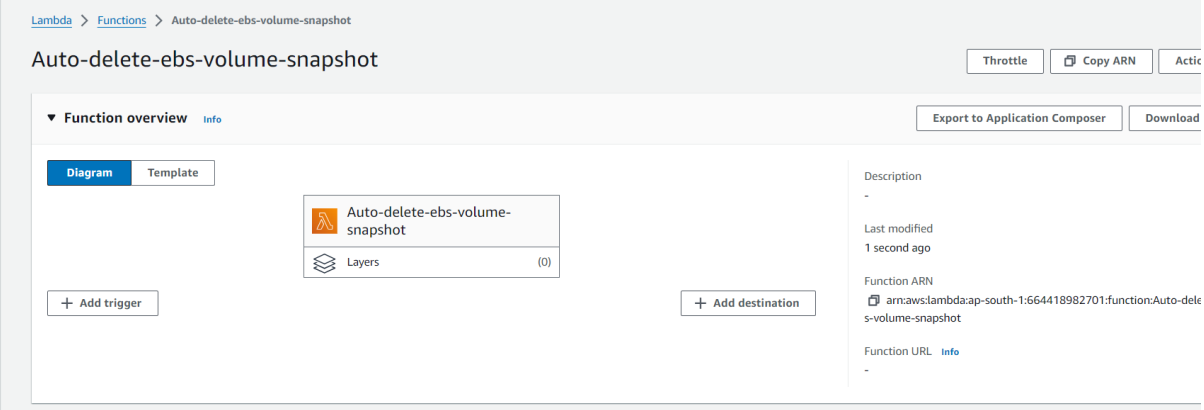
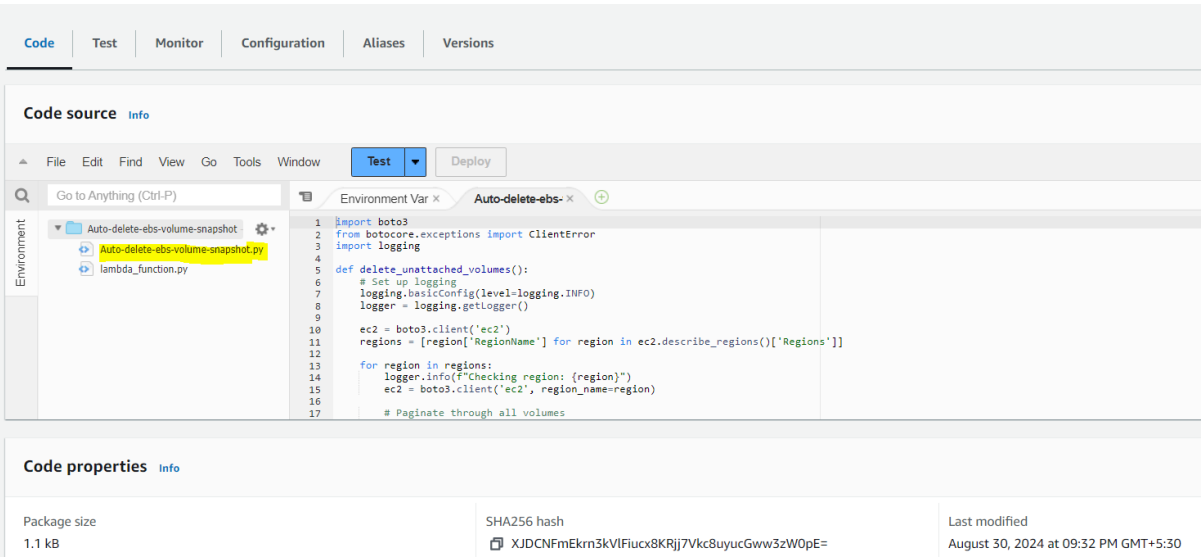
Lambda2nd_Function **Savita Nalawade**

