Linux Basic Commands Assignment

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Assignment Part-3

Playing with files

1. Create a file like nano file1.txt

o Edit some data and then save the file

2. Now we will copy date from file1 to new file2

o cp file1.txt file2.txt

o Then see the output of file2.txt, cat file2.txt

o Give screenshot

3. Now we will move the file2.txt to new folder /home

o mv file2.txt /home

o Then go to home directory and check ls, file exits or not?

o Given screenshot

```
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
abarik@abhijit-virtualbox:~$ sudo mv file2.txt /home
[sudo] password for abarik:
abarik@abhijit-virtualbox:~$ ls
blr-intern-projects  Documents  file1.txt  key.pub  key.txt.pub      Music  Pictures  Pythonwork  sshkey      Templates  Videos
Desktop              Downloads  key        key.txt  linuxshelltips.txt  norc   Public    snap        sshkey.pub  test
abarik@abhijit-virtualbox:~$ mv file2.txt /home
mv: cannot stat 'file2.txt': No such file or directory
abarik@abhijit-virtualbox:~$ cd /home
abarik@abhijit-virtualbox:/home$ ls
abarik  file2.txt
abarik@abhijit-virtualbox:/home$
```

4. Then we create a new file3.txt and file4.txt in home directory and add

content in it.

```
root@abhijit-virtualbox: /home
abarik@abhijit-virtualbox:/home$ touch file3.txt file4.txt
touch: cannot touch 'file3.txt': Permission denied
touch: cannot touch 'file4.txt': Permission denied
abarik@abhijit-virtualbox:/home$ sudo su
[sudo] password for abarik:
root@abhijit-virtualbox:/home# touch file3.txt file4.txt
root@abhijit-virtualbox:/home# chmod 777 file3.txt
root@abhijit-virtualbox:/home# chmod 777 file4.txt
root@abhijit-virtualbox:/home# cat file3.txt
root@abhijit-virtualbox:/home# cat file4.txt
root@abhijit-virtualbox:/home# vi file3.txt
root@abhijit-virtualbox:/home# vi file4.txt
root@abhijit-virtualbox:/home# echo 'Hello I am new line'>file3.txt
root@abhijit-virtualbox:/home# cat file3.txt
Hello I am new line
root@abhijit-virtualbox:/home#
```

o Now do echo "Hello I am newline" > file3.txt and provide the

output of file3.txt

o Now do echo "Hello I am newline" >> file4.txt and provide the

output of file4.txt

o Tell the different between both step you follow and the reason

behind it

when we are use single arrow sign > it means it erasing content of specific before adding new content in that file.

When we are double arrow sign >> it means appending new content without erasing existing content.

```
abarik@abhijit-virtualbox:/home$ touch file3.txt file4.txt
touch: cannot touch 'file3.txt': Permission denied
touch: cannot touch 'file4.txt': Permission denied
abarik@abhijit-virtualbox:/home$ sudo su
[sudo] password for abarik:
root@abhijit-virtualbox:/home# touch file3.txt file4.txt
root@abhijit-virtualbox:/home# chmod 777 file3.txt
root@abhijit-virtualbox:/home# chmod 777 file4.txt
root@abhijit-virtualbox:/home# cat file3.txt
root@abhijit-virtualbox:/home# cat file4.txt
root@abhijit-virtualbox:/home# vi file3.txt
root@abhijit-virtualbox:/home# vi file4.txt
root@abhijit-virtualbox:/home# echo 'Hello I am new line'>file3.txt
root@abhijit-virtualbox:/home# cat file3.txt
Hello I am new line
root@abhijit-virtualbox:/home# echo 'Hello I am new line'>>file4.txt
root@abhijit-virtualbox:/home# cat file4.txt
I am devops prp
Hello I am new line
root@abhijit-virtualbox:/home# 
```

5. For remove a file or directory you can use the below two commands

o To delete a file – rm <any_filename>

o To delete a folder – rm <any_foldername>

```
[sudo] password for abarik:
root@abhijit-virtualbox:/home# touch file3.txt file4.txt
root@abhijit-virtualbox:/home# chmod 777 file3.txt
root@abhijit-virtualbox:/home# chmod 777 file4.txt
root@abhijit-virtualbox:/home# cat file3.txt
root@abhijit-virtualbox:/home# cat file4.txt
root@abhijit-virtualbox:/home# vi file3.txt
root@abhijit-virtualbox:/home# vi file4.txt
root@abhijit-virtualbox:/home# echo 'Hello I am new line'>file3.txt
root@abhijit-virtualbox:/home# cat file3.txt
Hello I am new line
root@abhijit-virtualbox:/home# echo 'Hello I am new line'>>file4.txt
root@abhijit-virtualbox:/home# cat file4.txt
I am devops prp
Hello I am new line
root@abhijit-virtualbox:/home# rm file3.txt
root@abhijit-virtualbox:/home# ls
abarik  file2.txt  file4.txt
root@abhijit-virtualbox:/home# mkdir iNeuron
root@abhijit-virtualbox:/home# rmdir iNeuron
root@abhijit-virtualbox:/home# ls
abarik  file2.txt  file4.txt
root@abhijit-virtualbox:/home# 
```