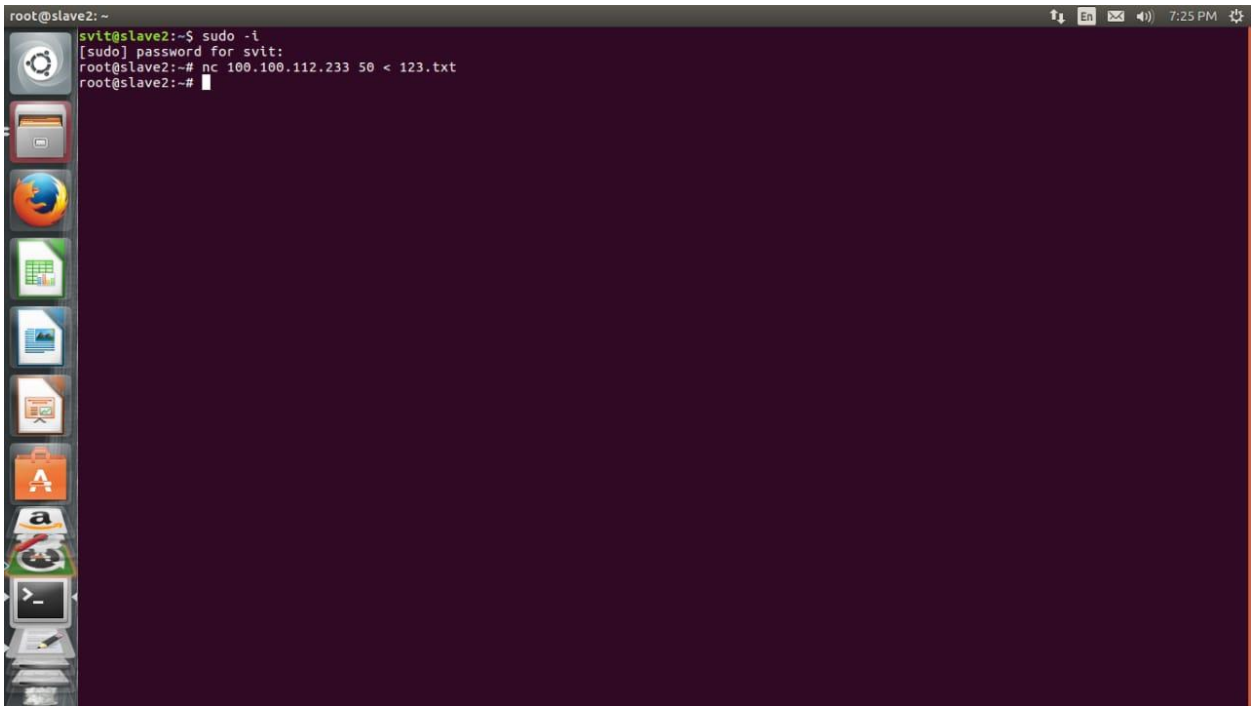
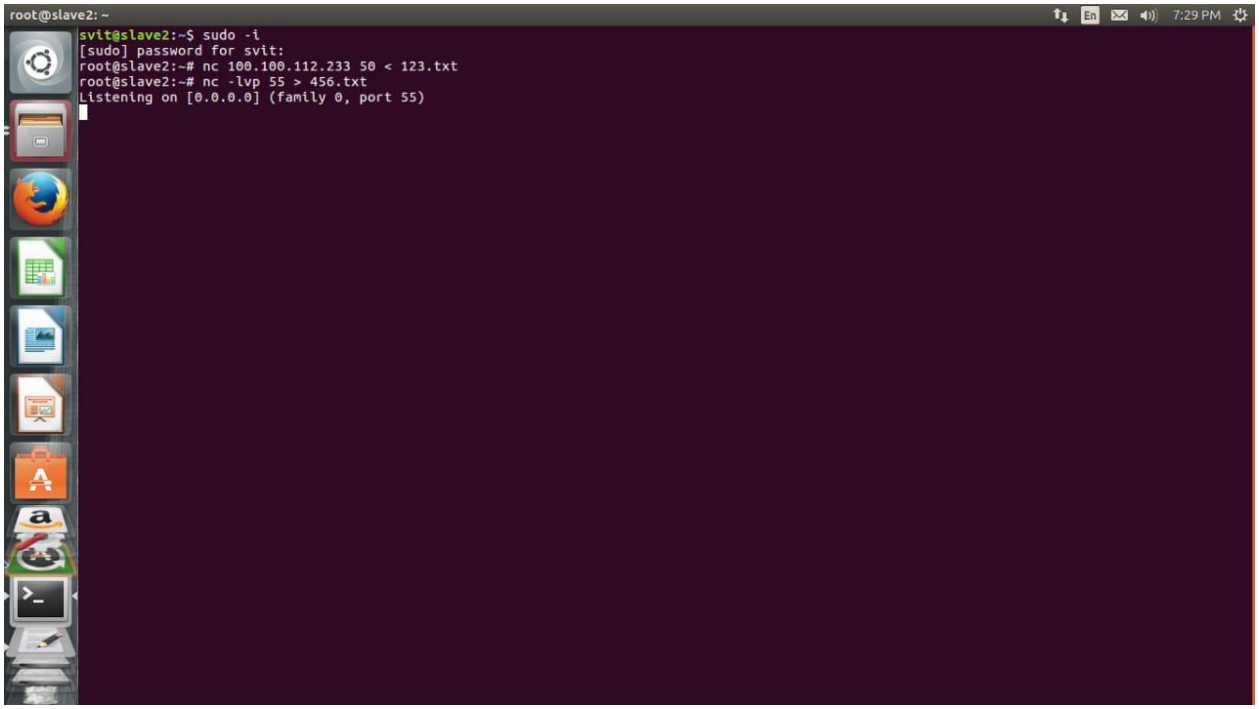
# Practical 3

