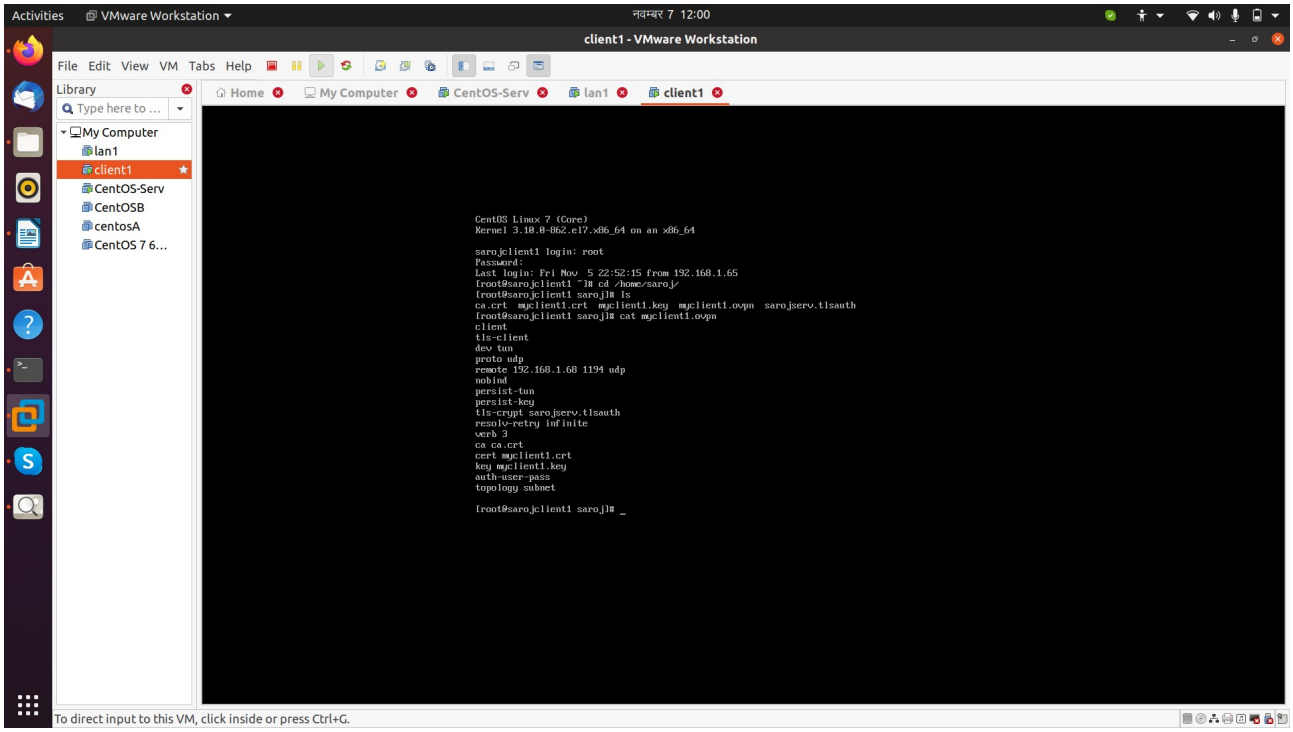
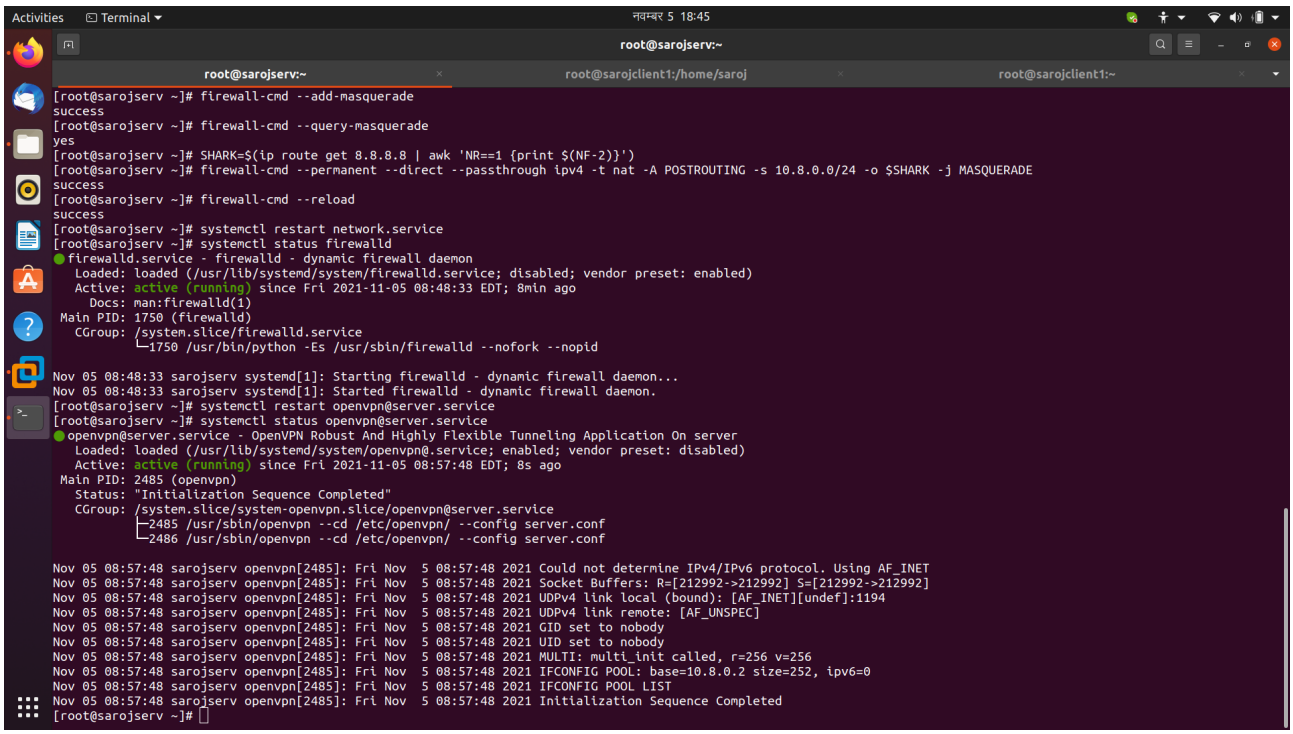
Q2

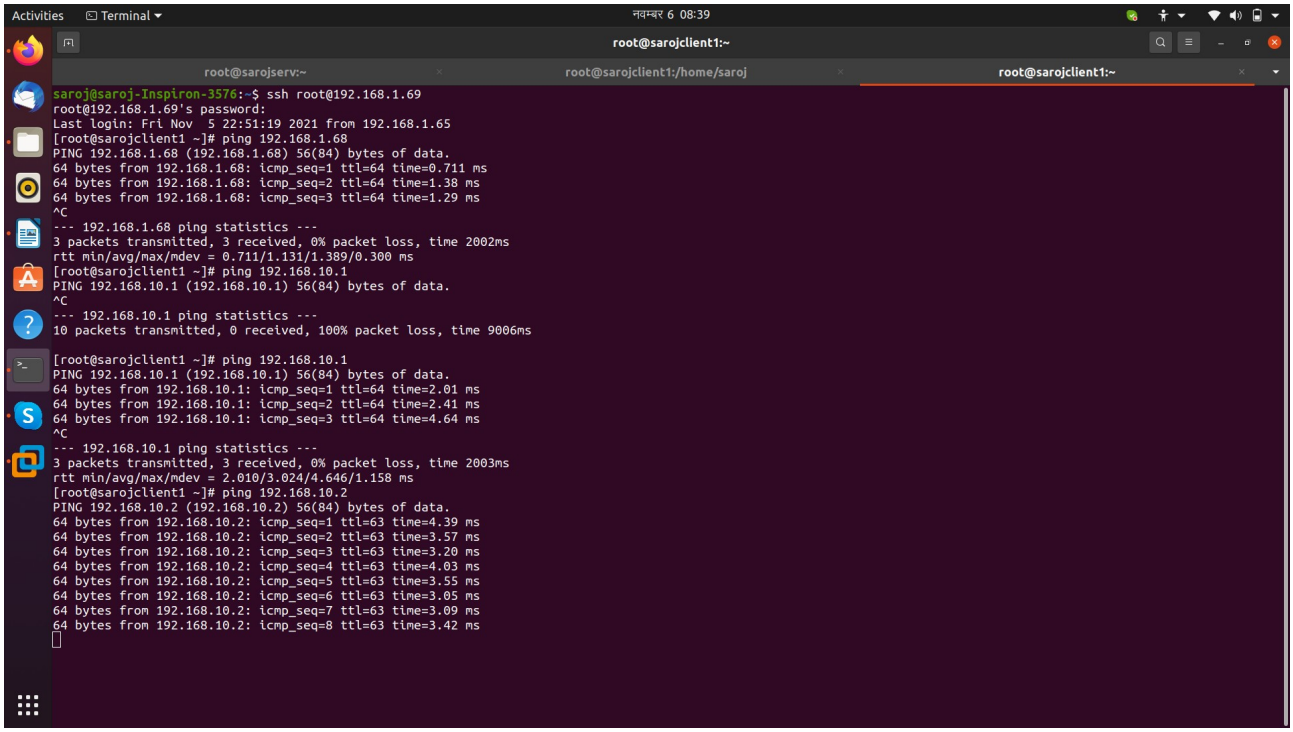
################Installed openvpn in Q1b refer in that#################################

systemctl stop openvpn@server.service
systemctl start openvpn@server.service
systemctl status openvpn@server.service
ip a

firewall-cmd --get-active-zones
systemctl start firewalld
firewall-cmd --get-active-zones
firewall-cmd --zone=public --add-service openvpn
firewall-cmd --zone=public --add-service openvpn --permanent
firewall-cmd --list-services --zone=public
firewall-cmd --add-masquerade
firewall-cmd --query-masquerade
SHARK=$(ip route get 8.8.8.8 | awk 'NR==1 {print $(NF-2)}')
