Assignment – Process Management

1) List out highest priority process in the system
Ans-   ps -eo pid,pri,ni,cmd --sort=-pri | head -n 10

```
ubuntu@ip-172-31-26-179:~$ ps -eo pid,pri,ni,cmd --sort=-pri | head -n 10
    PID PRI  NI CMD
     30   0  19 [khugepaged]
     29  14   5 [ksmd]
      1  19   0 /sbin/init
      2  19   0 [kthreadd]
      3  19   0 [pool_workqueue_release]
     13  19   0 [rcu_tasks_rude_kthread]
     14  19   0 [rcu_tasks_trace_kthread]
     15  19   0 [ksoftirqd/0]
     16  19   0 [rcu_sched]
```

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.

Ans- vmstat 1
        Pgrep vmstat
        Kill -SIGSTOP 1039 OR kill -19 1039
        Kill -SIGCONT 1039 OR kill -18 1039

2) Find the process which is sleeping in "wait" state.
Ans- ps -eo pid,state | grep 'S'

```
ubuntu@ip-172-31-26-179:~$ ps -eo pid,state | grep 'S'
    PID S
      1 S
      2 S
      3 S
     15 S
     17 S
     18 S
     19 S
```