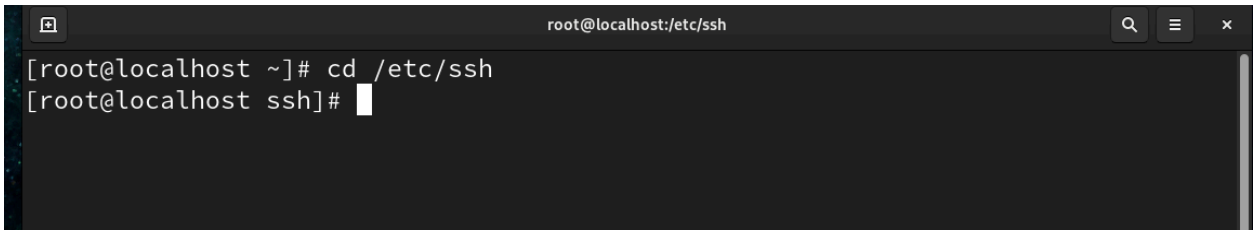
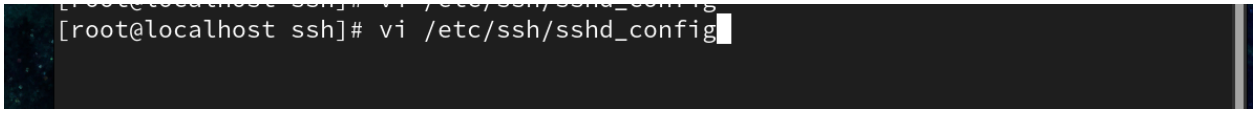
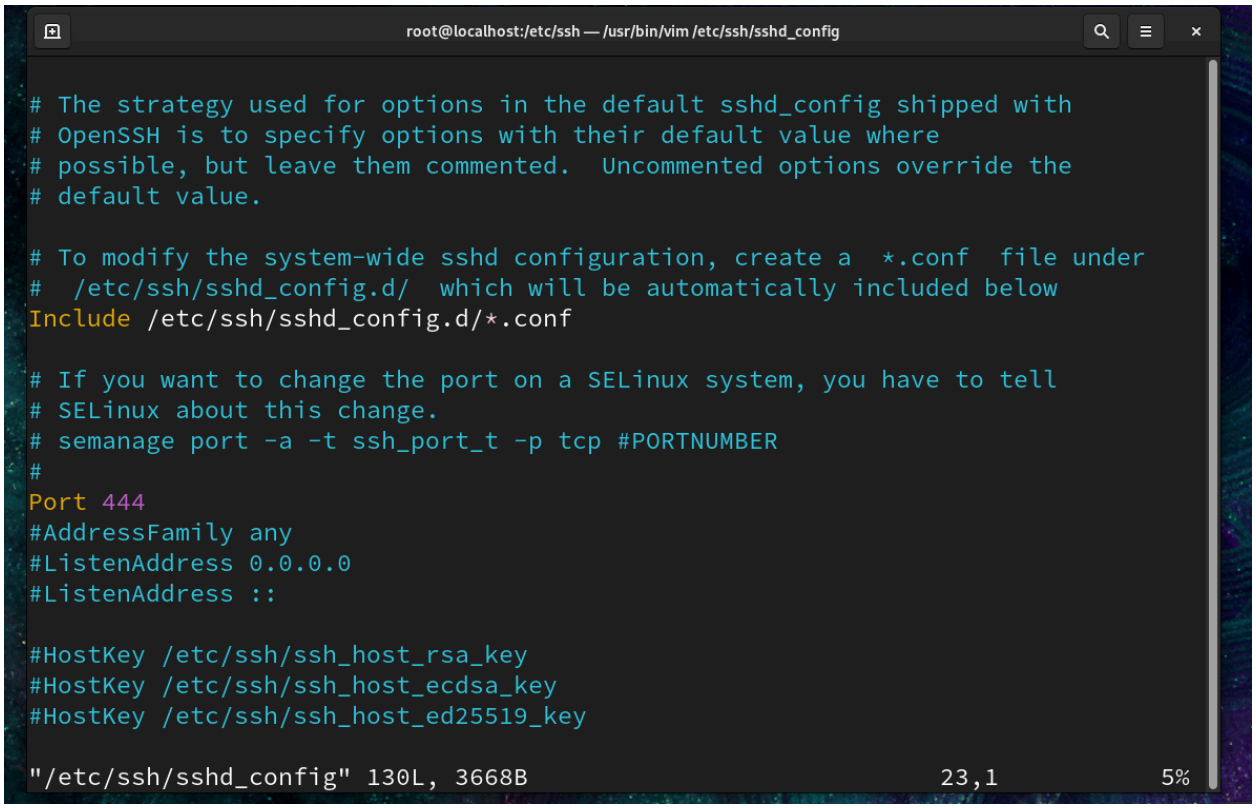
Assignment no.1