firewall-cmd --permanent --direct --passthrough ipv4 -t nat -A POSTROUTING -s 10.8.0.0/24 -o $SHARK -j MASQUERADE
firewall-cmd --reload
systemctl restart network.service
systemctl status firewalld
systemctl restart openvpn@server.service
systemctl status openvpn@server.service
ip a




Activities
Terminal
नवम्बर 5 18:45
root@sarojserv:~
root@sarojserv:~
root@sarojclient1:/home/saroj
root@sarojclient1:~
[root@sarojserv ~]# firewall-cmd --add-masquerade
success
[root@sarojserv ~]# firewall-cmd --query-masquerade
yes
[root@sarojserv ~]# SHARK=$(ip route get 8.8.8.8 | awk 'NR==1 {print $(NF-2)}')
[root@sarojserv ~]# firewall-cmd --permanent --direct --passthrough ipv4 -t nat -A POSTROUTING -s 10.8.0.0/24 -o $SHARK -j MASQUERADE
success
[root@sarojserv ~]# firewall-cmd --reload
success
[root@sarojserv ~]# systemctl restart network.service
[root@sarojserv ~]# systemctl status firewalld
firewalld.service - firewalld - dynamic firewall daemon
Loaded: loaded (/usr/lib/systemd/system/firewalld.service; disabled; vendor preset: enabled)
Active: active (running) since Fri 2021-11-05 08:48:33 EDT; 8min ago
Docs: man:firewalld(1)
Main PID: 1750 (firewalld)
CGroup: /system.slice/firewalld.service
└1750 /usr/bin/python -Es /usr/sbin/firewalld --nofork --nopid
Nov 05 08:48:33 sarojserv systemd[1]: Starting firewalld - dynamic firewall daemon...
Nov 05 08:48:33 sarojserv systemd[1]: Started firewalld - dynamic firewall daemon.