Delete unused EBS Volume Across Regions

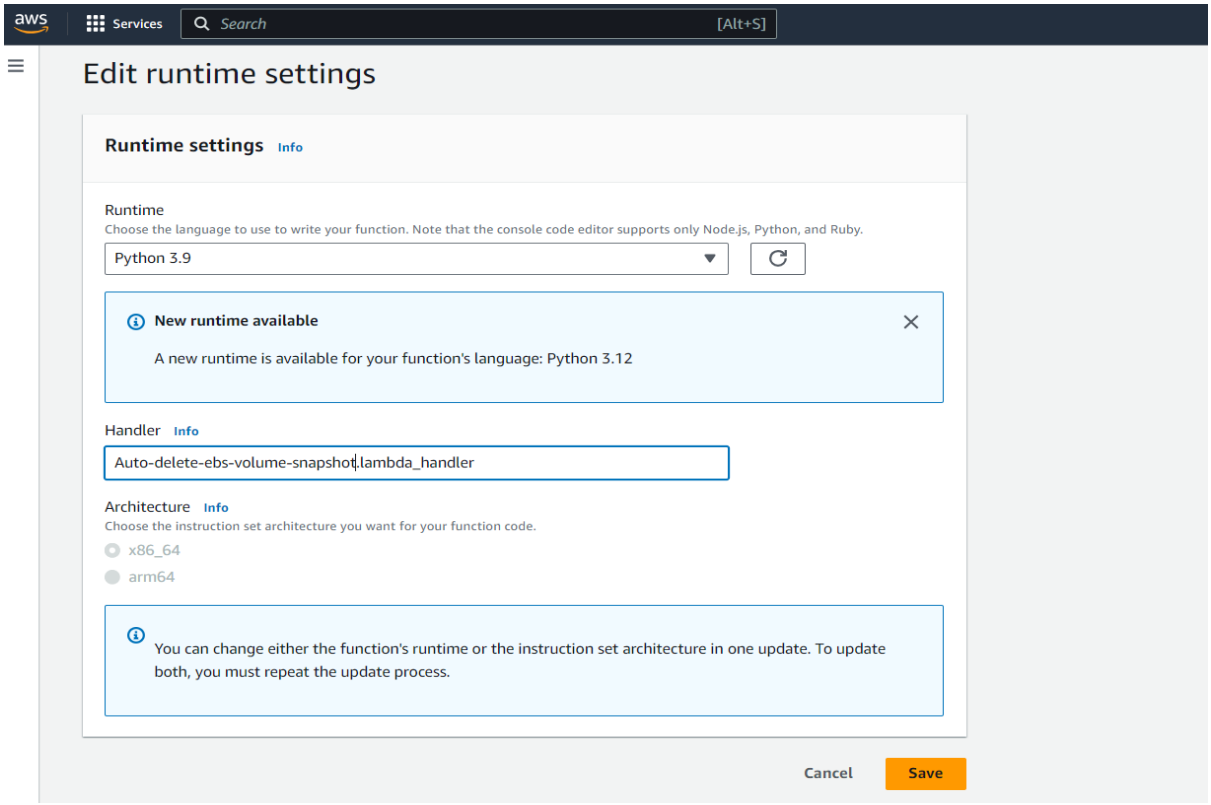
1) Create lambda function (**Auto-delete-ebs-volume-snapshot**)



