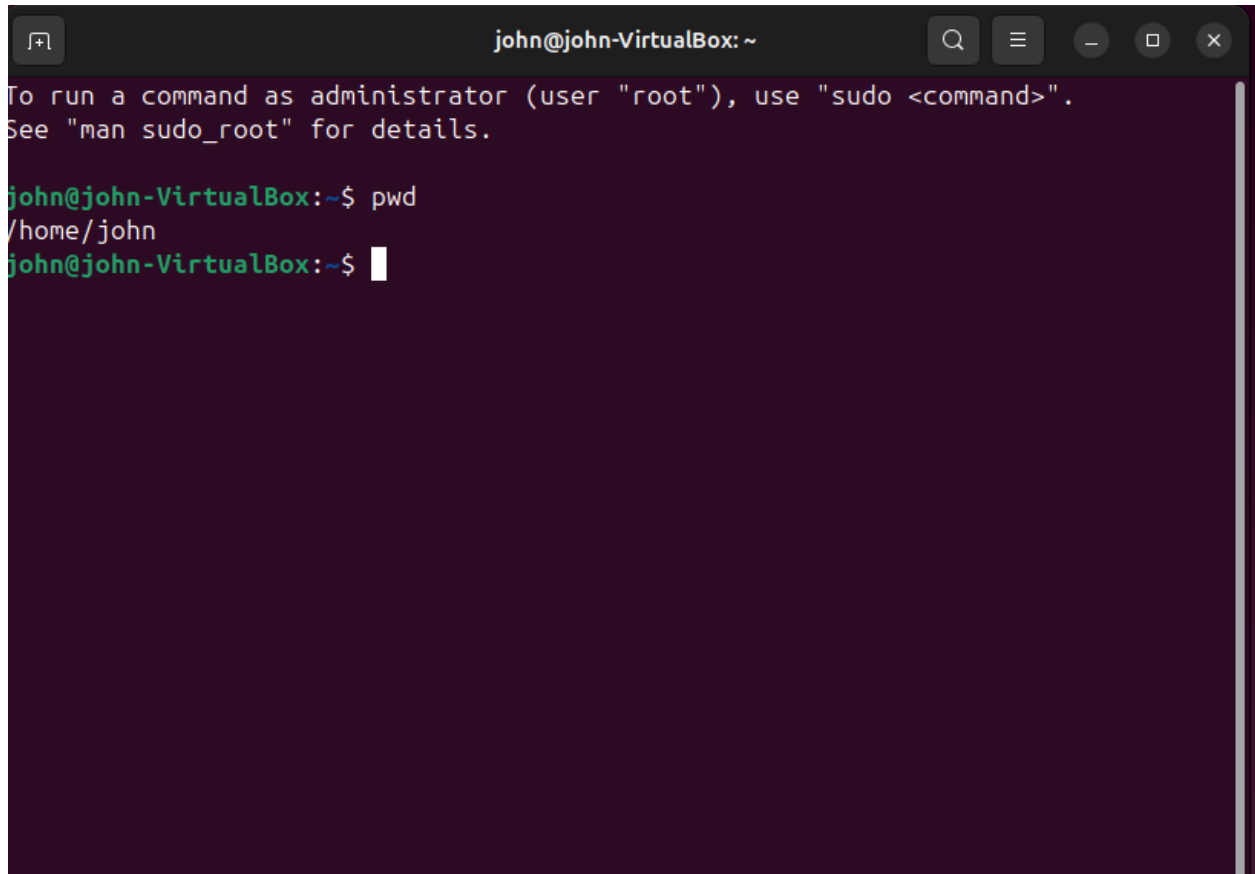


Step 1 and 2:



```
john@john-VirtualBox: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
john@john-VirtualBox:~$ pwd  
/home/john  
john@john-VirtualBox:~$
```

