

## Linux Shell Scripting

### Unit -5

#### Process Command

- **top command**

The top program provides a dynamic real-time view of a running system.

```
# top
```

- **dig** is useful for network troubleshooting and for educational purposes.

```
# dig pts/1
```

- **ps** command to find out what processes are running on your system.

```
# ps -ef
```

```
# ps -e
```

Where:

-e to display all the processes.

-f to display full format listing.

- **Kill** : We mostly use the kill command for terminating or killing a process.

#Listing all the signal names.

```
# kill -l
```

- The **mount** command [mounts](#) a [storage device](#) or [filesystem](#), making it accessible and attaching it to an existing [directory](#) structure.

The listing and help.

```
# mount -h
```

prints a help message

```
# mount -V
```

prints a version string

```
# mount -l
```

lists all mounted filesystems

```
# mount
```

View All Mounts

- **bg** to make that command to execute in background.

# bg

Run any command like top then

**bg %1** — Move the 1<sup>st</sup> active job to background.

- **fg** = continues a stopped job by running it in the foreground

**fg** – Typing fg alone will resume the first job were it was left off.

**fg %1** – specifying the job (in this case 1) will resume that particular job. The job id can be determined by running bg  
Then kill %1 and see

### **jobs command : View all the background jobs**

1. You can list out the background jobs with the command **jobs**.
2. Lists the status of all running jobs.

# jobs

Display lists process IDs (PIDs) only

# jobs -p

display only jobs that have stopped?

jobs -s

### **Communication Command**

- Finger : **finger** looks up and displays information about system users.
- Talk : Chat with other logged-in users.
- Mesg : The **mesg** command allows you control write access to your [terminal](#) by other users.

**mesg syntax**

mesg [n|y]

**Options**

**n** - Prevents the display of terminal messages from other users.

This is like using a "do not disturb" sign.

**Y** - Allows messages to be displayed on your screen.

- Wall : Send a message to all logged-in users.
- Write: Send a message to another user.

- Mailx : Send and receive mail.