Assignment – Process Management

1) List out highest priority process in the system

To list higest priority process Cmd – ps -eo pid,comm,pri,nice –sort=pri | head -n 2

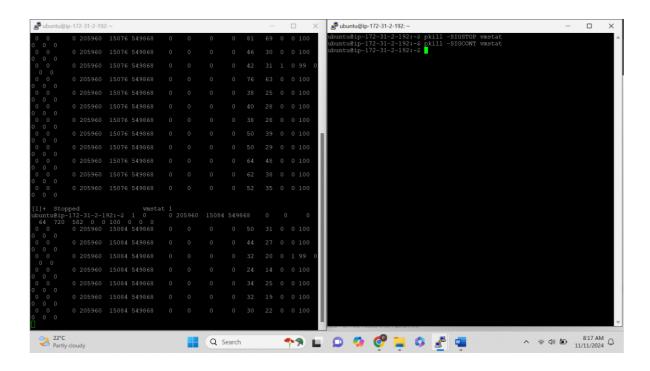
```
ubuntu@ip-172-31-2-192:~$ ps -eo pid,comm,pri,nice --sort=pri | head -n 2
PID COMMAND PRI NI
17 migration/0 139 -
```

ps - cmd used to display process associated with system

- -e To display all process
- -o To display the specified columns
- --sort To sort based on priority

head – To display the specified number of lines in output

- 2) Open terminal with 2 tabs or sessions
 - a) run command "vmstat 1"
- b) switch to another tab, pause running vmstat command for few seconds and resume it again use appropriate SIGNALS to do this activity.



Step 1 : vmstat 1

To monitor the system activity like cpu, memory usage, process, etc

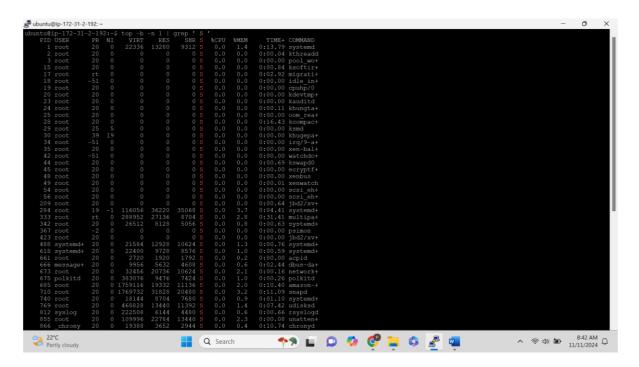
Step 2: Pause the vmstat for few seconds

Cmd - pkill -SIGSTOP vmstat

To continue

Cmd - pkill -SIGCONT vmstat

3) Find the process which is sleeping in "wait" state.



Cmd - top -b -n 1 | grep 'S'

top – used to display the process associated with system dynamically –b – batch mode – to display output in non-interactive mode i.e, plain text –n – after number of iterations , exit (in this case, it is 1) grep S' – to filter the output which has S' and display it