
Part B

Identify True or False:

1. ls is used to list files and directories in a directory.

True:

ls is use to list files and directories in a directory.

```
root@POOJA: ~  
root@POOJA:~# ls  
LinuxAssignment  duplicate.txt  file1.txt  mkscripts  output.txt  source_directory  
data.txt         duplicate.txt.save  fruit.txt  mydir      path        touch  
destination_directory  duplicate_sort.txt  fruit1.txt  myscripts  script.sh  
docs.tar.gz       file.txt       input.txt  numbers.txt  search  
root@POOJA:~#
```

2. mv is used to move files and directories.

True:

mv is used to move files and directories.

```
docs.tar.gz  file.txt  input.txt  numbo  
root@POOJA:~# cat file1.txt  
Hii  
pooja here.  
4+4+4 is very best pattern for cdac.  
root@POOJA:~# cat file.txt  
#!/bin/bash  
name="Productive"  
echo $name  
root@POOJA:~# mv file1.txt file.txt  
root@POOJA:~# cat file.txt  
Hii  
pooja here.  
4+4+4 is very best pattern for cdac.  
root@POOJA:~# |
```

3. cd is used to copy files and directories.

False:

it is used to change the current directory.

4. pwd stands for "print working directory" and displays the current directory.

True: pwd displays the current directory.

```
root@POOJA: /path/to/se × + v
root@POOJA:~# pwd
/root
root@POOJA:~# cd /path/to/search/
root@POOJA:/path/to/search# pwd
/path/to/search
root@POOJA:/path/to/search# |
```

5. grep is used to search for patterns in files.

True: grep is used to search for patterns in files.

```
root@POOJA:~# touch file1.txt
root@POOJA:~# vim file1.txt
root@POOJA:~# cat file1.txt
Hii
pooja here.
4+4+4 is very best pattern for cdac.
root@POOJA:~# grep "pattern" file1.txt
4+4+4 is very best pattern for cdac.
root@POOJA:~# |
```

6. chmod 755 file.txt gives read, write, and execute permissions to the owner, and read and execute permissions to group and others.

True: `chmod 755 file.txt` gives read, write, and execute permissions to the owner, and read and execute permissions to group and others.

```
root@P00JA:~# vim script.sh
root@P00JA:~# cat script.sh
hii CDAC-Mumbai.
root@P00JA:~# chmod 755 script.sh
root@P00JA:~# ls -l script.sh
-rwxr-xr-x 1 root root 17 Aug 30 21:09 script.sh
root@P00JA:~# |
```

7. `mkdir -p directory1/directory2` creates nested directories, creating `directory2` inside `directory1` if `directory1` does not exist.

True: `mkdir -p directory1/directory2` creates nested directories, creating `directory2` inside `directory1` if `directory1` does not exist.

```
root@P00JA:~# ls
LinuxAssignment  directory1  duplicate.txt.save  fruit.txt  mkscripts  numbers.txt  script.sh  touch
data.txt        docs.tar.gz  duplicate_sort.txt  fruit1.txt  mydir      output.txt  search
destination_directory  duplicate.txt  file.txt          input.txt  myscripts  path        source_directory
root@P00JA:~# ls -l directory1
total 4
drwxr-sr-x 2 root root 4096 Aug 31 00:08 directory2
root@P00JA:~# mkdir -p directory1/directory2
root@P00JA:~# ls
LinuxAssignment  directory1  duplicate.txt.save  fruit.txt  mkscripts  numbers.txt  script.sh  touch
data.txt        docs.tar.gz  duplicate_sort.txt  fruit1.txt  mydir      output.txt  search
destination_directory  duplicate.txt  file.txt          input.txt  myscripts  path        source_directory
root@P00JA:~# ls -l directory1
total 4
drwxr-sr-x 2 root root 4096 Aug 31 00:08 directory2
root@P00JA:~# cd directory1
root@P00JA:~/directory1# ls -l
total 4
drwxr-sr-x 2 root root 4096 Aug 31 00:08 directory2
root@P00JA:~/directory1# cd directory2
root@P00JA:~/directory1/directory2# ls
root@P00JA:~/directory1/directory2# ls -l
total 0
root@P00JA:~/directory1/directory2# |
```

8. `rm -rf file.txt` deletes a file forcefully without confirmation.

True: `rm -rf file.txt` deletes a file

```
cat: file.txt: No such file or directory
root@P00JA:~# touch text.txt
root@P00JA:~# touch file.txt
root@P00JA:~# cat file.txt
root@P00JA:~# rm -rf file.txt
root@P00JA:~# cat file.txt
cat: file.txt: No such file or directory
root@P00JA:~# |
```

Identify the Incorrect Commands:

1. chmodx is used to change file permissions.

Ans: -- It is not chmodx. It is chmod use for to change permission.

2. cpy is used to copy files and directories.

Ans: -- It is not cpy. It is cp use for copy one file to another file.

3. mkfile is used to create a new file.

Ans: -- It is not mkfile. not use in linux. We use touch to create new file.

4. catx is used to concatenate files.

Ans: It is not catx command. It is a cat command to concatenate the files.

5. rn is used to rename files.

Ans :-- It is Not rn . It is mv to rename the files.