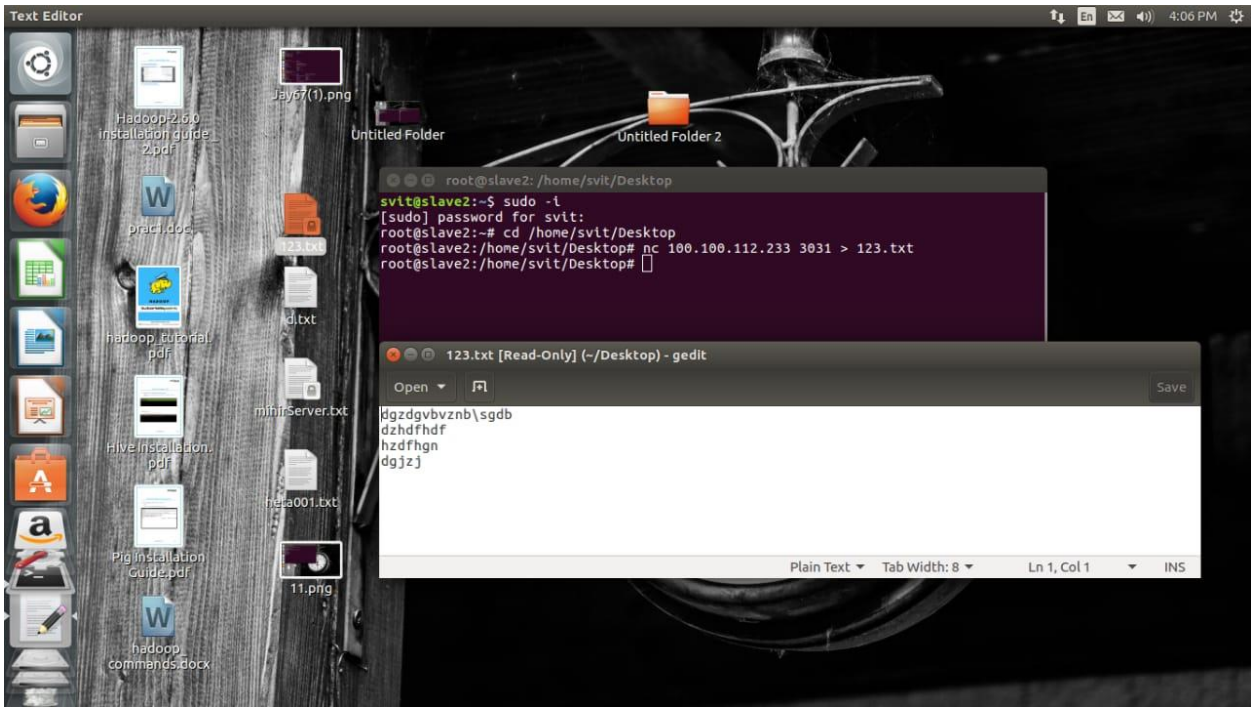
## TCP / UDP connectivity using Netcat

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

