A process means program in execution. It generally etates an input, process it and igines the appropriate output. There are 2 types of processes

1. Foreground processes:

These on the process which we to be executed 101 initiated by the user or programmer, they cannol be civitialized by system vourices. Such processes take the input from the user and settern the output. while these processes are running une cannot directly initiate a new procen from the same tourinal.

2. Background process:

These are the processes to be executed or initiated by the system itself or by users, though they can wen le managed by users. These processes have a unique PID or prous if assigned to them and me can initiate other processes within the same terminal from which they wu unitiated

Example for foreground processor

1- wheep 5

This command will be executed in the terminal and un would be able to execute another command after the execution of the above command

2. To stop a process in between the uscaction, the user has
to press Ctrl + 2 to force vstop the grocess
when 100

17 [1]+ stopped sleep 100

3. To get the list of your which are ourning we estopped.
John

[1]+ stopped sleep 100

4 To run all the pending and force stopped jobs in the background.

Johns.

[1] + stopped sleep 100

bg

[1]+ Sleep 100 &

John

[1]+ vunning sleep 100 &

- 5 To get details of a procen sunning in background ps - et I gup sleep.
- 6. To sun all the pending and force stopped jobs in the foreground.

fg

Moir Management.

A wor is an untity that can manipulate files and upuform rewrat within operations. Each were is consigned a ID which is unique for each user in the operating system.

1. To list out all the weeks in Linux, use awk command with -f option. Here we core accerning a file and printing only first column with the help of print \$1 and awk

awk -f': '{print \$13' / etc / panwd

2. Using i'd command, you can get the IDOJ any username.

Lucry user has an i'd assigned to it and the user is identified with the help of this i'd. By default, this id is also the igroup i'd of the user

id usvename

3. The command to add a user. Useradd command adds new war to the directory. The user is given the I D automotically. The username to the assiprovided by us in the Command

isuolo and useradd usernami

4. Using spanswed command to assign in yoursword to a user.

After using this command we have to enter the new password

you the user and then the password gets updated to the

new password

passed user name.

- * Group wreation.
 - syntax: group add group name
- * setting password to group

 gpasswd Group!

 New password

 Re-enter password
- * To add a user to an existing ignoup usermod G group-name susername
- * To delete va user from va group gparswa -d username groupname
- * To delete the whole group groupdel groupname

FILE PERMISSIONS

Linux have three types of permissions defined.

- Read (4): The read pointission callours you to open cand read atte content of a file. But you can't do any editing or modification in the file
- 2 Write (w): The write spermission vallows you to edit, remove we rename a file. For instance, if a file is spermission in set on spresent up a idirectory, and write opermission is set on the file but not on the directory. Then you can edit the file but not on the directory or remove, or remove, or remove and its content of the file but con't remove, or remove.

- 3. Execute (x): In Unix type system, you can't run or execute a program unless execute permission is set. But in windows there is no such permission evailable
- * To add permissions

 chmod + + tox filename
- * To remove yourissions

 Chmod rwx directory name
- * To allow executable file permissions

 Chmod +x filename
- * To take out write and executable permissions chand -wx filename

Amounte method File mode Binary Octal 000 0 001 - w-010 2 - w x 011 3 100 4 7 - X 101 5 rw-110 v w x 1 1 1 7