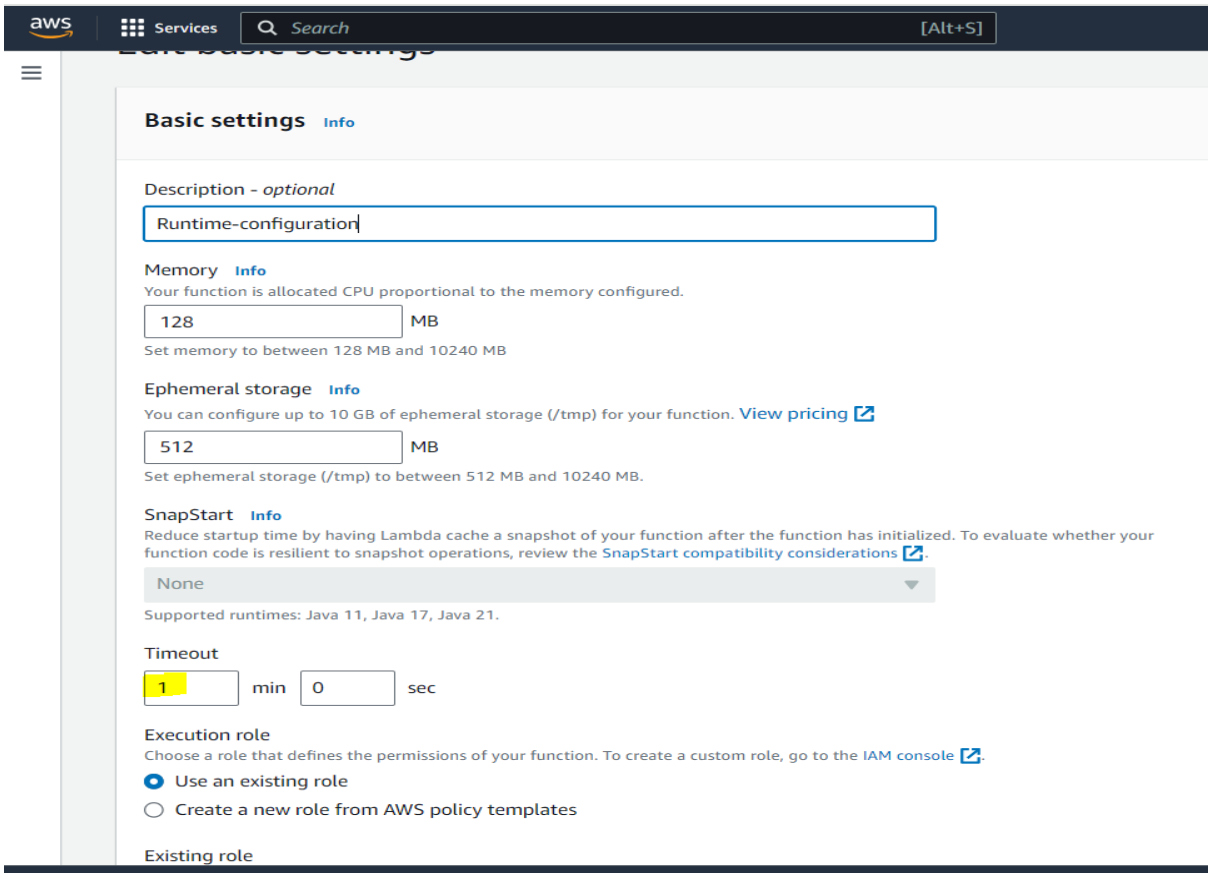
2) Create **Auto-delete-ebs-volume-snapshot.py** file



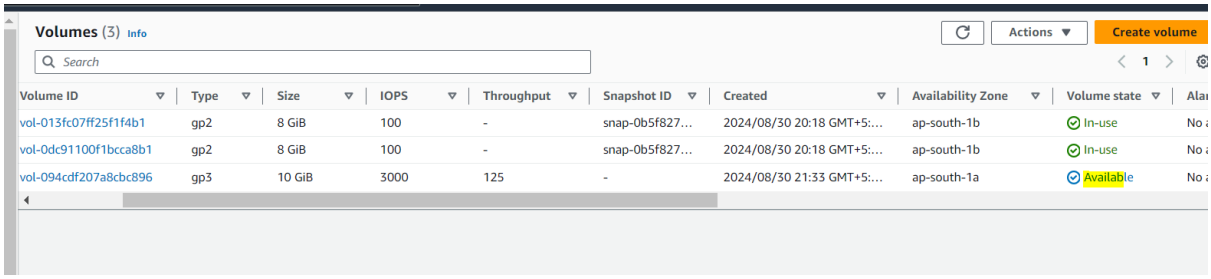
3) Update the Handler name as (**Auto-delete-ebs-volume-snapshot.lambda_handler**)



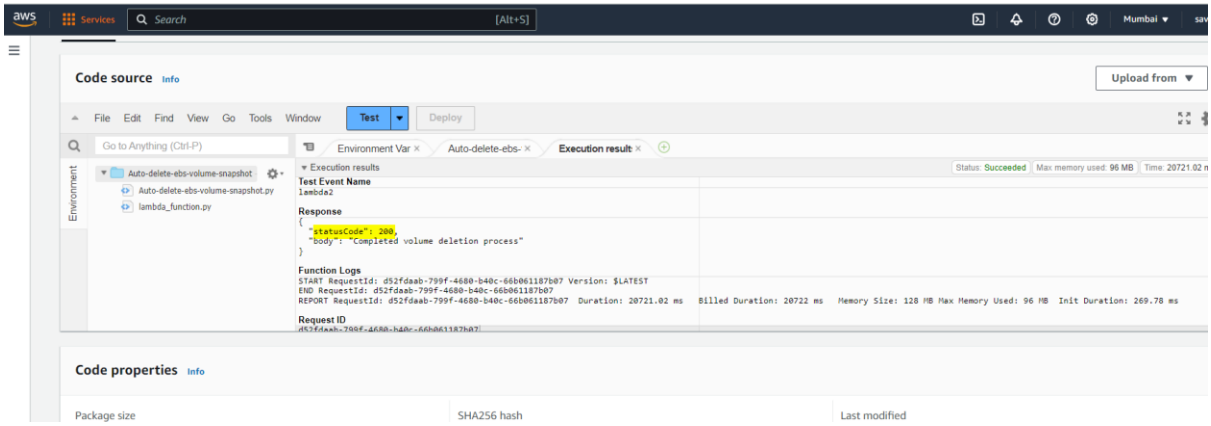
4) Change the timeout value for 3 seconds to 1 minute in Configuration settings



