Practical 3

TCP / UDP connectivity using Netcat

Aim:TCP/UDP connectivity using Netcat.

Netcat is a fetured networking utility which reads and write data across network connection,using the TCP/IP protocol.

First open the ubantu and go to terminal.

Then write a sudo code and password for connection and connect to the pc.

Two compters are connected with each other.

One pc behaves as a server while one as a client.

File Transfer Using TCP:

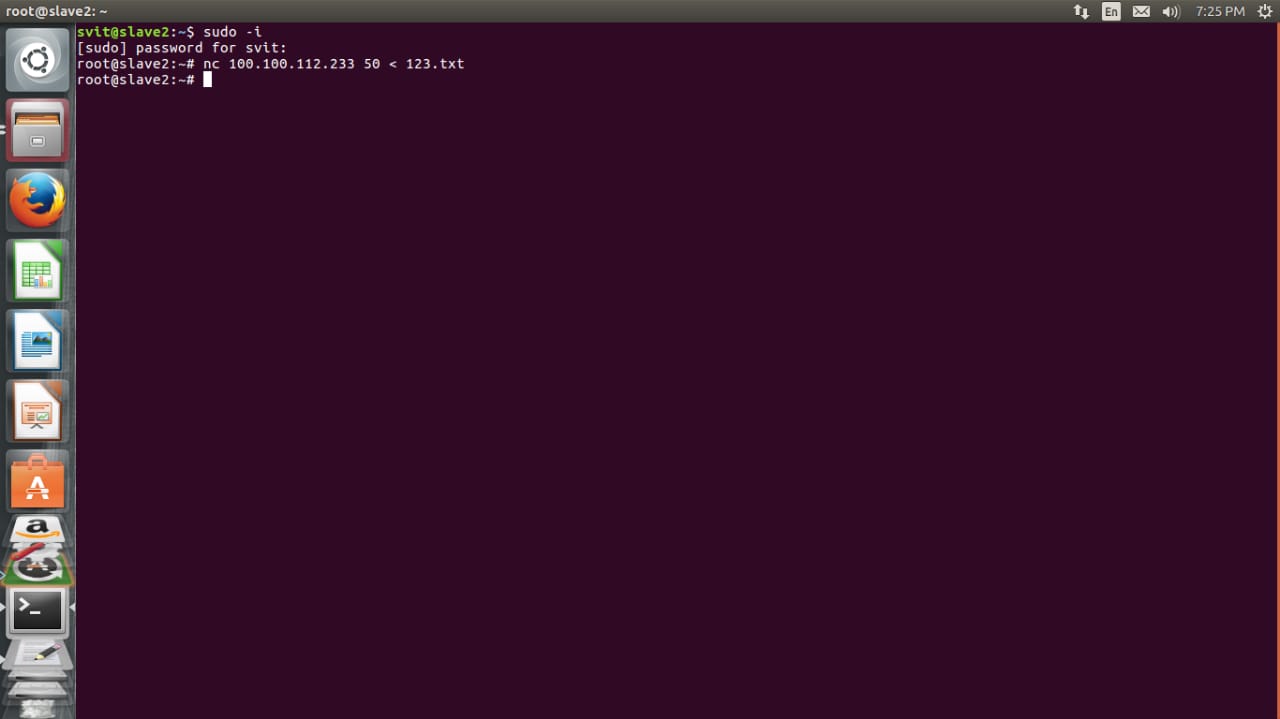
Client:

