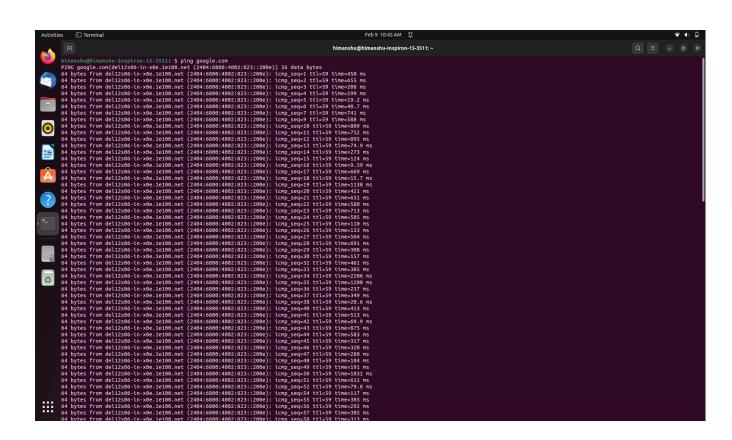
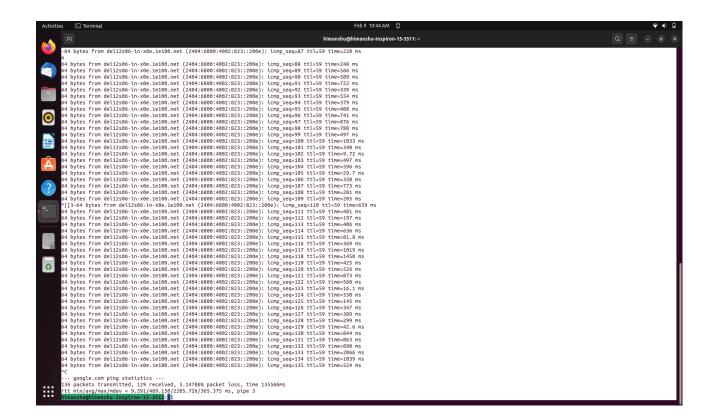
PING COMMAND

A ping (pocket internet -network groper). Ping is the primary TCP/IP command used to troubleshoot connectivity ,reachability ,and name resolution . used without parameters , this command displays help content . You can also use this command to test both the computer name and the IP address of the computer .





. TELNET COMMAND

TELNET stands for Teletype network protocol.

In linux, the telnet command is used to create a remote connection with a system over a TCP/IP network. It allows us to administrate other systems by the terminal. We can run a program to conduct administration.

```
Namenhaphthemashu-ImagNrom-15-3511-$ sudo apt-get install telnetd -y
[sudo] password for himashi:
Reading package lists... Done
Reiting package swile the installed:
Openback lists of lists and li
```

himanshu@himanshu-Inspiron-15-3511:~\$ telnet 192.168.122.1

Trying 192.168.122.1...

Connected to 192.168.122.1.

Escape character is '^]'.

Ubuntu 22.04.1 LTS
himanshu-Inspiron-15-3511 login:

Login timed out after 60 seconds.

Connection closed by foreign host.
himanshu@himanshu-Inspiron-15-3511:-\$

. NC (NETCAT) COMMAND

The nc (or NETCAT) utility is used for just about anything under the sun involving TCP or UDP. It can open TCP connections, send UDP packets, listen on arbitrary TCP and UDP ports, do port scanning, and deal with both IPV4 and IPV6.

```
himanshu@himanshu-Inspiron-15-3511:~$ nc

usage: nc [-46CDdFhklNnrStUuvZz] [-I length] [-i interval] [-M ttl]

[-m minttl] [-0 length] [-P proxy_username] [-p source_port]

[-q seconds] [-s sourceaddr] [-I keyword] [-V rtable] [-W recvlimit]

[-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]

[destination] [port]

himanshu@himanshu-Inspiron-15-3511:~$ nc -zvw 2

usage: nc [-46CDdFhklNnrStUuvZz] [-I length] [-i interval] [-M ttl]

[-m minttl] [-0 length] [-P proxy_username] [-p source_port]

[-q seconds] [-s sourceaddr] [-T keyword] [-V rtable] [-W recvlimit]

[-w timeout] [-X proxy_protocol] [-x proxy_address[:port]]

[destination] [port]

himanshu@himanshu-Inspiron-15-3511:~$
```