1.Get me the IP address of a particular domain (guvi.in). How do I find my CPU/memory usage of my server?. Test the connectivity between 2 nodes?

root@ip-172-31-29-0:~# nslookup guvi.in

Server: 127.0.0.53

Address: 127.0.0.53#53

Non-authoritative answer:

Name: guvi.in

Address: 104.26.4.88

Name: guvi.in

Address: 104.26.5.88

Name: guvi.in

Address: 172.67.70.207

Name: guvi.in

Address: 2606:4700:20::681a:558

Name: guvi.in

Address: 2606:4700:20::681a:458

Name: guvi.in

Address: 2606:4700:20::ac43:46cf

root@ip-172-31-29-0:~# top

top - 11:40:48 up 47 min, 2 users, load average: 0.00, 0.00, 0.00

Tasks: **121** total, **1** running, **120** 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

MiB Mem : **914.1** total, **243.7** free, **389.8** used, **462.9** buff/cache

MiB Swap: **0.0** total, **0.0** free, **0.0** used. **524.3** avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

1 root 20 0 22704 13696 9472 S 0.0 1.5 0:02.62 systemd

2 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kthreadd

3 root 20 0 0 0 0 S 0.0 0.0 0:00.00 pool\_workqueue\_release

4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-rcu\_g

5 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-rcu\_p

6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-slub\_

7 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-netns

9 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/0:0H-events\_highpri

10 root 20 0 0 0 0 I 0.0 0.0 0:00.31 kworker/0:1-events

12 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-mm\_pe

13 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu\_tasks\_rude\_kthread

14 root 20 0 0 0 0 I 0.0 0.0 0:00.00 rcu\_tasks\_trace\_kthread

15 root 20 0 0 0 0 S 0.0 0.0 0:00.05 ksoftirqd/0

16 root 20 0 0 0 0 I 0.0 0.0 0:00.16 rcu\_sched

17 root rt 0 0 0 0 S 0.0 0.0 0:00.01 migration/0

18 root -51 0 0 0 0 S 0.0 0.0 0:00.00 idle\_inject/0

19 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cpuhp/0

20 root 20 0 0 0 0 S 0.0 0.0 0:00.00 cpuhp/1

21 root -51 0 0 0 0 S 0.0 0.0 0:00.00 idle\_inject/1

22 root rt 0 0 0 0 S 0.0 0.0 0:00.05 migration/1

23 root 20 0 0 0 0 S 0.0 0.0 0:00.05 ksoftirqd/1

25 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/1:0H-events\_highpri

26 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kdevtmpfs

27 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-inet\_

29 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kauditd

31 root 20 0 0 0 0 S 0.0 0.0 0:00.00 khungtaskd

32 root 20 0 0 0 0 S 0.0 0.0 0:00.00 oom\_reaper

34 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-write

35 root 20 0 0 0 0 S 0.0 0.0 0:00.15 kcompactd0

36 root 25 5 0 0 0 S 0.0 0.0 0:00.00 ksmd

37 root 39 19 0 0 0 S 0.0 0.0 0:00.00 khugepaged

38 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-kinte

39 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-kbloc

40 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-blkcg

41 root -51 0 0 0 0 S 0.0 0.0 0:00.00 irq/9-acpi

42 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-tpm\_d

43 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-ata\_s

44 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-md

45 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-md\_bi

46 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-edac-

47 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/R-devfr

48 root -51 0 0 0 0 S 0.0 0.0 0:00.00 watchdogd

49 root 0 -20 0 0 0 I 0.0 0.0 0:00.01 kworker/1:1H-kblockd

root@ip-172-31-29-0:~# ping google.com

PING google.com (216.58.207.206) 56(84) bytes of data.

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=1 ttl=114 time=3.11 ms

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=2 ttl=114 time=3.14 ms

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=3 ttl=114 time=3.12 ms

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=4 ttl=114 time=3.15 ms

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=5 ttl=114 time=3.14 ms

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=6 ttl=114 time=3.17 ms

64 bytes from arn11s04-in-f14.1e100.net (216.58.207.206): icmp\_seq=7 ttl=114 time=3.15 ms

^C

--- google.com ping statistics ---

7 packets transmitted, 7 received, 0% packet loss, time 6008ms

rtt min/avg/max/mdev = 3.114/3.139/3.171/0.018 ms

2.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 ?

root@ip-172-31-29-0:~# netstat -tulnp

Active Internet connections (only servers)

Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name

tcp 0 0 127.0.0.54:53 0.0.0.0:\* LISTEN 333/systemd-resolve

tcp 0 0 127.0.0.53:53 0.0.0.0:\* LISTEN 333/systemd-resolve

tcp 0 0 0.0.0.0:80 0.0.0.0:\* LISTEN 611/nginx: master p

tcp6 0 0 :::22 :::\* LISTEN 1/init

tcp6 0 0 :::80 :::\* LISTEN 611/nginx: master p

udp 0 0 127.0.0.1:323 0.0.0.0:\* 681/chronyd

udp 0 0 127.0.0.54:53 0.0.0.0:\* 333/systemd-resolve

udp 0 0 127.0.0.53:53 0.0.0.0:\* 333/systemd-resolve

udp 0 0 172.31.29.0:68 0.0.0.0:\* 488/systemd-network

udp6 0 0 ::1:323 :::\* 681/chronyd

root@ip-172-31-29-0:~#