**Linux Management Directories**

1. **MANAGING DIRECTORIES**

**1.Change the current directory to /home/<user>**

zeus@zeus-VirtualBox:~$ pwd

/home/

zeus@zeus-VirtualBox:/home:~$ cd zeus

/home/zeus

**2.Create a directory called systems**

zeus@zeus-VirtualBox:~$ mkdir systems

**3.Create a directory called exercises. Go to this directory and create another new directory called programming**

zeus@zeus-VirtualBox:~$ mkdir exercises

zeus@zeus-VirtualBox:~$ cd exercises/

zeus@zeus-VirtualBox:~/exercises$ mkdir programing

**4.Go back to the user’s home directory. Delete the directories “exercises” and “programming” using just one command. Create the directories again with one command.**

zeus@zeus-VirtualBox:~/exercises$ cd ..

zeus@zeus-VirtualBox:~$ rm -rf exercises/

zeus@zeus-VirtualBox:~$ mkdir -p exercises/programing

**5.Print the contents of the root directory**

zeus@zeus-VirtualBox:~$ ls -l /

total 1978560

lrwxrwxrwx 1 root root 7 ago 15 19:25 bin -> usr/bin

drwxr-xr-x 4 root root 4096 ene 8 10:17 boot

drwxrwxr-x 2 root root 4096 ago 15 19:31 cdrom

drwxr-xr-x 18 root root 4100 ene 13 21:04 dev

drwxr-xr-x 142 root root 12288 ene 12 19:20 etc

drwxr-xr-x 3 root root 4096 ago 21 18:09 home

lrwxrwxrwx 1 root root 7 ago 15 19:25 lib -> usr/lib

lrwxrwxrwx 1 root root 9 ago 15 19:25 lib32 -> usr/lib32

lrwxrwxrwx 1 root root 9 ago 15 19:25 lib64 -> usr/lib64

lrwxrwxrwx 1 root root 10 ago 15 19:25 libx32 -> usr/libx32

drwx------ 2 root root 16384 ago 15 19:24 lost+found

drwxr-xr-x 10 root root 4096 dic 20 16:21 media

drwxr-xr-x 2 root root 4096 jul 31 18:28 mnt

drwxr-xr-x 4 root root 4096 nov 7 00:00 opt

dr-xr-xr-x 184 root root 0 ene 12 19:54 proc

drwx------ 10 root root 4096 oct 23 17:55 root

drwxr-xr-x 26 root root 800 ene 13 12:34 run

lrwxrwxrwx 1 root root 8 ago 15 19:25 sbin -> usr/sbin

drwxr-xr-x 5 root root 4096 dic 15 23:01 snap

drwxr-xr-x 2 root root 4096 jul 31 18:28 srv

-rw------- 1 root root 2025953280 ago 15 19:25 swapfile

dr-xr-xr-x 13 root root 0 ene 12 19:54 sys

drwxrwxrwt 18 root root 12288 ene 13 22:05 tmp

drwxr-xr-x 14 root root 4096 jul 31 18:29 usr

drwxr-xr-x 14 root root 4096 dic 15 22:57 var

**6.Print all the files and directories that begin withd in the /usr/bin directory**

zeus@zeus-VirtualBox:$ ls -l /usr/bin/d\*

**7.List all the files and directories in /etc, including subdirectories**

zeus@zeus-VirtualBox:$ ls -lR /etc

zeus@zeus-VirtualBox:$ tree /etc

**8.Create the empty files called student.txt, student1.txt, student2.txt, list, luggage and last in the directory named “systems”**

