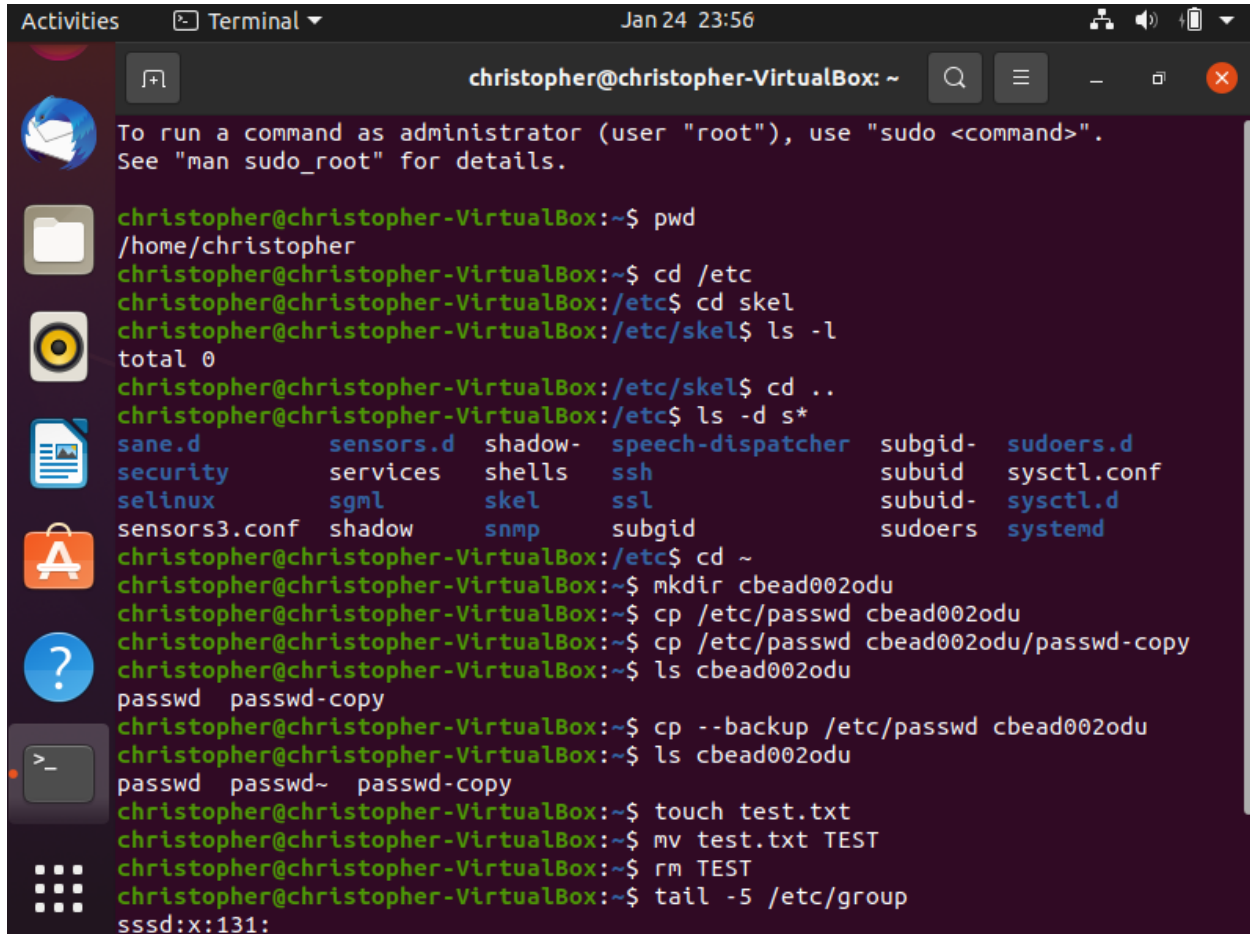


Christopher Beadles

CYSE 270

## Assignment 2-Working on Command Line

Steps 1-14



The screenshot shows a terminal window titled "christopher@christopher-VirtualBox: ~" with a timestamp of "Jan 24 23:56". The terminal displays the following commands and their outputs:

```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

christopher@christopher-VirtualBox:~$ pwd
/home/christopher
christopher@christopher-VirtualBox:~$ cd /etc
christopher@christopher-VirtualBox:/etc$ cd skel
christopher@christopher-VirtualBox:/etc/skel$ ls -l
total 0
christopher@christopher-VirtualBox:/etc/skel$ cd ..
christopher@christopher-VirtualBox:/etc$ ls -d s*
sane.d      sensors.d  shadow-   speech-dispatcher  subgid-  sudoers.d
security    services  shells    ssh                subuid-  sysctl.conf
selinux     sgml      skel      ssl                subuid-  sysctl.d
sensors3.conf shadow    snmp      subgid             sudoers  systemd
christopher@christopher-VirtualBox:/etc$ cd ~
christopher@christopher-VirtualBox:~$ mkdir cbead002odu
christopher@christopher-VirtualBox:~$ cp /etc/passwd cbead002odu
christopher@christopher-VirtualBox:~$ cp /etc/passwd cbead002odu/passwd-copy
christopher@christopher-VirtualBox:~$ ls cbead002odu
passwd  passwd-copy
christopher@christopher-VirtualBox:~$ cp --backup /etc/passwd cbead002odu
christopher@christopher-VirtualBox:~$ ls cbead002odu
passwd  passwd~  passwd-copy
