

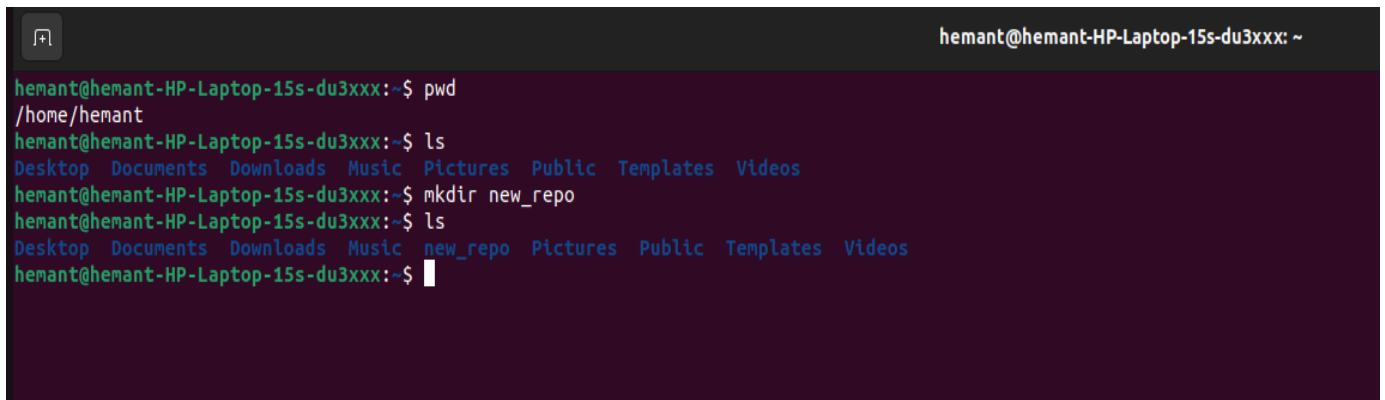
Linux Assignment

1. How to make a directory?

COMMAND DEFINITION: “mkdir” is used for making a new directory .

Syntax : mkdir my_directory

OUTPUT :

A terminal window with a dark purple background. The title bar shows a window icon and the text "hemant@hemant-HP-Laptop-15s-du3xxx: ~". The terminal content shows the following commands and output:

```
hemant@hemant-HP-Laptop-15s-du3xxx:~$ pwd
/home/hemant
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ mkdir new_repo
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop Documents Downloads Music new_repo Pictures Public Templates Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$
```

2. Remove a directory .

COMMAND DEFINITION: “rm ” This command is used to remove or delete a directory.

Syntax : rm file_name “or” rm-r folder_name.

```
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ mkdir hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm hemu.txt
rm: cannot remove 'hemu.txt': Is a directory
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm hemu.txt
rm: cannot remove 'hemu.txt': Is a directory
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ pwd
/home/hemant/hemant_1
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm -r
rm: missing operand
Try 'rm --help' for more information.
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ touch hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$
```

3. Make a copy of a file :

COMMAND DEFINITION: “cp” It is used to copy a file to another file at different locations.

Syntax : CP Source_file destination_file .

```
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cd ..
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  Music  new_repo  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ cd new_repo
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ rm manish.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cat rahul.txt
hello
rahul

bye

hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cp rahul.txt
cp: missing destination file operand after 'rahul.txt'
Try 'cp --help' for more information.
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cp rahul.txt manish.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cat manish.txt
hello
rahul

bye

hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$
```

4. Move or Rename a file

COMMAND DEFINITION: “ mv “ This command is used to move or rename a file from one location to another

Syntax : mv file1 fl

```

bye

hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ pwd
/home/hemant/new_repo
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cd ..
hemant@hemant-HP-Laptop-15s-du3xxx:~$ pwd
/home/hemant
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop Documents Downloads Music new_repo Pictures Public Templates Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ cd ..
hemant@hemant-HP-Laptop-15s-du3xxx:/home$ cd new_repo
bash: cd: new_repo: No such file or directory
hemant@hemant-HP-Laptop-15s-du3xxx:/home$ ls
hemant
hemant@hemant-HP-Laptop-15s-du3xxx:/home$ cd hemant/new_repo
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ mv manish.txt hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cat hemu.txt
hello
  rahul

bye

hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ ls
hemu.txt  rahul.txt  raj.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$

```

5. Create an empty file

COMMAND DEFINITION: “touch” touch command is used to create an empty file.

Syntax: touch file_name

```

hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ mkdir hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm hemu.txt
rm: cannot remove 'hemu.txt': Is a directory
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm hemu.txt
rm: cannot remove 'hemu.txt': Is a directory
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ pwd
/home/hemant/hemant_1
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm -r
rm: missing operand
Try 'rm --help' for more information.
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ touch hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ rm hemu.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ ls
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemant_1$ █

```

6. Remove multiple files with a single command

COMMAND DEFINITION: “rm *.type” This command is used to delete a file. This command is used to delete all the files with .txt extension.

Syntax : rm file1 file2 file3 ..rm*.txt

OUTPUT

```

bye

hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ ls
hemu.txt rahul.txt raj.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cd ..
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop Documents Downloads Music new_repo Pictures Public Templates Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ rm -r new_repo
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ █

```

7. Remove content from the folder without removing folder

COMMAND DEFINITION: This command is used to delete the files collectively within a directory.

Syntax: `rm -r folder_name/*`

OUTPUT

```
bye
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ ls
hemu.txt  rahul.txt  raj.txt
hemant@hemant-HP-Laptop-15s-du3xxx:~/new_repo$ cd ..
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  Music  new_repo  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ rm -r new_repo
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$
```

8. Create multiple folders(a-z) with a single command

COMMAND DEFINITION: “`mkdir {a..z}`” This command is used to create multiple directory in one go by a single command.

Syntax: `for index in {a..z}; do mkdir “/repo/./repo_name/$i”;`

OUTPUT

```
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ pwd
/home/hemant
hemant@hemant-HP-Laptop-15s-du3xxx:~$ for mkdir hemu_1
bash: syntax error near unexpected token `hemu_1'
hemant@hemant-HP-Laptop-15s-du3xxx:~$ mkdir hemu_1
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  hemu_1  Music  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ pwd
/home/hemant
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  hemu_1  Music  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ for i in {a..z}; do mkdir "/home/hemant/hemu_1/$i" ;done
hemant@hemant-HP-Laptop-15s-du3xxx:~$ ls
Desktop  Documents  Downloads  hemu_1  Music  Pictures  Public  Templates  Videos
hemant@hemant-HP-Laptop-15s-du3xxx:~$ cd hemu_1/
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemu_1$ ls
a  b  c  d  e  f  g  h  i  j  k  l  m  n  o  p  q  r  s  t  u  v  w  x  y  z
hemant@hemant-HP-Laptop-15s-du3xxx:~/hemu_1$
```