zeus@zeus-VirtualBox:$ touch systems/students{'',1,2}.txt ^C

zeus@zeus-VirtualBox:$ touch systems/l{'ist','uggage','ast'} ^C

**9.Print all the files that begin with “l” in the directory “systems”**

zeus@zeus-VirtualBox:~$ ls -l systems/l\*

-rw-rw-r-- 1 zeus zeus 0 ene 13 22:26 systems/last

-rw-rw-r-- 1 zeus zeus 0 ene 13 22:26 systems/list

-rw-rw-r-- 1 zeus zeus 0 ene 13 22:26 systems/luggage

**10.Print all the files that end with “txt” in the directory “systems”**

zeus@zeus-VirtualBox:~$ ls -l systems/\*.txt

-rw-rw-r-- 1 zeus zeus 0 ene 13 22:25 systems/students1.txt

-rw-rw-r-- 1 zeus zeus 0 ene 13 22:25 systems/students2.txt

-rw-rw-r-- 1 zeus zeus 0 ene 13 22:25 systems/students.txt

**11.Create a new directory into $HOME called “config”**

zeus@zeus-VirtualBox:/home$ pwd

/home

zeus@zeus-VirtualBox:/home$ mkdir $HOME/config

zeus@zeus-VirtualBox:/home$ ls -l zeus/

total 80

drwxrwxr-x 2 zeus zeus 4096 ene 13 22:37 config

drwxr-xr-x 2 zeus zeus 4096 ene 13 19:27 Desktop

**12.Copy all the files in /etc which begin with “a” into “config”**

zeus@zeus-VirtualBox:/home$ ls -ldp /etc/a\*

drwxr-xr-x 3 root root 4096 jul 31 18:32 /etc/acpi/

-rw-r--r-- 1 root root 3028 jul 31 18:28 /etc/adduser.conf

drwxr-xr-x 3 root root 4096 jul 31 18:30 /etc/alsa/

drwxr-xr-x 2 root root 12288 oct 6 19:58 /etc/alternatives/

-rw-r--r-- 1 root root 401 jul 16 2019 /etc/anacrontab

-rw-r--r-- 1 root root 433 oct 2 2017 /etc/apg.conf

drwxr-xr-x 5 root root 4096 jul 31 18:30 /etc/apm/

drwxr-xr-x 3 root root 4096 jul 31 18:32 /etc/apparmor/

drwxr-xr-x 7 root root 4096 ene 8 10:21 /etc/apparmor.d/

drwxr-xr-x 5 root root 4096 dic 15 16:42 /etc/apport/

-rw-r--r-- 1 root root 769 ene 18 2020 /etc/appstream.conf

drwxr-xr-x 7 root root 4096 oct 23 18:05 /etc/apt/

drwxr-xr-x 3 root root 4096 jul 31 18:32 /etc/avahi/

zeus@zeus-VirtualBox:/home$ cp /etc/a\* zeus/config/

cp: -r not specified; omitting directory '/etc/acpi'

cp: -r not specified; omitting directory '/etc/alsa'

cp: -r not specified; omitting directory '/etc/alternatives'

cp: -r not specified; omitting directory '/etc/apm'

cp: -r not specified; omitting directory '/etc/apparmor'

cp: -r not specified; omitting directory '/etc/apparmor.d'

cp: -r not specified; omitting directory '/etc/apport'

cp: -r not specified; omitting directory '/etc/apt'

cp: -r not specified; omitting directory '/etc/avahi'

zeus@zeus-VirtualBox:/home$ ls -l zeus/config/

total 16

-rw-r--r-- 1 zeus zeus 3028 ene 13 22:50 adduser.conf

-rw-r--r-- 1 zeus zeus 401 ene 13 22:50 anacrontab

-rw-r--r-- 1 zeus zeus 433 ene 13 22:50 apg.conf

-rw-r--r-- 1 zeus zeus 769 ene 13 22:50 appstream.conf

**13.Delete all the files in “config” which end with “conf”**

zeus@zeus-VirtualBox:/home$ rm zeus/config/\*.config

zeus@zeus-VirtualBox:/home$ ls -l zeus/config/

total 4

-rw-r--r-- 1 zeus zeus 401 ene 13 22:50 anacrontab