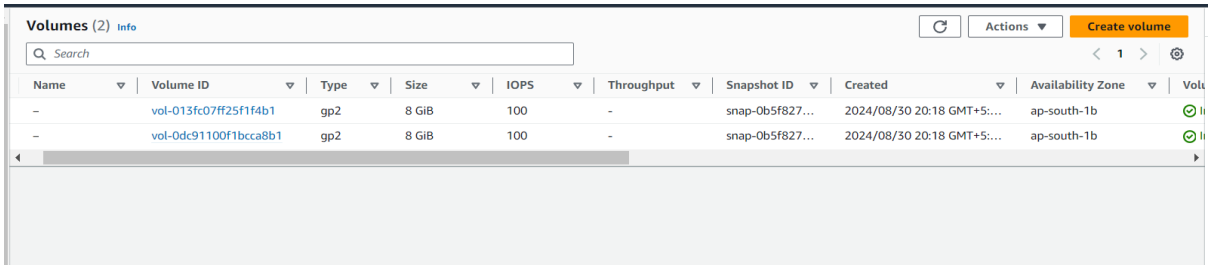
5) Created one volume which is in available state



6) Now, Run the code, It should delete the free volume

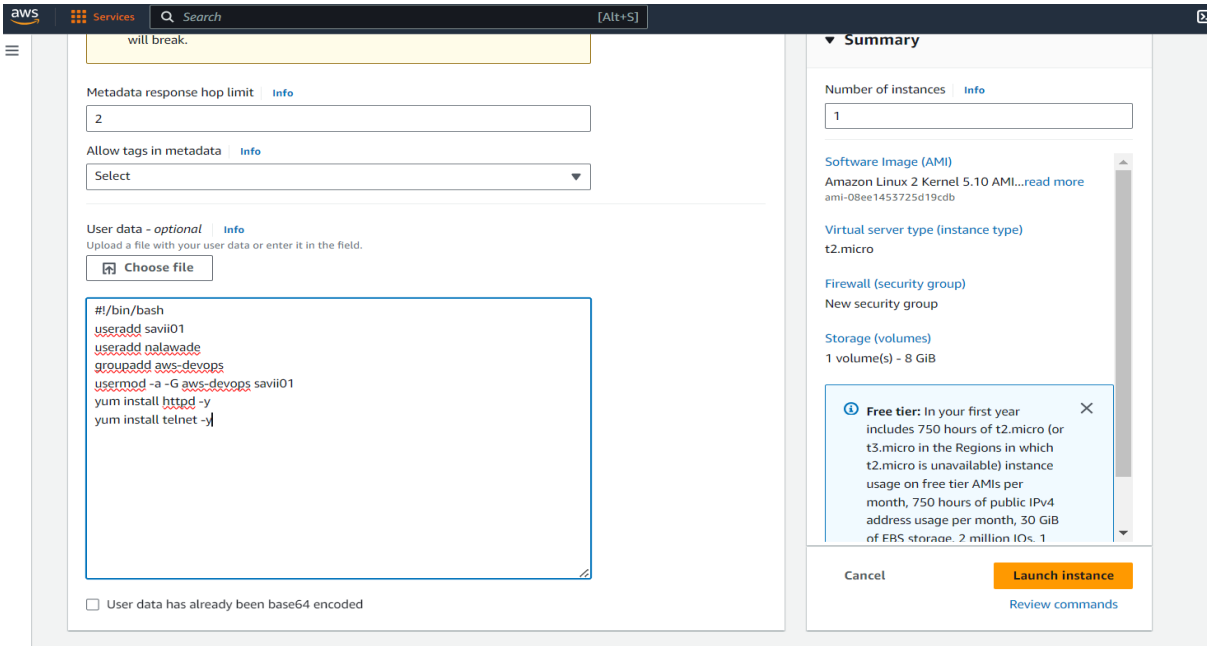


