

### Task 3

IP Address of Particular domain:

```
Windows PowerShell
sureshk@SSMS: ~$ nslookup guvi.com
Server:      10.255.255.254
Address:     10.255.255.254#53

Non-authoritative answer:
Name:   guvi.com
Address: 172.67.146.154
Name:   guvi.com
Address: 104.21.79.166
Name:   guvi.com
Address: 2606:4700:3037::ac43:929a
Name:   guvi.com
Address: 2606:4700:3031::6815:4fa6

sureshk@SSMS: ~$
```

CPU/Memory usage of my server:

```
Windows PowerShell
sureshk@SSMS: ~$ top
 0% 0.0% 3% 0.0% 6% 0.0% 9% 0.0% 12% 0.0% 15% 0.0%
 1% 0.0% 4% 0.0% 7% 0.0% 10% 0.0% 13% 0.0% 16% 0.0%
 2% 0.0% 5% 0.0% 8% 0.0% 11% 0.0% 14% 0.0% 17% 0.0%
Mem[|||||]
Swp[
391M/7.52G Tasks: 23, 14 thr, 0 kthr; 1 running
0K/2.00G Load average: 0.00 0.00 0.00
Uptime: 00:02:56

Main T/O
PID USER PRI NI VIRT RES SHR S CPU%MEM TIME+ Command
1 root 20 0 21744 12860 9552 S 0.0 0.2 0:00.45 /sbin/init
2 root 20 0 2616 1444 1320 S 0.0 0.0 0:00.00 /init
6 root 20 0 2616 132 132 S 0.0 0.0 0:00.00 plan9 --control-socket 6 --log-level 4 --server-fd 7 --pipe-fd 9 --log-trunca
7 root 20 0 2616 132 132 S 0.0 0.0 0:00.00 plan9 --control-socket 6 --log-level 4 --server-fd 7 --pipe-fd 9 --log-trunca
8 root 20 0 2616 1444 1320 S 0.0 0.0 0:00.00 /init
51 root 19 -1 42252 16252 15168 S 0.0 0.2 0:00.13 /usr/lib/systemd/systemd-journald
96 root 20 0 23992 6084 4908 S 0.0 0.1 0:00.09 /usr/lib/systemd/systemd-udevd
143 systemd-re 20 0 21452 11712 9520 S 0.0 0.1 0:00.08 /usr/lib/systemd/systemd-resolved
146 systemd-ti 20 0 91020 6560 5708 S 0.0 0.1 0:00.06 /usr/lib/systemd/systemd-timesyncd
152 systemd-ti 20 0 91020 6560 5708 S 0.0 0.1 0:00.00 /usr/lib/systemd/systemd-timesyncd
157 root 20 0 4236 2600 2356 S 0.0 0.0 0:00.00 /usr/sbin/cron -f -p
158 messagebus 20 0 9624 5212 4524 S 0.0 0.1 0:00.03 dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activ
176 root 20 0 17976 8184 7164 S 0.0 0.1 0:00.00 /usr/lib/systemd/systemd-logind
184 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.07 /usr/libexec/wsl-pro-service -vv
199 root 20 0 3160 1084 992 S 0.0 0.0 0:00.01 /sbin/agetty -o -p -- \u --noclear --keep-baud - 115200,38400,9600 vt220
216 syslog 20 0 217M 5332 4480 S 0.0 0.1 0:00.05 /usr/sbin/rsyslogd -n -iNONE
218 root 20 0 3116 1228 1144 S 0.0 0.0 0:00.00 /sbin/agetty -o -p -- \u --noclear - linux
239 root 20 0 104M 22572 13248 S 0.0 0.3 0:00.10 /usr/bin/python3 /usr/share/unattended-upgrades/unattended-upgrade-shutdown -
244 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.00 /usr/libexec/wsl-pro-service -vv
246 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.00 /usr/libexec/wsl-pro-service -vv
247 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.00 /usr/libexec/wsl-pro-service -vv
248 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.00 /usr/libexec/wsl-pro-service -vv
251 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.00 /usr/libexec/wsl-pro-service -vv
252 syslog 20 0 217M 5332 4480 S 0.0 0.1 0:00.00 /usr/sbin/rsyslogd -n -iNONE
253 syslog 20 0 217M 5332 4480 S 0.0 0.1 0:00.00 /usr/sbin/rsyslogd -n -iNONE
255 syslog 20 0 217M 5332 4480 S 0.0 0.1 0:00.00 /usr/sbin/rsyslogd -n -iNONE
272 root 20 0 17144 13996 9448 S 0.0 0.2 0:00.00 /usr/libexec/wsl-pro-service -vv
F1Help F2Setup F3Search F4Filter F5Tree F6SortBy F7Nice F8Nice F9Kill F10Quit
```