Steps 3-6:

```

john@john-VirtualBox:/etc$ pwd
/home/john
john@john-VirtualBox:/etc$ cd /etc
john@john-VirtualBox:/etc$ cd skel
john@john-VirtualBox:/etc/skel$ cd ..
john@john-VirtualBox:/etc$ ls
adduser.conf      gtk-2.0          ppp
alsa              gtk-3.0          profile
alternatives     hdparm.conf     profile.d
anacrontab       hostname        protocols
apg.conf         hostname        pulse
apm              hosts           python3
apparmor         hosts.allow     python3.13
apparmor.d       hosts.deny      rc0.d
apport           hp              rc1.d
apt              ifplugd         rc2.d
avahi            init            rc3.d
bash.bashrc     init.d          rc4.d
bash_completion intramfs-tools  rc5.d
bash_completion.d inputrc          rc6.d
bindresvport.blacklist inserv.conf.d   rc5.d
binfmt.d        ipp-usb         resolv.conf
bluetooth       issue           rmt
brlapi.key      issue.net       rpc
brltty          kdump           rsyslog.conf
brltty.conf     kernel          rsyslog.d
ca-certificates krb5.conf.d     rygel.conf
ca-certificates.conf ldap             sane.d
chatscripts     ld.so.cache     security
cloud           ld.so.conf      salinux