1. Go to the ssh folder

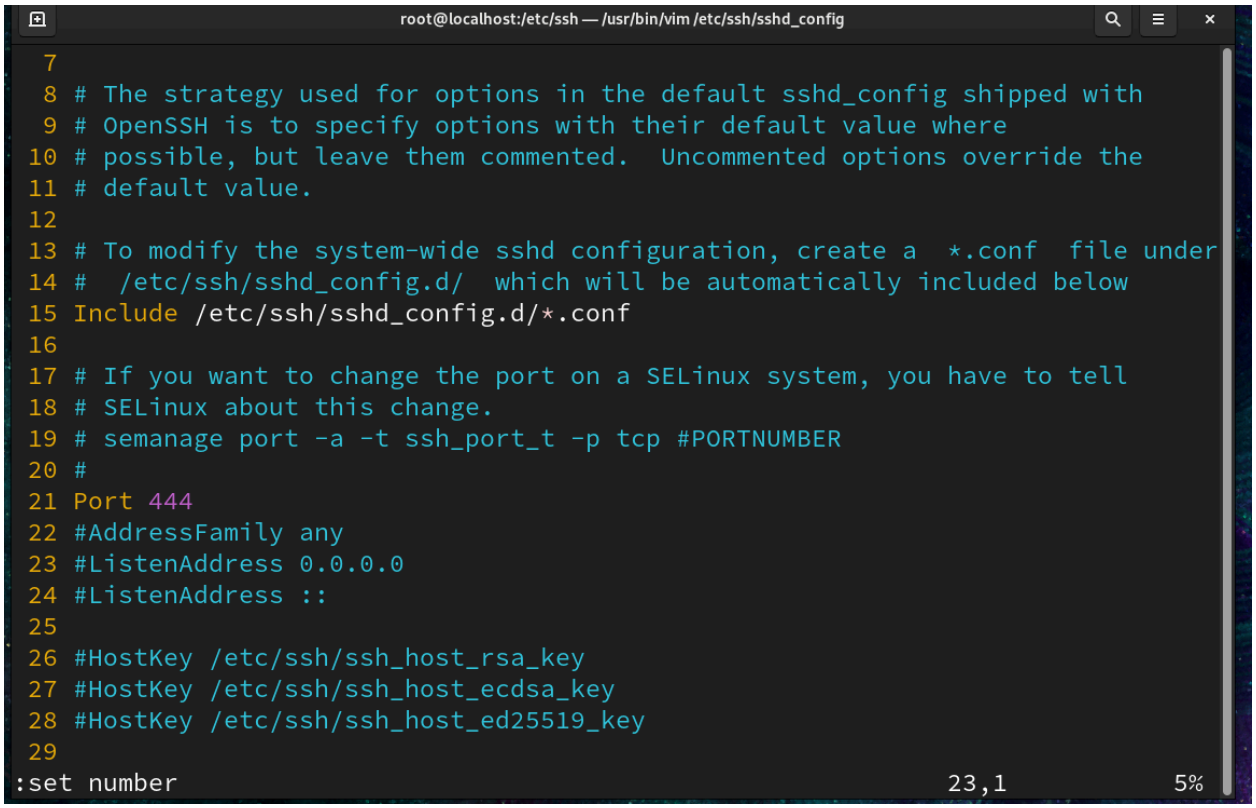


2. After this command, this file will open we had to edit it anyway





3. Use this command :set number



5.Add this line on 23 number

6. Add this in 41 line

```
37
38 # Authentication:
39
40 #LoginGraceTime 2m
41 PermitRootLogin yes
42 #PermitRootLogin prohibit-password
43 #StrictModes yes
44 #MaxAuthTries 6
45 #MaxSessions 10
46
47 #PubkeyAuthentication yes
48
```