christopher@christopher-VirtualBox:~$ touch test.txt
christopher@christopher-VirtualBox:~$ mv test.txt TEST
christopher@christopher-VirtualBox:~$ rm TEST
christopher@christopher-VirtualBox:~$ tail -5 /etc/group
sssd:x:131:
```

Steps 14 continued-17

```
Activities  Terminal  Jan 24 23:58
christopher@christopher-VirtualBox: ~
christopher@christopher-VirtualBox:~$ ls cbead002odu
passwd  passwd-copy
christopher@christopher-VirtualBox:~$ cp --backup /etc/passwd cbead002odu
christopher@christopher-VirtualBox:~$ ls cbead002odu
passwd  passwd~  passwd-copy
christopher@christopher-VirtualBox:~$ touch test.txt
christopher@christopher-VirtualBox:~$ mv test.txt TEST
christopher@christopher-VirtualBox:~$ rm TEST
christopher@christopher-VirtualBox:~$ tail -5 /etc/group
sssd:x:131:
lxd:x:132:christopher
christopher:x:1000:
sambashare:x:133:christopher
systemd-coredump:x:999:
christopher@christopher-VirtualBox:~$ file /etc/group
/etc/group: ASCII text
christopher@christopher-VirtualBox:~$ head -5 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
christopher@christopher-VirtualBox:~$ tail -5 /etc/passwd
gnome-initial-setup:x:124:65534:./run/gnome-initial-setup:/bin/false
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
sssd:x:126:131:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
christopher:x:1000:1000:Christopher Beadles,,,:/home/christopher:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:./usr/sbin/nologin
christopher@christopher-VirtualBox:~$
```