```

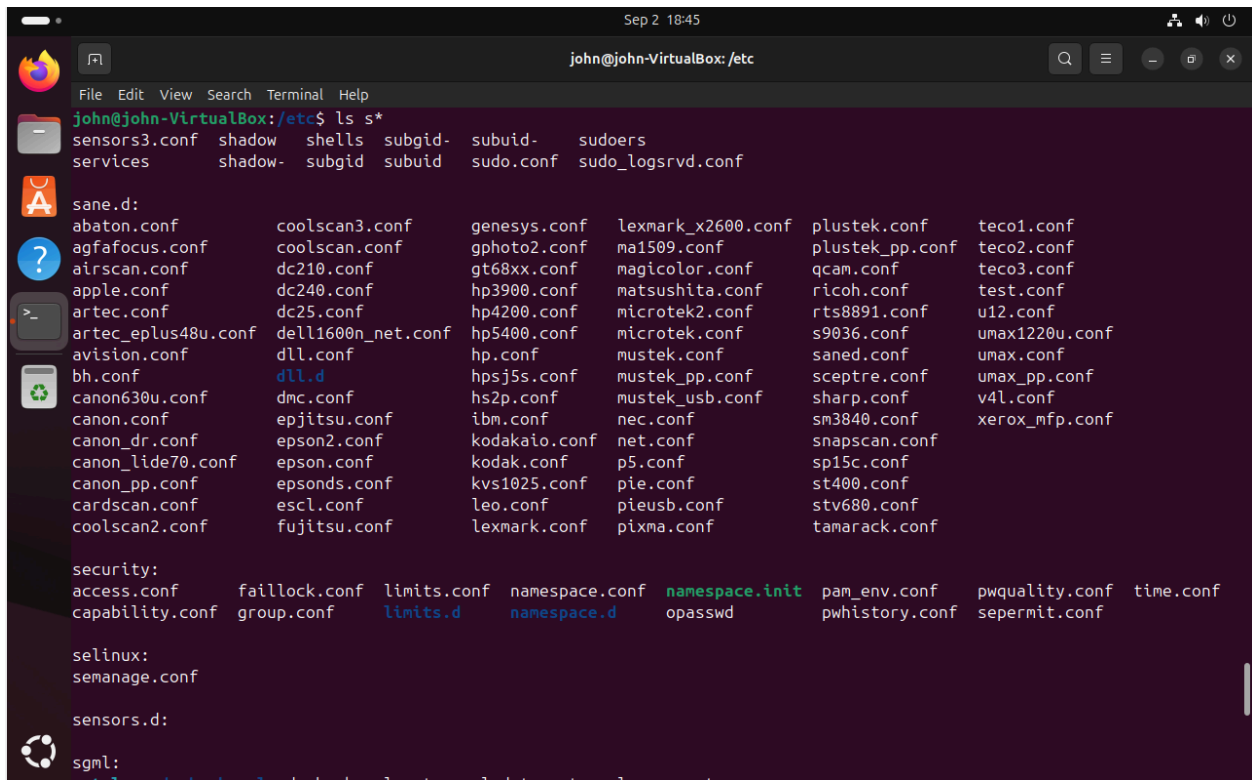
Step 7:

```

john@john-VirtualBox:/etc$ ls -l
total 1116
-rw-r--r-- 1 root root 3444 Aug 26 2024 adduser.conf
drwxr-xr-x 3 root root 4096 Apr 15 13:16 alsa
drwxr-xr-x 2 root root 4096 Apr 15 13:20 alternatives
-rw-r--r-- 1 root root 394 Mar 4 21:34 anacrontab
-rw-r--r-- 1 root root 433 Aug 25 2024 apg.conf
drwxr-xr-x 5 root root 4096 Apr 15 13:16 apm
drwxr-xr-x 2 root root 4096 Apr 15 13:16 apparmor
drwxr-xr-x 9 root root 4096 Aug 31 18:10 apparmor.d
drwxr-xr-x 3 root root 4096 Aug 31 17:35 apport
drwxr-xr-x 9 root root 4096 Aug 31 17:20 apt
drwxr-xr-x 3 root root 4096 Apr 15 13:18 avahi
-rw-r--r-- 1 root root 2322 Mar 4 21:35 bash.bashrc
-rw-r--r-- 1 root root 45 Jan 11 2025 bash_completion
drwxr-xr-x 2 root root 4096 Apr 15 13:15 bash_completion.d
-rw-r--r-- 1 root root 367 Mar 18 07:04 bindresvport.blacklist
drwxr-xr-x 2 root root 4096 Mar 28 11:48 binfmt.d
drwxr-xr-x 2 root root 4096 Aug 31 18:10 bluetooth
-rw-r----- 1 root root 33 Apr 15 13:20 brlapi.key
drwxr-xr-x 7 root root 4096 Apr 15 13:17 brltty
-rw-r--r-- 1 root root 30761 Mar 4 11:59 brltty.conf
drwxr-xr-x 3 root root 4096 Apr 15 13:15 ca-certificates
-rw-r--r-- 1 root root 6512 Apr 15 13:15 ca-certificates.conf
drwxr-s--- 2 root root 4096 Apr 15 13:18 chatscripts
drwxr-xr-x 5 root root 4096 Aug 31 17:51 cloud
drwxr-xr-x 2 colord colord 4096 Aug 31 17:51 colord
drwxr-xr-x 2 root root 4096 Aug 31 17:26 console-setup
drwxr-xr-x 2 root root 4096 Apr 15 13:18 cracklib
drwx----- 2 root root 4096 Mar 28 11:48 credstore
drwx----- 2 root root 4096 Mar 28 11:48 credstore.encrypted
drwxr-xr-x 2 root root 4096 Apr 15 13:18 cron.d
drwxr-xr-x 2 root root 4096 Aug 31 17:35 cron.daily

