Process management en lines

It generally takes an input, processes it and give, in the appropriate output.
There are barically 2 types of processes

\* Foreground processes

Such kind of processes are known as interactive processes. These are the processes which are to be executed or initiated by the user or the programmer, they can not be initialized by system services.

\*Background processes (non interactive processes)

These are the processes that are to be executed or initiated by the system itself or by users, though they can even be managed by users.

Eg: Foreground process

- . Sleep 5; This command will be executed in the Learning and we would be able to execute another command after the execution of this command
- · Sleep100: Stopping a process in between of its execution. To stop a foreground process in between of its execution we can press ctrl 1 % to force stop it.
- · jobs: To get the list of jobs that are either running on

background. This will start the stopped and pending processes in the background

PS-effgrepsleep: To get details of a process runing in background

·fg: To run all the pending and force stopped joks in the foreground. This will start the stopped and pending processes in the foreground

## User management

A wer is an entity, that can manipulate files and perform several other operations. Buch user in assigned an ID that is unique for each user in the OS.

· awk -t': 'Eprint \$13/letc/parswd

To list out all the work in linux, we the auck command with -F option. Here we are accessing a file and printing only first column with the help of prine \$1 and auch.

· id username

Using id command, we can get the ID of any usurname. Every user has an id assigned to it and the user is adentified with the help of this id.

· Sudo useradd username

The command to add a user useredd commands adds a new user to the directory. The user is given the ID automatically depending on which calegory it falls in

· passud usverane

user. After using this command we have to enter the new password for the user and then the password gets updated to the new password.

Group oreation

Group rejer le la user groups.

- · Ground de mend is used to create a new wer group.

  syntax: groupadd [aption] group-name
  - eg: sudo groupadd developers
- · Every new group vieated is oregistered in the file "kt (group"
  To verify that the group has been created, enter the
  command

Syntase; sudo lail/etc/group

. The file shows group information in the following format: group-name: password: group id: list of-members

- the group with given abundly exists.
- . 9, gid 610: This optim is used to provide a group id to the new group
- · h. help; Dieplay help meetage and exit.

## File permission

- 3 types of pouniusione
- · read (r): The read peremission allows you to open and read the content of a file. But we can't do any editing or modification in the file.
- · while (10): The write permission allows you to edit, remove or rename a file. If a file is present in a directory, and write permission is but on the file but not on the directory.
- · Execute(x): nel caril run or execute a program unless execute permission il tel.
  - : denotes file type
- rw-: permission for uses
- rn : pumissim for group
- r -- : permittion for other

absolute method

| Ochal | binary | tile node |
|-------|--------|-----------|
| 0     | 000    | ~ · ~ · ~ |
| (     | 001    | X         |
| 2     | 010    | -W-       |
| 3     | 0 11   | - W X     |
| 4     | 100    | Υ         |
| 5     | (0)    | ~ - ×     |
| 6     | 110    | Y W -     |
| 7     | 111    | YW X      |

eg:

Chmod 777 red. txt

The above command will give permission to read, weils and execute