***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
* **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

***Vi/Vim:***

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

**i** 🡺 insert mode

**Save and quit**🡺 **esc** **:wq or esc shift + zz**

**Quit 🡺 esc :q!**

/”word” : search any word

**:%s/hello/good:** change the hello to the good

* Vim comment mode:

x: delete, u: undo

yy: copy a line 🡪 p:paste line

dd: delete a line

o: insert blank line

**Nano:**

* **nano –version: Install nano last version**

or

**sudo apt install nano**

**nano “File Name”**: Inside to the file for writing

**CAT:**

* **cat file1 file2 …** 🡺 Show content of files
* **cat > new file**: Create “new file” and inside to type (ctrl-d to exit)
* **cat file1 file2 file3 > all.txt**: Copy the content of file1,2,3 to all.txt
* **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 “file name”**: Show first 10 lines in file

**tail “file name”**: Show last 10 lines in file

* **Ctr a**: Pointer top of the of file

**Ctr e:** Pointer will go end of the file

**Ctr u**: delete the command line

**Ctrl l**: clear (previous command upper side available)

**clear**: Clear screen

* **history** : Show all command history

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

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

***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

***Operators:***

* && = and, -a
* || = or, -o
* wget <url> 🡪 Download files from servers
* curl <url> 🡪 Tool that let's you exchange requests/responses with a server