ADVANCED COMPUTER NETWORK ASSIGNMENT

Submitted By:

Submitted To:

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Roll No: 16

MCA Batch A

1)pwd

pwd command to find out the path of the current working directory (folder) you're in

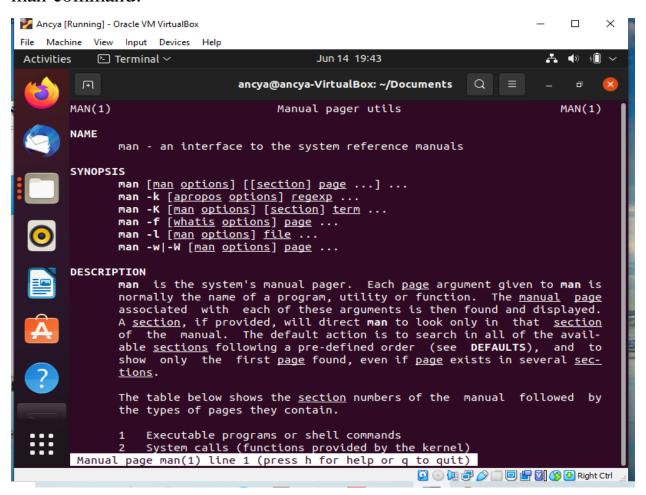
```
To run a command as administrator (user "root"), use "sudo <command>".

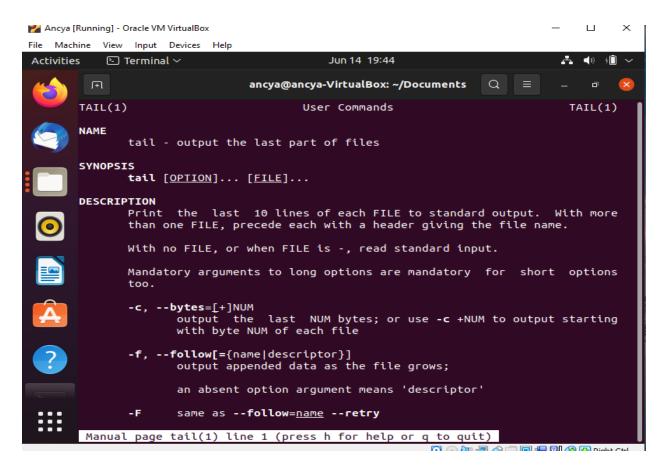
See "man sudo_root" for details.

ancya@ancya-VirtualBox:~/Documents$ pwd
/home/ancya/Documents
ancya@ancya-VirtualBox:~/Documents$
```

2)man

It can easily learn how to use them right from Linux's shell by using the man command.





3) history • When you have been using Linux for a certain period of time, you will quickly notice that you can run hundreds of commands every day. As such, running history command is particularly useful if you want to review the commands you have entered before. • #history • !command number to run a command from history

```
ancya@ancya-VirtualBox:~/Documents/files$ history
       pwd
    2*
       man ma
        man tail
    3
        ls
        ls
    б
        cd
           . .
        ls
        ls
    9
           -R
        ls
           - a
   10
        ls
   11
        cd document
   12
        cd
           Documents
   13
        cd
   14
        cd
           Music/
        cd
        cd Documents/
   16
        mkdir files
   18
        ls
   19
        cd
       mkdir files/file1
mkdir /files/file1
mkdir Documents/files/file1
   20
   22
        cd Documents/
   24
        cd files/
        rmdir file1
        touch file1.txt
```

4) cd

To navigate through the Linux files and directories, use the cd.

- cd .. (with two dots) to move one directory up
- cd to go straight to the home folder
- cd- (with a hyphen) to move to your previous directory

```
ancya@ancya-VirtualBox:~/Documents$ cd ~
ancya@ancya-VirtualBox:~$ cd Music/
ancya@ancya-VirtualBox:~/Music$ cd ..
ancya@ancya-VirtualBox:~$
```

5) Mkdir

Use mkdir command to make a new directory — if you type mkdir Music it will create a directory called Music. • To generate a new directory inside another directory, use this Linux basic command mkdir Music/Newfile • use the p (parents) option to create a directory in between two existing directories. For example, mkdir-p Music/2020/Newfile will create the new "2020" file.

```
ancya@ancya-VirtualBox:~$ mkdir Documents/files/file1
ancya@ancya-VirtualBox:~$ cd Documents/
ancya@ancya-VirtualBox:~/Documents$ cd files/
ancya@ancya-VirtualBox:~/Documents/files$ ls
file1
ancya@ancya-VirtualBox:~/Documents/files$
```

6).rmdir

If you need to delete a directory, use the rmdir command. However, rmdir only allows you to delete empty directories.

```
ancya@ancya-VirtualBox:~/Documents/files$ rmdir file1
ancya@ancya-VirtualBox:~/Documents/files$ ls
ancya@ancya-VirtualBox:~/Documents/files$
```

