***Linux Commands:***

* **pwd** 🡺 It will show where you are
* **explorer.exe .** 🡺Open Home-User Folder
* **ls** 🡺 List Files

**ls -l** 🡺 List the files with details

**ls -a** 🡺List the hide files

* **cd ..** 🡺 Navigate up one directory

**cd /** 🡺 Navigate root directory

**cd -** 🡺 Navigate previous directory

**cd ~** 🡺 Navigate home directory

* ls /mnt/  
  cd /mnt/c  
  cd Users  
  cd yasint  
  cd Desktop
* **mkdir FolderName** 🡺 Create Folder

**rmdir FolderName** 🡺 Delete empty folder

**rm -r Folder Name** 🡺 Delete folder

**mkdir -pv new1/new2 :** Create new2 folder inside of the new1 **(p** parent **v** verbos)

* **touch FileName** 🡺 Create file

**touch FileName {1..6}** 🡺 Create more files

* rm **FileName**🡺 Delete file

**Ex: touch folder1/newfile 🡺 (Create newfile inside the folder1)**

* **cp FileName FolderName** 🡺 Copy file to folder
* **mv FileName FolderName** 🡺 Move or rename file inside to folder
* **cat FileName** 🡺 Show content of file
* **file FileName** 🡺 To show type of file
* **echo “word” > FileName** 🡺 Write “word” inside the file and delete previous content

**echo “word” >>** **FileName** 🡺 Write “word” below last line of the file

***Filtration:***

\*: Multiple character

?: Single character

Ex: \*f\* : All the files include f

f?le\* : Second any letter and anything after le files

* vim **FileName**: Open the inside the file to editing writing

**Save and quit**: Click **esc** then type:**wq**

Ctr a: Pointer top of the of file

Ctr e: Pointer will go end of the file

Ctrl l: clear

Ctr u: clear one line

* **cat > new file**: Create “new file” and inside to type (ctrl-d to exit)
* **cat file1 >> file2**: Content of file1 append to the file2

**cat >> file.txt**: Create file.txt and goes to prompt of file write to last line (Exit prompt: **ctrl-d**)

* more: Show full content

less: Show the content according to the size of window, slide the content

* head: Show first 10 lines in file

tail: Show last 10 lines in file

head filename

head -4 filename: Show first 4 lines

* nano –version: Install nano last version

or

sudo apt install nano

nano File Name: Inside to the file for writing (like vim)

* history : Show all command history

history >history.text: Create history.text file for the history command

* (Manual) **man ls** : Show the list parameters (Exit with q)

(info) **inf ls** : List parameters with details

**mkdir –help** : Summary of command needs

**clear**: Clear screen

***Authorization:***

* chmod u-x,g+w,o+x **FileName**
* Read: r = 4, Write w = 2, Execute x = 1

User u, Group g, Others o

Ex: 4+2+1 = 7 / ugo-rwx = 777 = full access

* **ping** [**www.clarusway.com**](http://www.clarusway.com) :  Troubleshooting, testing, and diagnosing network connectivity issues.
* **ssh username@hos\_ip**: To use computer of others
* **whoami**: user name of current user
* **Tab**: Automatic completion of command, file name
* **Sequential commands ( separate with ; ) :** command1;command2;command3
* **&&**: If more command will run one times

**Ex:** configure&&make&&make install

* **sudo apt update && sudo apt upgrade -y”** Update computer at one line

***Operators:***

* && = and, -a
* || = or, -o