7) volume is deleted successfully

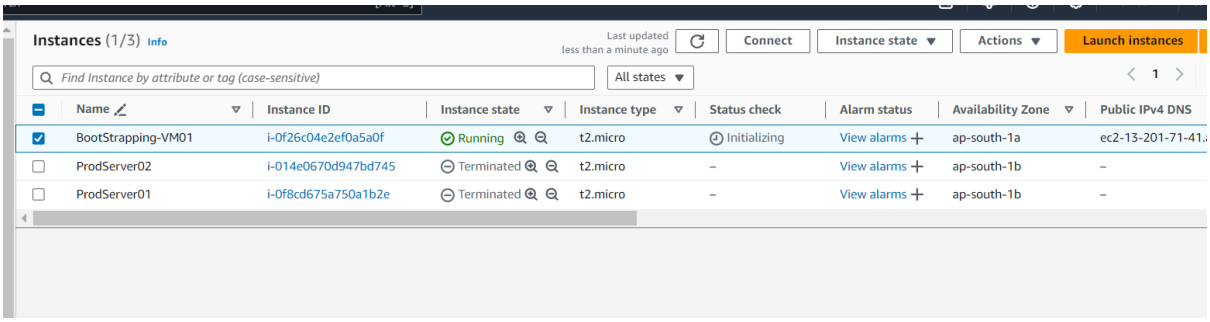


Bootstrapping 30th August 2024

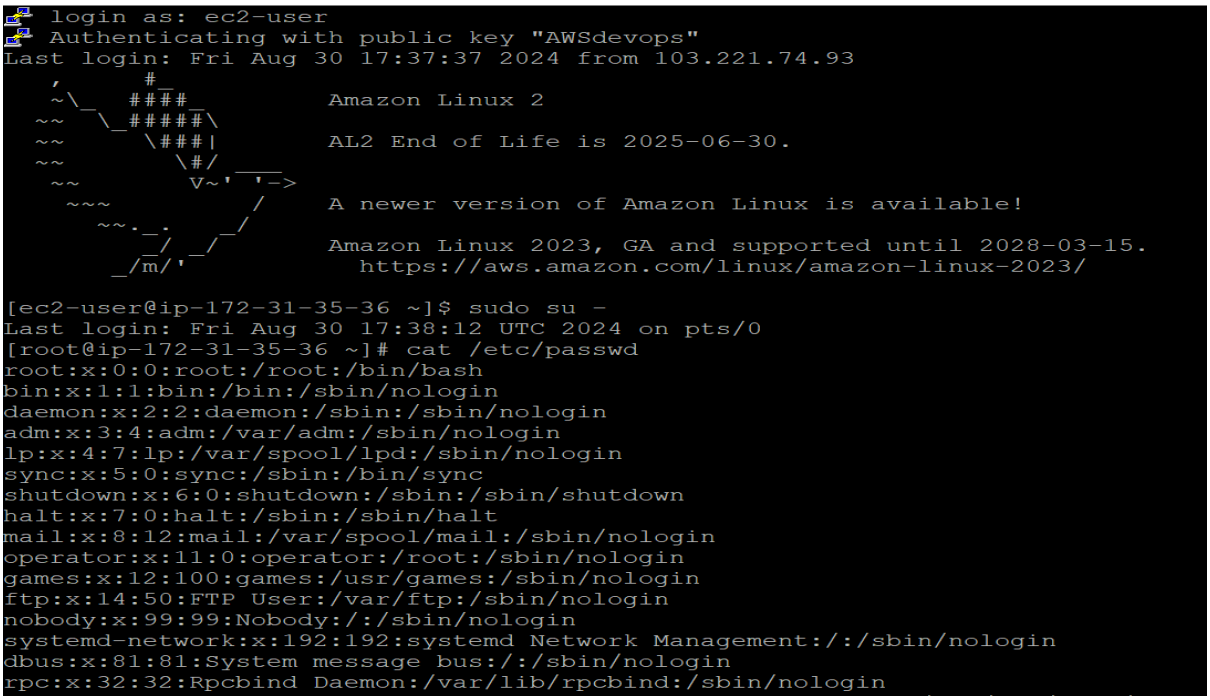
1) Create a EC2 instance with stuffing and installing some package