The touch command allows you to create a blank new file through the Linux command line. • As an example, entertouch /home/username/Documents/Web.html to create an HTML file entitled Web under the Documents directory

```
ancya@ancya-VirtualBox:~/Documents/files$ touch file1.txt
ancya@ancya-VirtualBox:~/Documents/files$ touch file2.txt file3.txt
ancya@ancya-VirtualBox:~/Documents/files$ ls
file1.txt file2.txt file3.txt
ancya@ancya-VirtualBox:~/Documents/files$
```

8)_{rm}

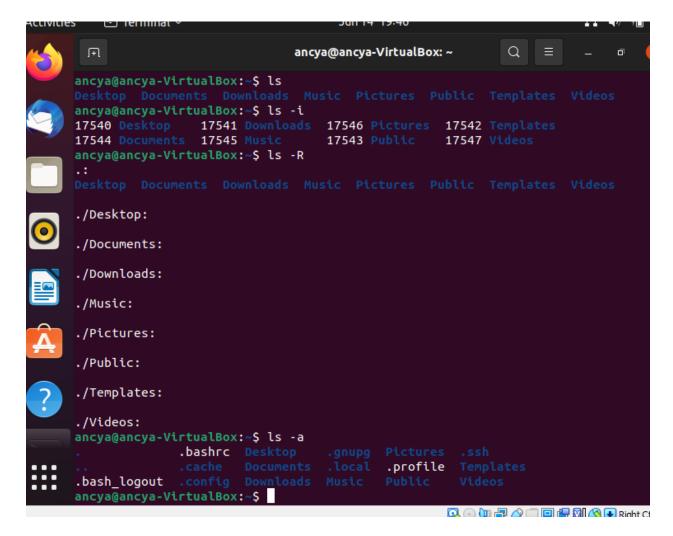
The rm command is used to delete directories and the contents within them. If you only want to delete the directory — as an alternative to rmdir — use rm -r. • Note: Be very careful with this command and double-check which directory you are in. This will delete everything and there is no undo. • To remove a file use rm filename

```
file1.txt file2.txt file3.txt
ancya@ancya-VirtualBox:~/Documents/files$ rm file3.txt
ancya@ancya-VirtualBox:~/Documents/files$ ls
file1.txt file2.txt
ancya@ancya-VirtualBox:~/Documents/files$
```

9. ls

The Is command is used to view the contents of a directory. By default, this command will display the contents of your current working directory.

- If you want to see the content of other directories, type is and then the directory's path. For example, enter is /home/username/Documents to view the content of Documents.
- There are variations you can use with the ls command:
- Is -R will list all the files in the sub-directories as well Is -I long listing Is -a will show the hidden files
- Is -all will list the files and directories with detailed information like the permissions, size, owner, etc. Is -t lists files sorted in the order of "last modified"
- Is -r option will reverse the natural sorting order. Usually used in combination with other switches such as Is -tr. This will reverse the time-wise listing.



10)cat

- cat (short for concatenate) is one of the most frequently used commands in Linux. It is used to list the contents of a file on the standard output stdout.
- To run this command, type cat followed by the file's name and its extension. For instance: cat file.txt.
- Here are other ways to use the cat command:
- cat > filename creates a new file
- cat filename1filename2>filename3 joins two files (1 and 2) and stores the output of them in a new file (3)
- to convert a file to upper or lower case use, cat filename | tr a-z A-Z >output.txt cat >>myfile insert data to a file

```
ancya@ancya-VirtualBox:~/Documents/files$ cat > file1.txt
Amal jyothi
Ancy
ancya@ancya-VirtualBox:~/Documents/files$ cat > file2.txt
ancya@ancya-VirtualBox:~/Documents/files$ cat file1.txt file2.txt
Amal jyothi
Ancy
Alexander
ancya@ancya-VirtualBox:~/Documents/files$ cat file1.txt,file2.txt>file3.txt
cat: file1.txt,file2.txt: No such file or directory
ancya@ancya-VirtualBox:~/Documents/files$ cat file3.txt
ancya@ancya-VirtualBox:~/Documents/files$ cat file1.txt file2.txt>file3.txt
ancya@ancya-VirtualBox:~/Documents/files$ cat file3.txt
Amal jyothi
Ancy
Alexander
ancya@ancya-VirtualBox:~/Documents/files$ cat file3.txt | tr a-z A-Z
AMAL JYOTHI
ANCY
ALEXANDER
ancya@ancya-VirtualBox:~/Documents/files$ cat file3.txt | tr A-Z a-z
amal jyothi
ancy
alexander
ancya@ancya-VirtualBox:~/Documents/files$
```