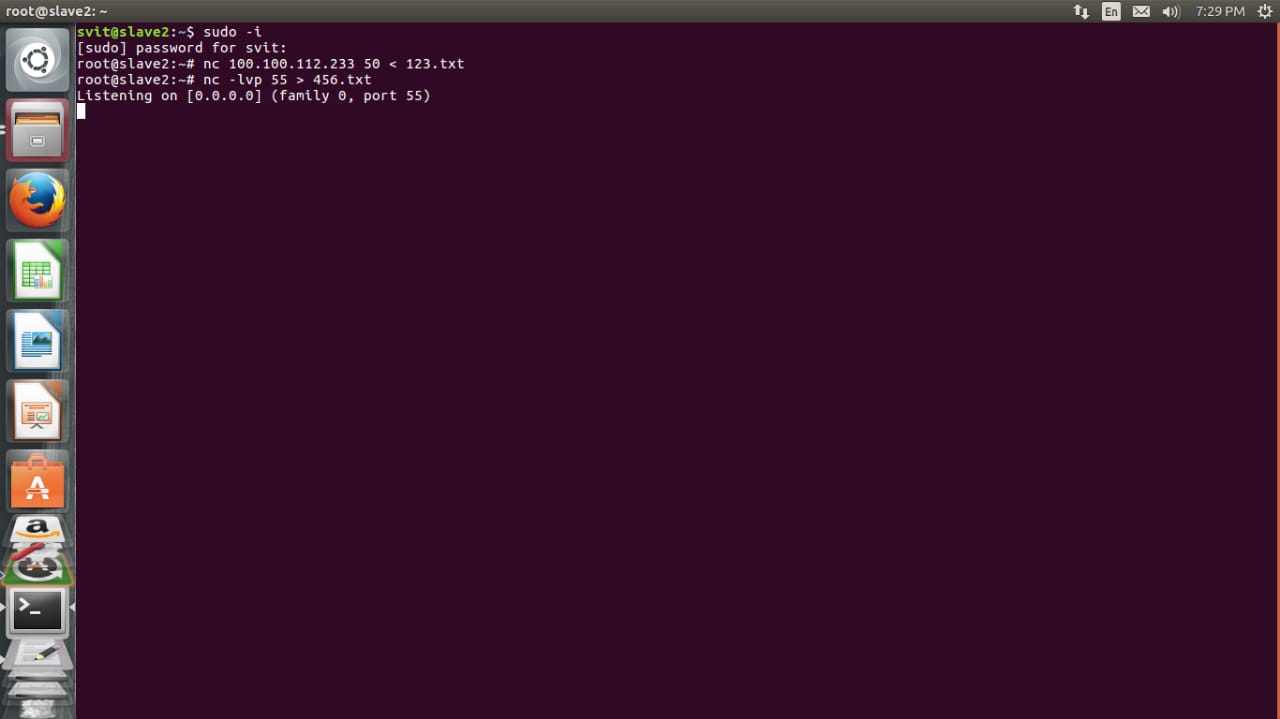
Create a txt file with the desktop path.

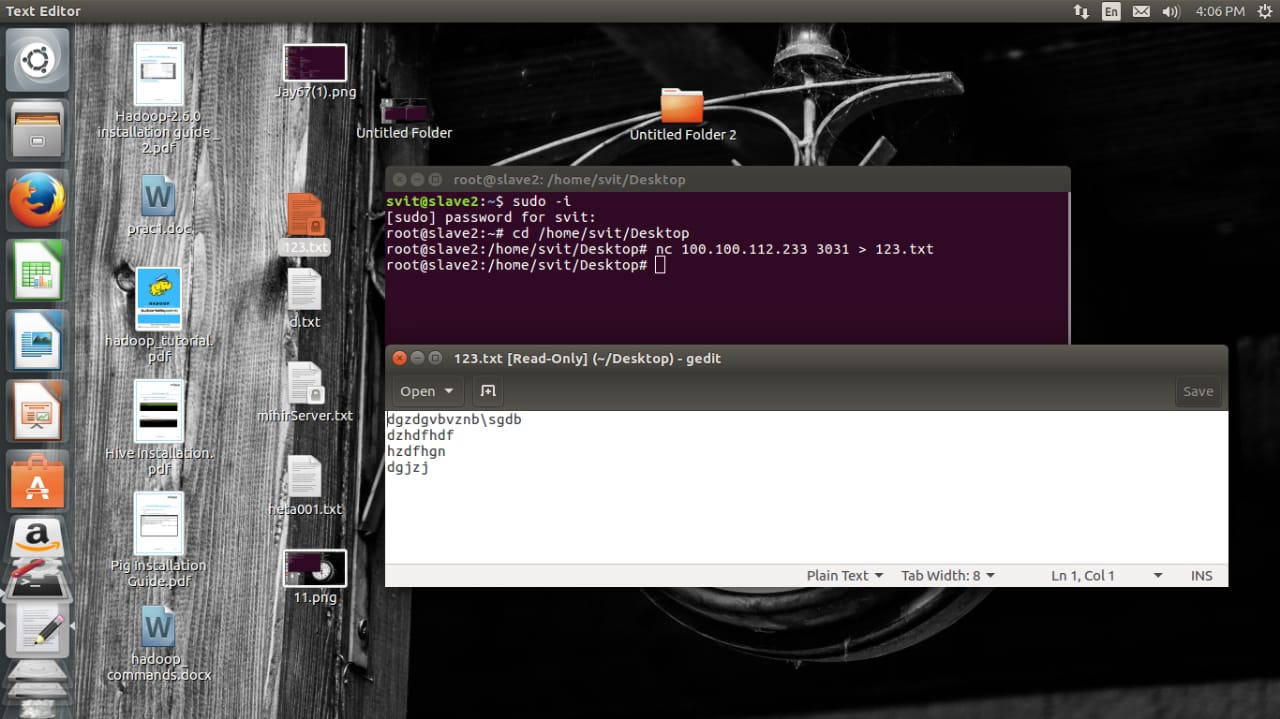
root:nc(ip of clint)(port number)<filename.txt

