

1. Get me the IP address of a particular domain (guvi.in).

```
ec2-user@ip-172-31-84-27:~$ nslookup guvi.in
Server:      172.31.0.2
Address:     172.31.0.2#53

Non-authoritative answer:
Name:   guvi.in
Address: 184.26.5.88
Name:   guvi.in
Address: 184.26.4.88
Name:   guvi.in
Address: 172.67.70.207
Name:   guvi.in
Address: 2606:4700:20::ac43:46cf
Name:   guvi.in
Address: 2606:4700:20::681a:458
Name:   guvi.in
Address: 2606:4700:20::681a:558

ec2-user@ip-172-31-84-27:~$
```

2. How do I find my CPU/memory usage of my server?

```
ec2-user@ip-172-31-84-27:~$ top
top - 07:18:07 up 30 min, 2 users, load average: 0.00, 0.00, 0.00
Tasks: 104 total, 1 running, 103 sleeping, 0 stopped, 0 zombie
Cpu(s):  0.0 us,  0.0 sy,  0.0 ni, 96.0 id,  0.0 wa,  0.0 hi,  0.0 si,  3.2 st
Mem: 949.5 total, 528.0 free, 126.9 used, 294.6 buff/cache
Mem Swap:  0.0 total,  0.0 free,  0.0 used, 680.5 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR S  %CPU  %MEM     TIME+ COMMAND
    1 root        0   0 185712 17064 10596 S   0.0   1.8   0:00.78 systemd
    2 root        0   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
    5 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 slab_flushd
    6 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 netns
    8 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
    9 root        0   0      0      0      0 I   0.0   0.0   0:00.06 kworker/u30:0-events_unbound
   10 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
   11 root        0   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
   12 root        0   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
   13 root        0   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
   14 root        0   0      0      0      0 S   0.0   0.0   0:00.12 ksoftirqd/0
   15 root        0   0      0      0      0 I   0.0   0.0   0:00.04 rcu_preempt
   16 root        0 -20      0      0      0 S   0.0   0.0   0:00.00 migration/0
   18 root        0   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
   20 root        0   0      0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
   21 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 inet_frag_wq
   22 root        0   0      0      0      0 S   0.0   0.0   0:00.00 kauditd
   23 root        0   0      0      0      0 S   0.0   0.0   0:00.00 khungtaskd
   24 root        0   0      0      0      0 S   0.0   0.0   0:00.00 oom_reaper
   27 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 writeback
   28 root        0   0      0      0      0 S   0.0   0.0   0:00.04 kcompactd0
   29 root        0 19      0      0      0 S   0.0   0.0   0:00.00 khugepaged
   30 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 cryptd
   31 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kintegrityd
   32 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kblockd
   33 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 blkcg_punt_bio
   34 root        0   0      0      0      0 S   0.0   0.0   0:00.00 xen-balloon
   35 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 tpm_dev_wq
   36 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 md
   37 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 edac-poller
   38 root        0 -51      0      0      0 S   0.0   0.0   0:00.00 watchdogd
   39 root        0 -20      0      0      0 I   0.0   0.0   0:00.04 kworker/0:DH-kblockd
   74 root        0   0      0      0      0 S   0.0   0.0   0:00.00 kswapd0
   77 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 xfsalloc
   78 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 xfs_mru_cache
   81 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kthreadd
   96 root        0   0      0      0      0 S   0.0   0.0   0:00.00 xenbus
   97 root        0   0      0      0      0 S   0.0   0.0   0:00.00 xenwatch
  136 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 nvme-wq
```

3. Test the connectivity between 2 nodes?

```
ec2-user@ip-172-31-84-27:~$ ping 192.168.1.2
PING 192.168.1.2 (192.168.1.2) 56(84) bytes of data.
```

4. I have deployed an application in guvi.com:9000, and logs show my app is running, but I'm unable to view the page. Check whether my port is open or not?

```
ec2-user@ip-172-31-84-27:~$ telnet guvi.in 9000
Trying 172.67.70.207...
telnet: connect to address 172.67.70.207: Connection timed out
Trying 104.26.4.88...
telnet: connect to address 104.26.4.88: Connection timed out
Trying 104.26.5.88...
telnet: connect to address 104.26.5.88: Connection timed out
Trying 2606:4700:20::681a:558...
telnet: connect to address 2606:4700:20::681a:558: Network is unreachable
Trying 2606:4700:20::681a:458...
telnet: connect to address 2606:4700:20::681a:458: Network is unreachable
Trying 2606:4700:20::ac43:d6cf...
telnet: connect to address 2606:4700:20::ac43:d6cf: Network is unreachable
ec2-user@ip-172-31-84-27:~$
```