

LINUX ASSIGNMENT

1. How to make a directory?

COMMAND DEFINITION: mkdir : mkdir (Make Directory) command is used to create a directory.

COMMAND: mkdir sample

DESCRIPTION:

mkdir: It is used to create a directory

sample: Name of directory

OUTPUT:

```
[root@rdhat ~]# mkdir sample
[root@rdhat ~]# ls -l
total 32
-rw-----. 1 root root 1938 Nov  6 06:42 anaconda-ks.cfg
-rw-r--r--. 1 root root 9238 Nov  6 06:42 ks-post.log
-rw-----. 1 root root 2406 Nov  6 06:42 original-ks.cfg
drwxr-xr-x. 2 root root 4096 Dec 13 10:19 sample
-r-xr-xr-x. 1 root root 7332 Nov  6 06:40 vboxpostinstall.sh
[root@rdhat ~]#
```

2. Remove a directory

COMMAND DEFINITION: rm : (Remove) this command is used to remove or delete a directory.

COMMAND: rm sample

DESCRIPTION:

rm -r: this is used to delete the entire directory.

sample: Name of directory to be deleted.

OUTPUT:

```
[root@rdhat ~]# rm -r sample
rm: remove directory 'sample'? y
[root@rdhat ~]# ls
anaconda-ks.cfg  ks-post.log  original-ks.cfg  vboxpostinstall.sh
[root@rdhat ~]# _
```

3. Make a copy of a file

COMMAND DEFINITION: cp : (Copy) - It is used to copy a file to another file at different locations.

COMMAND: cp file1 file2

DESCRIPTION:

cp: It is used to copy a file.

file1: The file that can be copied

file2: The file where content of file1 or simply file1 be pasted

OUTPUT:

```
[root@rdhat ~]# cat >> file1
This is the that will be copied to file2
^C
[root@rdhat ~]# cp file1 file2
[root@rdhat ~]# cat file2
This is the that will be copied to file2
[root@rdhat ~]#
```

4. Move or Rename a file

COMMAND DEFINITION: mv : (move)- This command is used to move or rename a file from one location to another.

COMMAND: mv file1 f1

DESCRIPTION:

mv: mv command is used to move a file from one location to another

file1: This is the file that we have to move

f1: This is the directory location where we have to bring the file2 after moving from its original path.

OUTPUT:

```
[root@rdhat ~]# ls
anaconda-ks.cfg  f2      file2      original-ks.cfg
f1              file1   ks-post.log vboxpostinstall.sh
[root@rdhat ~]# mv file1 f1
[root@rdhat ~]# cd f1
[root@rdhat f1]# ls
file1
```

5. Create an empty file

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

COMMAND: touch empty-file

DESCRIPTION:

Touch: This command is used to create an empty file.

empty-file: This is the name of an empty file that has been created.

OUTPUT:

```
[root@rdhat f1]# touch empty-file
[root@rdhat f1]# cat empty-file
[root@rdhat f1]#
```

6. Remove multiple files with a single command

COMMAND DEFINITION: `rm *.type` : This command is used to delete a file.

COMMAND: `rm *.txt`

DESCRIPTION:

`rm`: This command is used to delete a file.

`*.txt` : This command is used to delete all the files with `.txt` extension.

OUTPUT:

```
[root@rdhat f1]# ls
1.txt 2.txt 3.txt 4.txt 5.txt empty-file
[root@rdhat f1]# rm *.txt
rm: remove regular empty file '1.txt'? y
rm: remove regular empty file '2.txt'? y
rm: remove regular empty file '3.txt'? y
rm: remove regular empty file '4.txt'? y
rm: remove regular empty file '5.txt'? y
[root@rdhat f1]#
```

7. Remove content from the folder without removing folder

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

COMMAND: `find f2 -type f -delete`

DESCRIPTION:

find (name of directory) -type f -delete: This is the command that is used to delete the files collectively within a directory.

f2: This is the folder name from which we have to delete the content.

OUTPUT:

```
[root@rdhat ~]# ls
anaconda-ks.cfg  f1  f2  ks-post.log  original-ks.cfg  vboxpostinstall.sh
[root@rdhat ~]# find f2 -type f -delete
[root@rdhat ~]# cd f2
[root@rdhat f2]# ls
[root@rdhat f2]# _
```

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.

COMMAND: mkdir {a..z}

DESCRIPTION:

mkdir {a..z} : This command is used to create a to z directories bu using a single command.

OUTPUT:

```
[root@rdhat ~]# mkdir {a..z}
[root@rdhat ~]# ls
a          f          i          n          s          x
anaconda-ks.cfg  f1         j          o          t          y
b          f2         k          original-ks.cfg  u          z
c          file2      ks-post.log  p
d          g          l          q
e          h          m          r          w
[root@rdhat ~]#
```