Server:

root:nc –lvp (port number of client) > filename.txt







Following is Client and Server relation for tcp:

Server:

Sudo –i

Password:ghost123

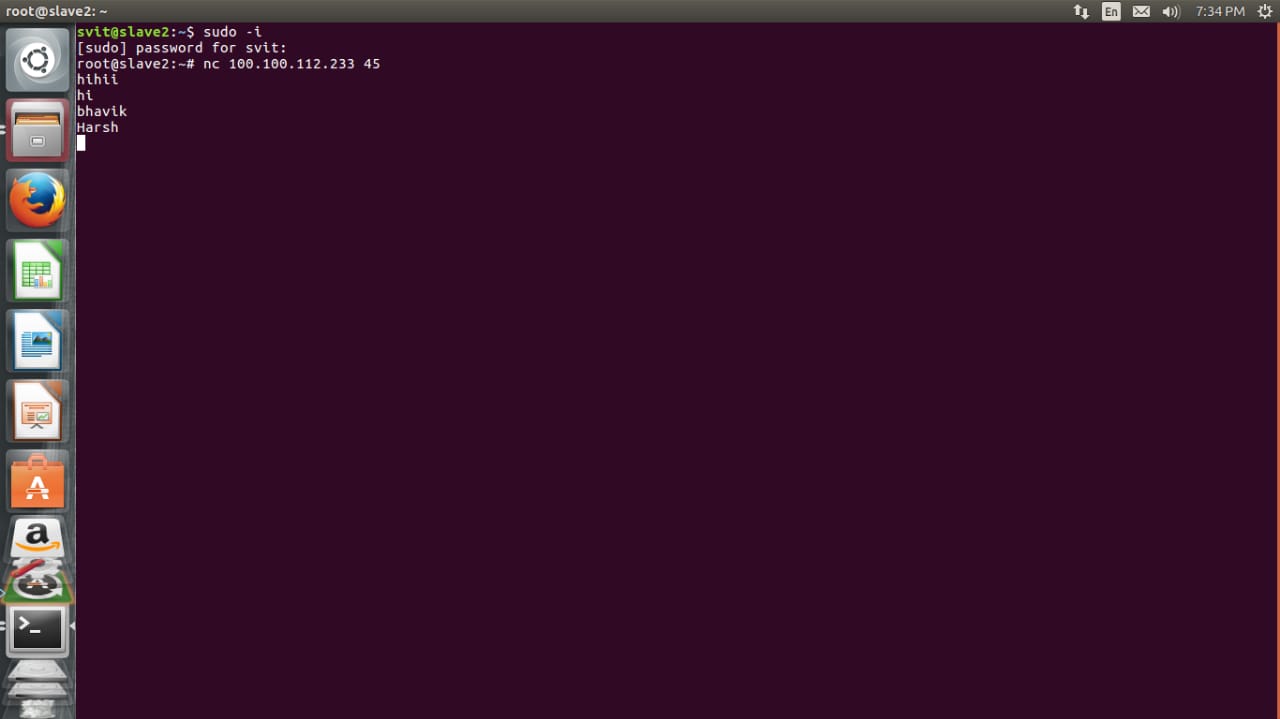
Root:nc –lvp(port number of client pc)

