LINUX DAY-3

DIRECTORIES :

To change directory : cd foldername

To get the present working directory : pwd

To go to root directory : cd (or) cd ~

To go back to previous folder : cd -

To go to one step back folder : cd ../

To go back to 2 steps back : cd ../../

To create a directory inside a directory : mkdir folder1/folder2

To check the list of files & folders in folder1 : ll folder1

To create parenting directories : mkdir -p folder1/folder2/folder3/folder4

To create a file inside a folder : touch foldername/filename

COPY COMMAND: cp source destination

command: cp file1 file2

explination: data from file1 copes to file2

If we use this command the data will gets overwrite from file2, To avoid that we can use cat command

cat file1 >> file2 -----> this command will only copies the data, it will not overwrite the data

Copy the file to directory : cp filename directory

MOVE COMMAND: mv source destination

command : mv file1 file2

We will use this command to rename the file as well

Move the file to directory : mv filename directory

To compare multiple files at a time : cmp file1 file2

To get the difference from multiple files : diff file1 file2

ANALYSIS ABOUT THE FILE:

-rw-r--r-- 1 root root 41 Sep 19 15:46 aws

TYPE OF THE FILE:

Regular files : - (hyphen)

Directory files : d

Character files : c

Blocked files : b

PERMISSIONS OF A FILE:

r : read ----> 4

w : write ----> 2

x : execute -----> 1

hyphen (-) : nothing -----> 0

user permissions : rw-   :   4 + 2 + 0 = 6

group permissions : r-- :   4 + 0 + 0 = 4

others permissions : r-- :   4 + 0 + 0 = 4

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overall file permissions : 644

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example:

-w- : 0 + 2 + 0 = 2

rw- : 4 + 2 + 0 = 6

--x : 0 + 0 + 1 = 1

ACCESS CONTROL LIST:

Here ACL should be 1 for the file

ACL should be 2 for the folder

OWNERS OF A FILE (root root)

root : user

root : group

NO OF CHARACTERS IN A FILE (41)

FILE CREATION DETAILS :

Sep 19 15:46

FILE NAME : (aws)