```

Step 8:



```
john@john-VirtualBox: /etc$ ls -l
-rw-r--r-- 1 root root 120 Sep  2 18:45 sensors3.conf
-rw-r--r-- 1 root root 120 Sep  2 18:45 shadow
-rw-r--r-- 1 root root 120 Sep  2 18:45 shells
-rw-r--r-- 1 root root 120 Sep  2 18:45 subgid
-rw-r--r-- 1 root root 120 Sep  2 18:45 subgid
-rw-r--r-- 1 root root 120 Sep  2 18:45 subuid
-rw-r--r-- 1 root root 120 Sep  2 18:45 sudo.conf
-rw-r--r-- 1 root root 120 Sep  2 18:45 sudoers
-rw-r--r-- 1 root root 120 Sep  2 18:45 sudo_logsrvd.conf

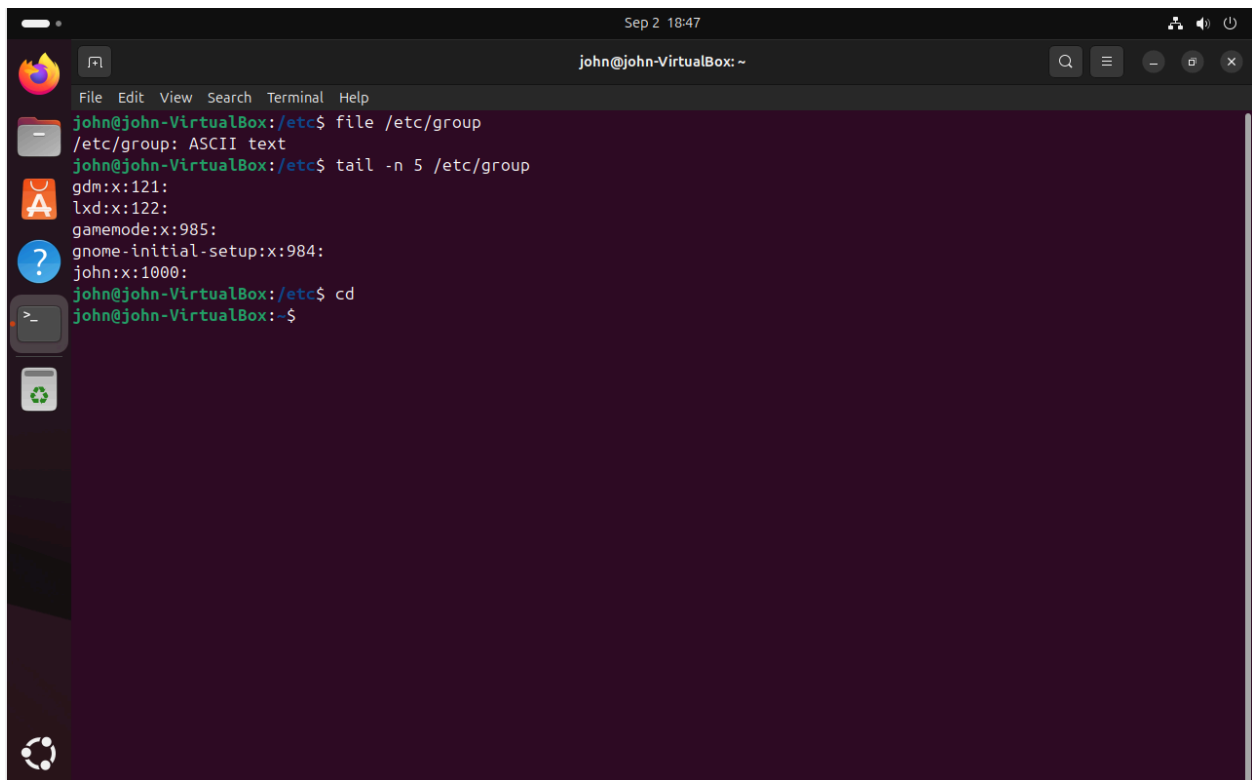
sane.d:
abaton.conf          coolscan3.conf       genesys.conf         lexmark_x2600.conf  plustek.conf        teco1.conf
agfafocus.conf       coolscan.conf        gphoto2.conf        ma1509.conf         plustek_pp.conf     teco2.conf
airscan.conf         dc210.conf           gt68xx.conf         magicolor.conf      qcam.conf           teco3.conf
apple.conf           dc240.conf           hp3900.conf         matsushita.conf     ricoh.conf          test.conf
artec.conf           dc25.conf            hp4200.conf         microtek2.conf      rts8891.conf        u12.conf
artec_eplus48u.conf  dell1600n_net.conf  hp5400.conf         microtek.conf       s9036.conf          umax1220u.conf
avision.conf         dll.conf             hp.conf             mustek.conf         saned.conf          umax.conf
bh.conf              dll.d                hpsj5s.conf        mustek_pp.conf     sceptre.conf        umax_pp.conf
canon630u.conf       dmc.conf             hs2p.conf           mustek_usb.conf     sharp.conf          v4l.conf
canon.conf           epjitsu.conf         ibm.conf            nec.conf            sm3840.conf         xerox_mfp.conf
canon_dr.conf        epson2.conf          kodakaio.conf       net.conf            snapscan.conf
canon_lide70.conf    epson.conf           kodak.conf          pie.conf            sp15c.conf
canon_pp.conf        epsonds.conf         kvs1025.conf        leo.conf            st400.conf
cardscan.conf        escl.conf            fujitsu.conf        lexmark.conf        pieusb.conf         stv680.conf
coolscan2.conf       fujitsu.conf         lexmark.conf        pixma.conf          tamarack.conf

security:
access.conf          faillock.conf        limits.conf          namespace.conf      namespace.init      pam_env.conf        pwquality.conf     time.conf
capability.conf     group.conf           limits.d             namespace.d         opasswd             pwhistory.conf     sepermit.conf

selinux:
semanage.conf

sensors.d:
sgml:
```