[root@sarojserv ~]# systemctl restart openvpn@server.service
[root@sarojserv ~]# systemctl status openvpn@server.service
openvpn@server.service - OpenVPN Robust And Highly Flexible Tunneling Application On server
Loaded: loaded (/usr/lib/systemd/system/openvpn@.service; enabled; vendor preset: disabled)
Active: active (running) since Fri 2021-11-05 08:57:48 EDT; 8s ago
Main PID: 2485 (openvpn)
Status: "Initialization Sequence Completed"
CGroup: /system.slice/system-openvpn.slice/openvpn@server.service
├2485 /usr/sbin/openvpn --cd /etc/openvpn/ --config server.conf
└2486 /usr/sbin/openvpn --cd /etc/openvpn/ --config server.conf
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 Could not determine IPv4/IPv6 protocol. Using AF_INET
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 Socket Buffers: R=[212992->212992] S=[212992->212992]
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 UDPv4 link local (bound): [AF_INET][undef]:1194
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 UDPv4 link remote: [AF_UNSPEC]
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 GID set to nobody
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 UID set to nobody
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 MULTI: multi_init called, r=256 v=256
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 IFCONFIG POOL: base=10.8.0.2 size=252, ipv6=0
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 IFCONFIG POOL LIST
Nov 05 08:57:48 sarojserv openvpn[2485]: Fri Nov 5 08:57:48 2021 Initialization Sequence Completed
[root@sarojserv ~]#


Activities
Terminal
नवम्बर 6 08:39
root@sarojclient1:~
root@sarojserv:~
root@sarojclient1:/home/saroj
root@sarojclient1:~
saroj@saroj-Inspiron-3576:~$ ssh root@192.168.1.69
root@192.168.1.69's password:
Last login: Fri Nov 5 22:51:19 2021 from 192.168.1.65
[root@sarojclient1 ~]# ping 192.168.1.68
PING 192.168.1.68 (192.168.1.68) 56(84) bytes of data.
64 bytes from 192.168.1.68: icmp_seq=1 ttl=64 time=0.711 ms
64 bytes from 192.168.1.68: icmp_seq=2 ttl=64 time=1.38 ms
64 bytes from 192.168.1.68: icmp_seq=3 ttl=64 time=1.29 ms
^C
--- 192.168.1.68 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 0.711/1.131/1.389/0.300 ms
[root@sarojclient1 ~]# ping 192.168.10.1
PING 192.168.10.1 (192.168.10.1) 56(84) bytes of data.
^C
--- 192.168.10.1 ping statistics ---
10 packets transmitted, 0 received, 100% packet loss, time 9006ms
[root@sarojclient1 ~]# ping 192.168.10.1
PING 192.168.10.1 (192.168.10.1) 56(84) bytes of data.
64 bytes from 192.168.10.1: icmp_seq=1 ttl=64 time=2.01 ms
64 bytes from 192.168.10.1: icmp_seq=2 ttl=64 time=2.41 ms
64 bytes from 192.168.10.1: icmp_seq=3 ttl=64 time=4.64 ms
^C
--- 192.168.10.1 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 2.010/3.024/4.646/1.158 ms
[root@sarojclient1 ~]# ping 192.168.10.2
PING 192.168.10.2 (192.168.10.2) 56(84) bytes of data.
64 bytes from 192.168.10.2: icmp_seq=1 ttl=63 time=4.39 ms
64 bytes from 192.168.10.2: icmp_seq=2 ttl=63 time=3.57 ms
64 bytes from 192.168.10.2: icmp_seq=3 ttl=63 time=3.20 ms
64 bytes from 192.168.10.2: icmp_seq=4 ttl=63 time=4.03 ms
64 bytes from 192.168.10.2: icmp_seq=5 ttl=63 time=3.55 ms
64 bytes from 192.168.10.2: icmp_seq=6 ttl=63 time=3.05 ms
64 bytes from 192.168.10.2: icmp_seq=7 ttl=63 time=3.09 ms
64 bytes from 192.168.10.2: icmp_seq=8 ttl=63 time=3.42 ms