Steps 18-19

Activities Terminal Jan 25 00:02

christopher@christopher-VirtualBox: /home/christopher

```
christopher@christopher-VirtualBox:~$ ls -r
Videos Public Music Documents cbead.bak cbead002
Templates Pictures Downloads Desktop cbead002odu cbead
christopher@christopher-VirtualBox:~$ export -p
declare -x COLORTERM="truecolor"
declare -x DBUS_SESSION_BUS_ADDRESS="unix:path=/run/user/1000/bus"
declare -x DESKTOP_SESSION="ubuntu"
declare -x DISPLAY=":0"
declare -x GDMSESSION="ubuntu"
declare -x GJS_DEBUG_OUTPUT="stderr"
declare -x GJS_DEBUG_TOPICS="JS ERROR;JS LOG"
declare -x GNOME_DESKTOP_SESSION_ID="this-is-deprecated"
declare -x GNOME_SHELL_SESSION_MODE="ubuntu"
declare -x GNOME_TERMINAL_SCREEN="/org/gnome/Terminal/screen/d264096a_3297_46d1_ba64_f5538fae43ac"
declare -x GNOME_TERMINAL_SERVICE=":1.201"
declare -x GPG_AGENT_INFO="/run/user/1000/gnupg/S.gpg-agent:0:1"
declare -x GTK_MODULES="gail:atk-bridge"
declare -x HOME="/home/christopher"
declare -x IM_CONFIG_PHASE="1"
declare -x INVOCATION_ID="4af1f36efa77415085f0bdf86cbdfdc7"
declare -x JOURNAL_STREAM="8:34434"
declare -x LANG="en_US.UTF-8"
declare -x LESSCLOSE="/usr/bin/lesspipe %s %s"
declare -x LESSOPEN="| /usr/bin/lesspipe %s"
declare -x LOGNAME="christopher"
declare -x LS_COLORS="rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=
```

Step 19 Continued

Activities Terminal Jan 25 00:03

christopher@christopher-VirtualBox: /home/christopher

```
=34;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=
01;31:*.lha=01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:
*.tzo=01;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:
*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=01;31:*.bz=01
;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.w
ar=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;3
1:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=
01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;
35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.xp
m=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;
35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.w
ebm=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;
35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.av
i=01;35:*.fli=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.
yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;
36:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.
mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.spx=00;
36:*.xspf=00;36:"
declare -x MANAGERPID="1184"
declare -x OLDPWD="/etc"
declare -x PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/
usr/games:/usr/local/games:/snap/bin"
declare -x PWD="/home/christopher"
declare -x QT_ACCESSIBILITY="1"
declare -x QT_IM_MODULE="ibus"
declare -x SESSION_MANAGER="local/christopher-VirtualBox:@/tmp/.ICE-unix/1432,u
nix/christopher-VirtualBox:/tmp/.ICE-unix/1432"
declare -x SHELL="/bin/bash"
declare -x SHLVL="1"
```

Steps 19 finished-20

Activities Terminal Jan 25 00:03

christopher@christopher-VirtualBox: /home/christopher

```
declare -x PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin"
declare -x PWD="/home/christopher"
declare -x QT_ACCESSIBILITY="1"
declare -x QT_IM_MODULE="ibus"
declare -x SESSION_MANAGER="local/christopher-VirtualBox:@/tmp/.ICE-unix/1432,unix/christopher-VirtualBox:/tmp/.ICE-unix/1432"
declare -x SHELL="/bin/bash"
declare -x SHLVL="1"
declare -x SSH_AGENT_PID="1363"
declare -x SSH_AUTH_SOCK="/run/user/1000/keyring/ssh"
declare -x TERM="xterm-256color"
declare -x USER="christopher"
declare -x USERNAME="christopher"
declare -x VTE_VERSION="6003"
declare -x WINDOWPATH="2"
declare -x XAUTHORITY="/run/user/1000/gdm/Xauthority"
declare -x XDG_CONFIG_DIRS="/etc/xdg/xdg-ubuntu:/etc/xdg"
declare -x XDG_CURRENT_DESKTOP="ubuntu:GNOME"
declare -x XDG_DATA_DIRS="/usr/share/ubuntu:/usr/local/share/:/usr/share:/var/lib/snapd/desktop"
declare -x XDG_MENU_PREFIX="gnome-"
declare -x XDG_RUNTIME_DIR="/run/user/1000"
declare -x XDG_SESSION_CLASS="user"
declare -x XDG_SESSION_DESKTOP="ubuntu"
declare -x XDG_SESSION_TYPE="x11"
declare -x XMODIFIERS="@im=ibus"
christopher@christopher-VirtualBox:~$ HOME=
christopher@christopher-VirtualBox:~/home/christopher$
```