NEW YORK CITY COLLEGE OF TECHNOLOGY
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LAB REPORT
EMT 2390L – OL76

(OPERATING SYSTEM LABORATORY)

LAB #9

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Commands

ps -ef – This command finds the process ID and the unique number of the process.


```
pujaroy@DESKTOP-U16R768: ~
pujaroy@DESKTOP-U16R768:~$ ps -ef
UID         PID  PPID  C STIME TTY          TIME CMD
root          1     0  2 22:34 ?        00:00:00 /init
root          7     1  0 22:34 tty1     00:00:00 /init
pujaroy       8     7  2 22:34 tty1     00:00:00 -bash
pujaroy      24     8  0 22:34 tty1     00:00:00 ps -ef
pujaroy@DESKTOP-U16R768:~$
```

top -u – This command shows the Linux processes and display summary information of the system.


```
pujaroy@DESKTOP-U16R768: ~
pujaroy@DESKTOP-U16R768:~$ top -u
top: -u requires argument
pujaroy@DESKTOP-U16R768:~$
```

jobs – This command shows jobs which run in the background and if the prompt returns nothing then there is no job present in the system.


```
pujaroy@DESKTOP-U16R768: ~
pujaroy@DESKTOP-U16R768:~$ jobs
pujaroy@DESKTOP-U16R768:~$ jobs files
-bash: jobs: files: no such job
pujaroy@DESKTOP-U16R768:~$
```

bg - This command resumes the suspended jobs in the background by returning the user to shell prompts while the job runs.


```
pujaroy@DESKTOP-U16R768: ~
pujaroy@DESKTOP-U16R768:~$ bg
-bash: bg: current: no such job
pujaroy@DESKTOP-U16R768:~$
```

fg – This command puts the background job in foreground.

kill -9 – This command shuts down an unresponsive service.

killall – This command terminates all processes. It returns zero return code if at least one process is killed for a listed command.

shutdown – This command shuts down and reboots a system.

```
pujaroy@DESKTOP-U16R768:~$ shutdown
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
Failed to talk to init daemon.
pujaroy@DESKTOP-U16R768:~$
```