2) The instance is created successfully



3) Connected the BootStarapping-VM01 via putty



4) Check the users are created or not

```
[root@ip-172-31-35-36 ~]# id savii01
uid=1001(savii01) gid=1001(savii01) groups=1001(savii01),1003(aws-devops)
[root@ip-172-31-35-36 ~]# id nalawade
uid=1002(nalawade) gid=1002(nalawade) groups=1002(nalawade)
[root@ip-172-31-35-36 ~]# cat /etc/groups
```

5) Check the if user is added or not as per stuffing (cat /etc/group)

```
ec2-user:x:1000:
savii01:x:1001:
nalawade:x:1002:
aws-devops:x:1003:savii01
apache:x:48:
[root@ip-172-31-35-36 ~]#
```

6) Check the memory

```
[root@ip-172-31-35-36 ~]# free -m
              total        used        free      shared  buff/cache   available
Mem:            952          73         278           0         600         744
Swap:             0           0           0
[root@ip-172-31-35-36 ~]#
```

7) Check the harddisk

```
[root@ip-172-31-35-36 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        467M     0  467M   0% /dev
tmpfs           477M     0  477M   0% /dev/shm
tmpfs           477M  404K  476M   1% /run
tmpfs           477M     0  477M   0% /sys/fs/cgroup
/dev/xvda1      8.0G  1.8G  6.3G  23% /
tmpfs            96M     0   96M   0% /run/user/1000
[root@ip-172-31-35-36 ~]# lsblk
NAME    MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda    202:0    0   8G  0 disk
└─xvda1 202:1    0   8G  0 part /
[root@ip-172-31-35-36 ~]#
```

8) Run Top command to check running proceess

```
top - 17:48:32 up 12 min,  1 user,  load average: 0.00, 0.01, 0.00
Tasks:  94 total,   1 running,  52 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
KiB Mem :   975536 total,   285116 free,    74796 used,   615624 buff/cache
KiB Swap:        0 total,        0 free,        0 used.   762276 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
 1723 root      20   0       0      0      0 S   0.3   0.0   0:00.16 xfsaild/xvda1
 3599 root      20   0  168828   4292   3760 R   0.3   0.4   0:00.01 top
    1 root      20   0  123596   5444   3868 S   0.0   0.6   0:02.27 systemd
    2 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kthreadd
    3 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_gp
    4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
    6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-ev
    8 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
    9 root      20   0       0      0      0 S   0.0   0.0   0:00.00 rcu_tasks_rude_
   10 root      20   0       0      0      0 S   0.0   0.0   0:00.00 rcu_tasks_trace
   11 root      20   0       0      0      0 S   0.0   0.0   0:00.03 ksoftirqd/0
   12 root      20   0       0      0      0 I   0.0   0.0   0:00.15 rcu_sched
   13 root      rt   0       0      0      0 S   0.0   0.0   0:00.00 migration/0
   15 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
   17 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
   18 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 netns
   19 root      20   0       0      0      0 I   0.0   0.0   0:00.01 kworker/u30:1-e
   21 root      20   0       0      0      0 S   0.0   0.0   0:00.01 kauditd
  299 root      20   0       0      0      0 S   0.0   0.0   0:00.00 khungtaskd
  300 root      20   0       0      0      0 S   0.0   0.0   0:00.00 oom_reaper
  301 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 writeback
  303 root      20   0       0      0      0 S   0.0   0.0   0:00.01 kcompactd0
  304 root      25   5       0      0      0 S   0.0   0.0   0:00.00 ksmd
  305 root      39  19       0      0      0 S   0.0   0.0   0:00.00 khugepaged
  361 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kintegrityd
  363 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kblockd
```

9) Check whether the package of httpd & telnet installed or not?

```
[root@ip-172-31-35-36 ~]# rpm -qa |grep httpd
httpd-tools-2.4.62-1.amzn2.0.2.x86_64
httpd-filesystem-2.4.62-1.amzn2.0.2.noarch
httpd-2.4.62-1.amzn2.0.2.x86_64
generic-logos-httpd-18.0.0-4.amzn2.noarch
[root@ip-172-31-35-36 ~]# rpm -qa |grep telnet
telnet-0.17-65.amzn2.x86_64
[root@ip-172-31-35-36 ~]#
```

10) Check the total number of packages installed on the system

```
[root@ip-172-31-35-36 ~]# rpm -qa | wc -l
465
[root@ip-172-31-35-36 ~]#
```