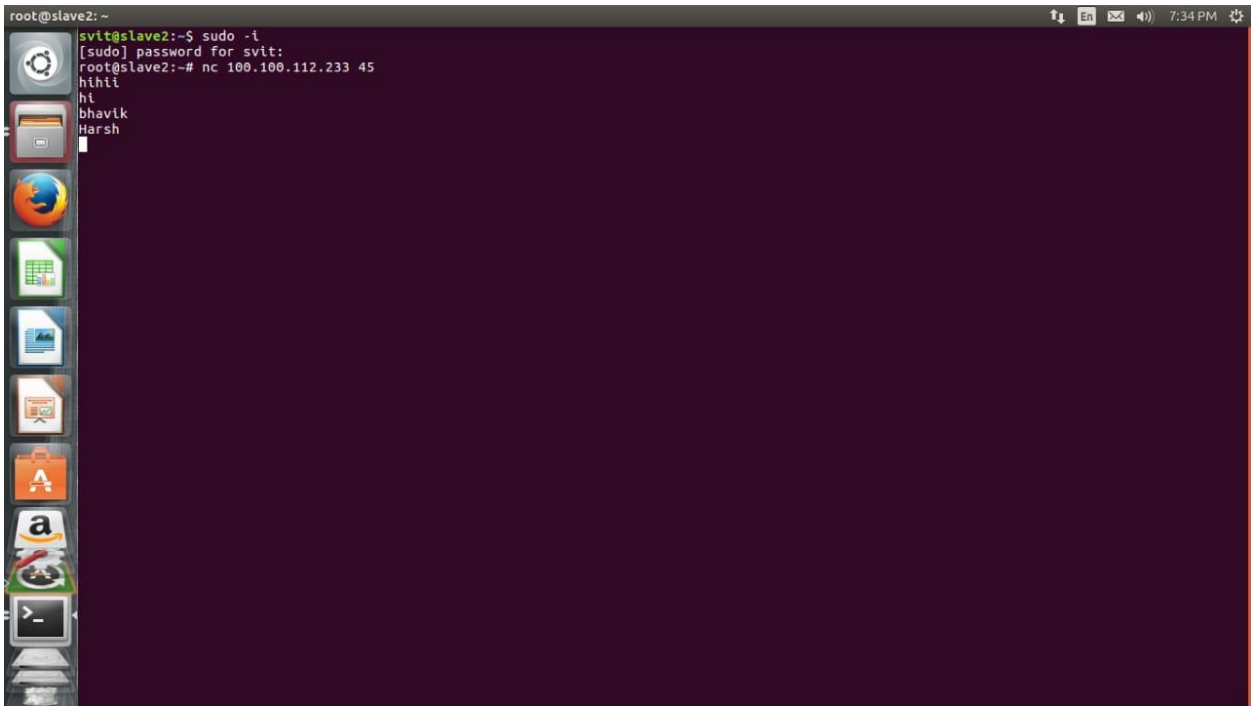
Root:nc –lvp(port number of client pc)