Connectivity between 2 nodes:

```
Windows PowerShell  sureshk@SSMS: ~
sureshk@SSMS:~$ ping guvi.com
PING guvi.com (104.21.79.166) 56(84) bytes of data.
64 bytes from 104.21.79.166: icmp_seq=1 ttl=49 time=54.4 ms
64 bytes from 104.21.79.166: icmp_seq=2 ttl=49 time=68.4 ms
64 bytes from 104.21.79.166: icmp_seq=3 ttl=49 time=55.2 ms
64 bytes from 104.21.79.166: icmp_seq=4 ttl=49 time=55.3 ms
64 bytes from 104.21.79.166: icmp_seq=5 ttl=49 time=60.6 ms
64 bytes from 104.21.79.166: icmp_seq=6 ttl=49 time=57.8 ms
64 bytes from 104.21.79.166: icmp_seq=7 ttl=49 time=54.9 ms
64 bytes from 104.21.79.166: icmp_seq=8 ttl=49 time=59.3 ms
64 bytes from 104.21.79.166: icmp_seq=9 ttl=49 time=62.3 ms
64 bytes from 104.21.79.166: icmp_seq=10 ttl=49 time=55.4 ms
64 bytes from 104.21.79.166: icmp_seq=11 ttl=49 time=60.7 ms
64 bytes from 104.21.79.166: icmp_seq=12 ttl=49 time=52.5 ms
64 bytes from 104.21.79.166: icmp_seq=13 ttl=49 time=53.5 ms
64 bytes from 104.21.79.166: icmp_seq=14 ttl=49 time=55.5 ms
64 bytes from 104.21.79.166: icmp_seq=15 ttl=49 time=55.9 ms
64 bytes from 104.21.79.166: icmp_seq=16 ttl=49 time=53.0 ms
64 bytes from 104.21.79.166: icmp_seq=17 ttl=49 time=55.1 ms
64 bytes from 104.21.79.166: icmp_seq=18 ttl=49 time=53.0 ms
64 bytes from 104.21.79.166: icmp_seq=19 ttl=49 time=58.3 ms
64 bytes from 104.21.79.166: icmp_seq=20 ttl=49 time=55.2 ms
64 bytes from 104.21.79.166: icmp_seq=21 ttl=49 time=75.7 ms
^Z
[1]+  Stopped                  ping guvi.com
sureshk@SSMS:~$
```

To Check whether my port is open or not?

```
Windows PowerShell  sureshk@SSMS: ~
sureshk@SSMS:~$ nc -vz guvi.com 9000
nc: connect to guvi.com (172.67.146.154) port 9000 (tcp) failed: Connection timed out
nc: connect to guvi.com (104.21.79.166) port 9000 (tcp) failed: Connection timed out
nc: connect to guvi.com (2606:4700:3037::ac43:929a) port 9000 (tcp) failed: Network is unreachable
nc: connect to guvi.com (2606:4700:3031::6815:4fa6) port 9000 (tcp) failed: Network is unreachable
sureshk@SSMS:~$ telnet guvi.com 9000
Trying 172.67.146.154...
Trying 104.21.79.166...
Trying 2606:4700:3037::ac43:929a...
Trying 2606:4700:3031::6815:4fa6...
telnet: Unable to connect to remote host: Network is unreachable
sureshk@SSMS:~$
```