Network Task

Task 1:

1) Get IP address of domain (guvi.in):

```
vineeth@vineeth-pc:~$ dig +short guvi.in
104.26.4.88
172.67.70.207
104.26.5.88
vineeth@vineeth-pc:~$ nslookup guvi.in
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
Name: guvi.in
Address: 172.67.70.207
Name: guvi.in
Address: 104.26.4.88
Name: guvi.in
Address: 104.26.5.88
Name: guvi.in
Address: 2606:4700:20::681a:558
Name: guvi.in
Address: 2606:4700:20::681a:558
Name: guvi.in
Address: 2606:4700:20::681a:558
Name: guvi.in
Address: 2606:4700:20::681a:558
```

Commands used:

• dig +short guvi.in:

```
    dig → DNS lookup tool.
    +short → Only gives a clean IP address (without all detailed info).
    guvi.in → The domain you are querying.
```

• nslookup guvi.in:

another tool to find domain IP addresses.

2) Find CPU/Memory usage of your server:

Commands used:

```
• top -bn1 | grep "Cpu(s)" :
```

top shows running processes and resource usage live.

-b = batch mode (good for scripting).

-n1 = take only one sample.

grep "Cpu(s)" = filter output to show only CPU usage line.

• free -h:

free shows memory statistics.

-h = human-readable (MB/GB).

3) Test the connectivity between 2 nodes:

```
vineeth@vineeth-pc:~$ ping -c 4 guvi.in
PING guvi.in (172.67.70.207) 56(84) bytes of data.
64 bytes from 172.67.70.207 (172.67.70.207): icnp_seq=1 ttl=56 time=24.0 ms
64 bytes from 172.67.70.207 (172.67.70.207): icmp_seq=2 ttl=56 time=24.3 ms
64 bytes from 172.67.70.207 (172.67.70.207): icmp_seq=3 ttl=56 time=24.1 ms
64 bytes from 172.67.70.207 (172.67.70.207): icmp_seq=4 ttl=56 time=23.7 ms
--- guvi.in ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3003ms
rtt min/avg/max/mdev = 23.689/24.021/24.259/0.214 ms
vineeth@vineeth-pc:~$
```

Commands used:

```
    ping -c 4 guvi.in:
    ping sends ICMP echo requests to a server.
    -c 4 → Only send 4 packets, then stop.
```

Task 2:

1)Check if port 9000 on guvi.com is open :

```
vineeth@vineeth-pc:~$
vineeth@vineeth-p
```

- I am getting no response when i try connecting port 9000.