Activity_9_B_Process management!

Steps

Login to your machine.

To list the running process
 # ps
 # ps -a

```
[nishant@ip-172-16-1-243 ~]$ ps
    PID TTY          TIME CMD
  71490 pts/3    00:00:00 bash
  71569 pts/3    00:00:00 ps
[nishant@ip-172-16-1-243 ~]$
```

Whatever we do in Linux is a process, either executing a single command is a process itself.
Let's run a sleep command and see if there are any new process added to the ps command

 # sleep 60 &
        & is to run command in background.
 # ps -a
Now we can see sleep process is also visible.

```
[ec2-user@ip-172-16-1-243 ~]$ sleep 60 &
[1] 72447
[ec2-user@ip-172-16-1-243 ~]$ ps -a
    PID TTY          TIME CMD
  71403 pts/1    00:00:00 su
  71404 pts/1    00:00:00 bash
  72447 pts/2    00:00:00 sleep
  72448 pts/2    00:00:00 ps
[ec2-user@ip-172-16-1-243 ~]$
```

Now, If you check the ps -a again, the sleep process would be finished, because we used command slepp 60, that means it was valid for 60 seconds only.
 # ps -a

```
[ec2-user@ip-172-16-1-243 ~]$ ps -a
    PID TTY          TIME CMD
  71403 pts/1    00:00:00 su
  71404 pts/1    00:00:00 bash
  72451 pts/2    00:00:00 ps
[1]+  Done                    sleep 60
[ec2-user@ip-172-16-1-243 ~]$ 
```

Let's run sleep for 300 seconds, this time we will kill the process.

sleep 300 &
ps -a
kill pid(replace your pid)
ps -a

Expected output

```
[ec2-user@ip-172-16-1-243 ~]$ sleep 300 &
[1] 72610
[ec2-user@ip-172-16-1-243 ~]$ ps -a
    PID TTY          TIME CMD
  71403 pts/1    00:00:00 su
  71404 pts/1    00:00:00 bash
  72610 pts/2    00:00:00 sleep
  72611 pts/2    00:00:00 ps
[ec2-user@ip-172-16-1-243 ~]$ kill 72610
[ec2-user@ip-172-16-1-243 ~]$ ps -a
    PID TTY          TIME CMD
  71403 pts/1    00:00:00 su
  71404 pts/1    00:00:00 bash
  72612 pts/2    00:00:00 ps
[1]+  Terminated              sleep 300
[ec2-user@ip-172-16-1-243 ~]$ 
```

Let's use command to check free ram in GB and MB

free -m && free -g

Let's use below command to check disk details of your system.

df -h

Let's use top command to do run time monitoring of processes.

top