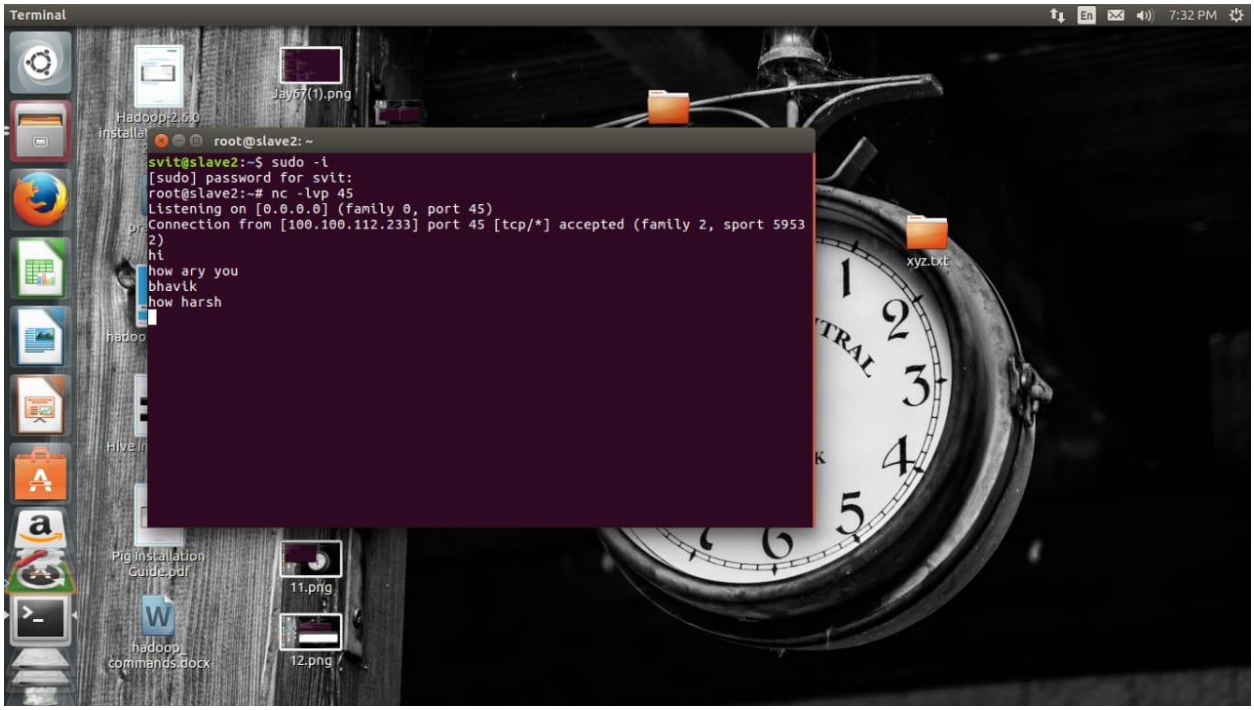
Client:

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)

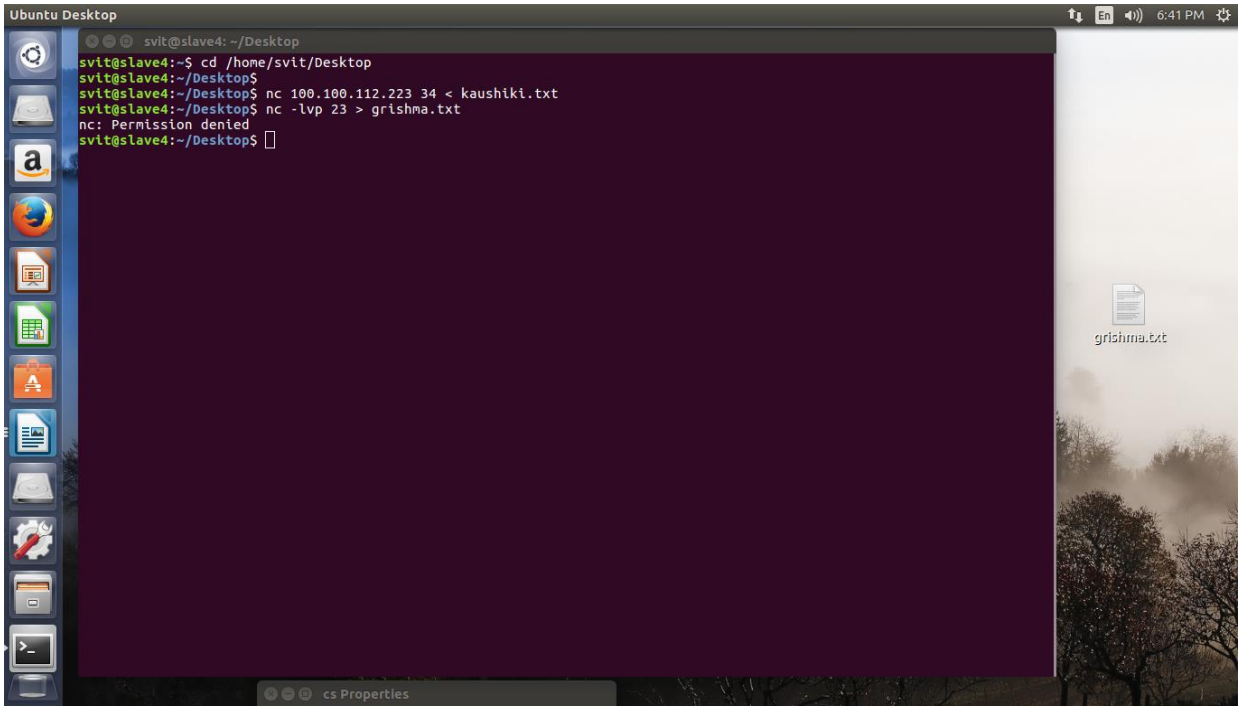
# FILE TRANSFER USING TCP:

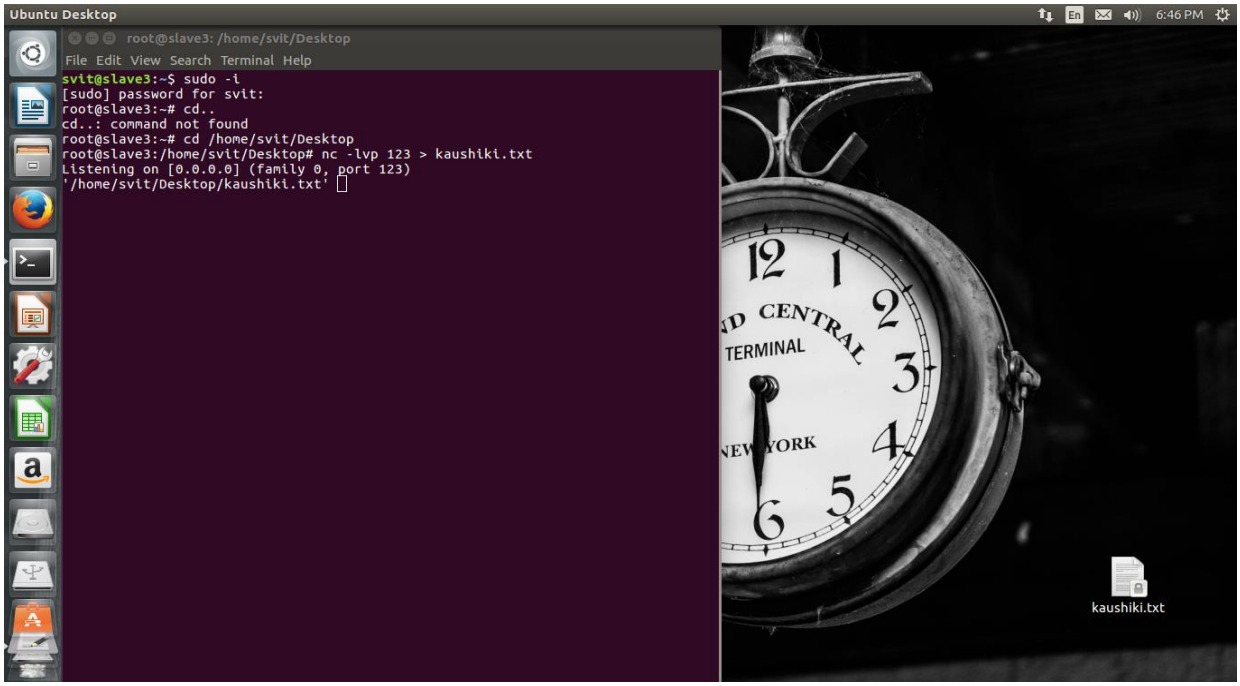
Client:

Create a .txt file with desktop path.

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

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




Ubuntu Desktop
6:46 PM
root@slave3: /home/svit/Desktop
File Edit View Search Terminal Help
svit@slave3:~$ sudo -i
[sudo] password for svit:
root@slave3:~# cd..
cd..: command not found
root@slave3:~# cd /home/svit/Desktop
root@slave3:/home/svit/Desktop# nc -lvp 123 > kaushiki.txt
Listening on [0.0.0.0] (family 0, port 123)
'/home/svit/Desktop/kaushiki.txt'
TERMINAL
kaushiki.txt