Step 9-11:



```
john@john-VirtualBox: ~$ file /etc/group
/etc/group: ASCII text
john@john-VirtualBox: /etc$ tail -n 5 /etc/group
gdm:x:121:
lxd:x:122:
gamemode:x:985:
gnome-initial-setup:x:984:
john:x:1000:
john@john-VirtualBox: /etc$ cd
john@john-VirtualBox: ~$
```

Steps 12-14:

```
john@john-VirtualBox: ~  
File Edit View Search Terminal Help  
john@john-VirtualBox:/etc$ file /etc/group  
/etc/group: ASCII text  
john@john-VirtualBox:/etc$ tail -n 5 /etc/group  
gdm:x:121:  
lxd:x:122:  
gamemode:x:985:  
gnome-initial-setup:x:984:  
john:x:1000:  
john@john-VirtualBox:/etc$ cd  
john@john-VirtualBox:~$ mkdir data  
john@john-VirtualBox:~$ cp /etc/passwd data  
john@john-VirtualBox:~$ sudo cp -r /etc/ppp  
[sudo] password for john:  
cp: missing destination file operand after '/etc/ppp'  
Try 'cp --help' for more information.  
john@john-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  
john@john-VirtualBox:~$ cp -r /etc/ppp . 2> error_file  
john@john-VirtualBox:~$
```

Steps 15-20:

```
john@john-VirtualBox: ~  
File Edit View Search Terminal Help  
john@john-VirtualBox:~$ mv ppp peers  
john@john-VirtualBox:~$ ls  
data Desktop Documents Downloads error_file Music peers Pictures Public snap Templates Videos ] 15/16  
john@john-VirtualBox:~$ touch test ./data  
john@john-VirtualBox:~$ cd data  
john@john-VirtualBox:~/data$ ls  
passwd  
john@john-VirtualBox:~/data$ touch test ] 17  
john@john-VirtualBox:~/data$ ls  
passwd test  
john@john-VirtualBox:~/data$ rm passwd ] 18  
john@john-VirtualBox:~/data$ ls  
test  
john@john-VirtualBox:~/data$ cd ..  
john@john-VirtualBox:~$ rm peers  
rm: cannot remove 'peers': Is a directory  
john@john-VirtualBox:~$ rm -r peers ← 19  
john@john-VirtualBox:~$ ls  
data Desktop Documents Downloads error_file Music Pictures Public snap Templates test Videos ] 20  
john@john-VirtualBox:~$
```