

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

```
balan@Yugan:~$ nslookup guvi.in
Server:          192.168.1.1
Address:         192.168.1.1#53

Non-authoritative answer:
Name:   guvi.in
Address: 104.26.5.88
Name:   guvi.in
Address: 104.26.4.88
Name:   guvi.in
Address: 172.67.70.207
Name:   guvi.in
Address: 2606:4700:83ba:d255:c1fe:412:60b8:c78e

balan@Yugan:~$
```

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

Command : htop

```
balan@Yugan: ~
0[|||||] 24.5% Tasks: 7, 1 thr; 1 running
1[|||||] 19.9% Load average: 0.52 0.58 0.59
2[|||||] 22.0% Uptime: 00:12:57
3[|||||] 11.1%
Mem[|||||] 3.66G/15.9G
Swp[|||||] 0K/24.3G

PID USER   PRI  NI  VIRT   RES   SHR  S  CPU% MEM%   TIME+  Command
1  root     20    0  8952   328   284  S   0.0  0.0   0:00.15 /init
9  root     20    0  8952   328   284  S   0.0  0.0   0:00.00 /init
10 root     20    0  8952   228   180  S   0.0  0.0   0:00.00 /init
11 balan    20    0 14164  3856  3756  S   0.0  0.0   0:00.22 -bash
139 balan    20    0 14188  1584  1348  T   0.0  0.0   0:00.03 telnet
144 balan    20    0 14188  1588  1348  T   0.0  0.0   0:00.00 telnet
153 balan    20    0 13172  1488  1196  T   0.0  0.0   0:00.04 ping adobe.com
156 balan    20    0 13592  2724  1792  R   0.0  0.0   0:00.00 htop
```

Test the connectivity between 2 nodes?

```
balan@Yugan:~$ ping -c5 google.com
PING google.com (pnmaaa-au-in-x0e.1e100.net (2404:6800:4007:830::200e)) 56 data bytes
64 bytes from pnmaaa-au-in-x0e.1e100.net (2404:6800:4007:830::200e): icmp_seq=1 ttl=118 time=22.3 ms
64 bytes from pnmaaa-au-in-x0e.1e100.net (2404:6800:4007:830::200e): icmp_seq=2 ttl=118 time=55.0 ms
64 bytes from pnmaaa-au-in-x0e.1e100.net (2404:6800:4007:830::200e): icmp_seq=3 ttl=118 time=23.5 ms
64 bytes from pnmaaa-au-in-x0e.1e100.net (2404:6800:4007:830::200e): icmp_seq=4 ttl=118 time=21.8 ms
64 bytes from pnmaaa-au-in-x0e.1e100.net (2404:6800:4007:830::200e): icmp_seq=5 ttl=118 time=22.5 ms

--- google.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4004ms
rtt min/avg/max/mdev = 21.788/28.992/54.954/12.992 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 ?

```
balan@Yugan:~$ curl -v guvi.in:9000
* Trying 2606:4700:83ba:d255:c1fd:412:60b8:c78e:9000...
* Trying 104.26.4.88:9000...
* connect to 2606:4700:83ba:d255:c1fd:412:60b8:c78e port 9000 failed: Connection refused
* connect to 104.26.4.88 port 9000 failed: Connection refused
* Trying 104.26.5.88:9000...
* connect to 104.26.5.88 port 9000 failed: Connection refused
* Trying 172.67.70.207:9000...
* connect to 172.67.70.207 port 9000 failed: Connection refused
* Failed to connect to guvi.in port 9000 after 63355 ms: Connection refused
* Closing connection 0
curl: (7) Failed to connect to guvi.in port 9000 after 63355 ms: Connection refused
balan@Yugan:~$
```