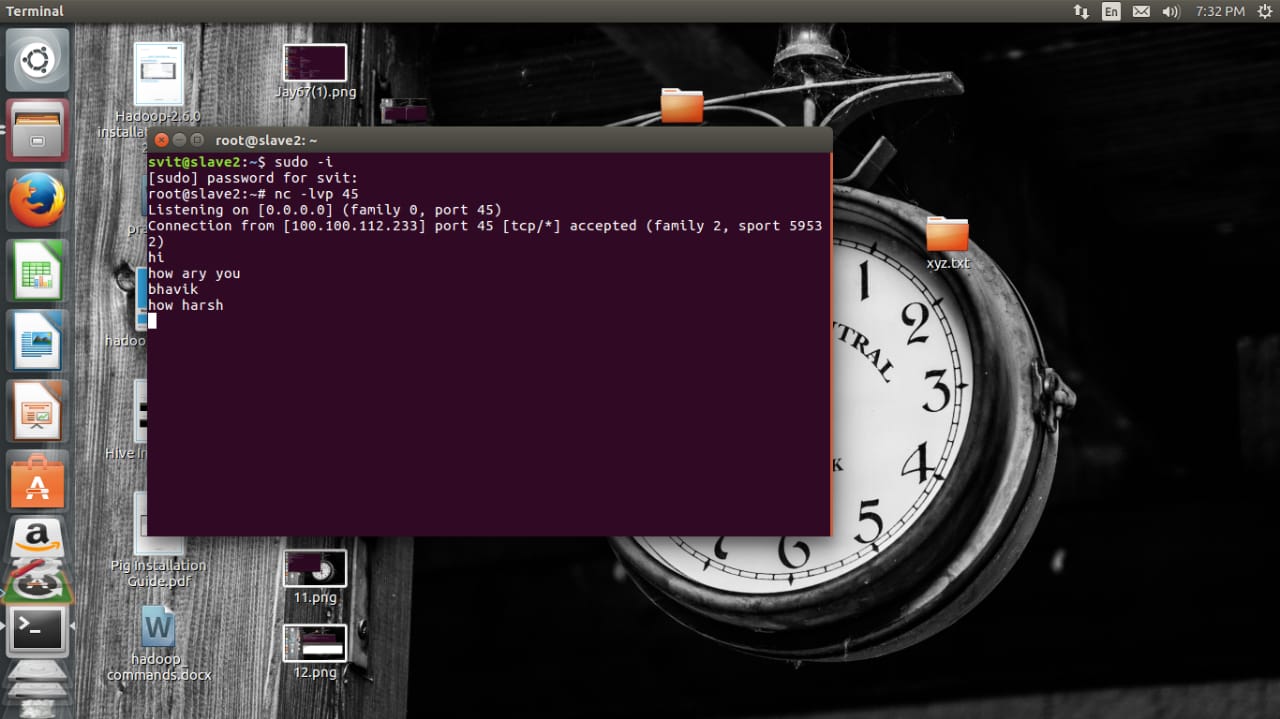
Client:

Sudo –I

Password:ghost123

Root:nc (ip address of client) (port number of server)





Following is client server relation for UDP:

Server:

Sudo –i

Password:ghost123

root:nc -l -u (port number of client)

Client:

Sudo –i

password:ghost123

root:nc -u (ip address of client) (port number of server)

FILE TRANSFER USING TCP:

Client:

Create a .txt file with desktop path.

Root: nc (ip of client) < filename.txt

Server: nc -lvp (portnumber of client) > filename.txt