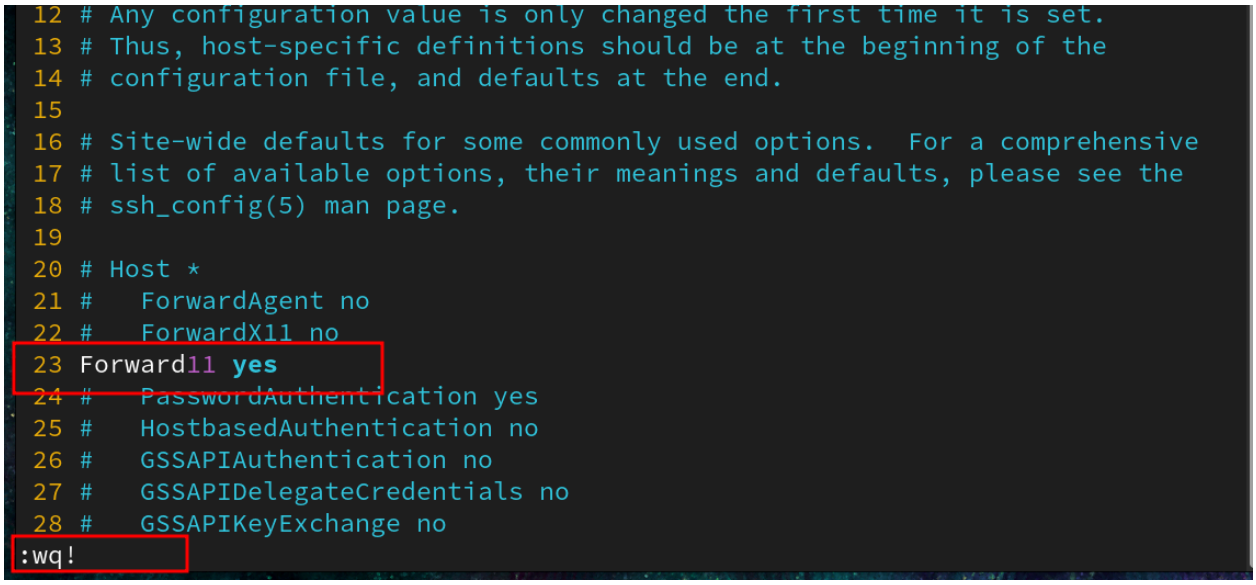
7. Add this line in 104

```
100 #AllowAgentForwarding yes
101 #AllowTcpForwarding yes
102 #GatewayPorts no
103 #X11Forwarding no
104 X11Forwarding yes
105 #X11DisplayOffset 10
106 #X11UseLocalhost yes
107 #PermitTTY yes
108 #PrintMotd yes
109 #PrintLastLog yes
110 #TCPKeepAlive yes
111 #PermitUserEnvironment no
```

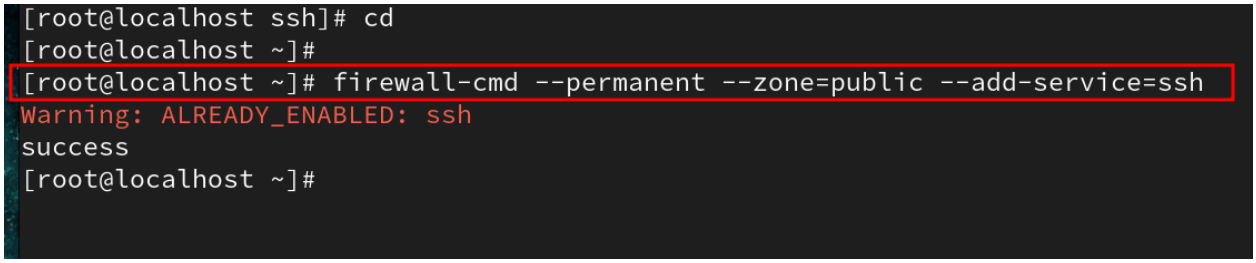
8. Add this :wq! to save the file

```
101 #AllowTcpForwarding yes
102 #GatewayPorts no
103 #X11Forwarding no
104 X11Forwarding yes
105 #X11DisplayOffset 10
106 #X11UseLocalhost yes
107 #PermitTTY yes
108 #PrintMotd yes
109 #PrintLastLog yes
110 #TCPKeepAlive yes
111 #PermitUserEnvironment no
112 #Compression delayed
113 #ClientAliveInterval 0
114 #ClientAliveCountMax 3
115 #UseDNS no
:wq!
```

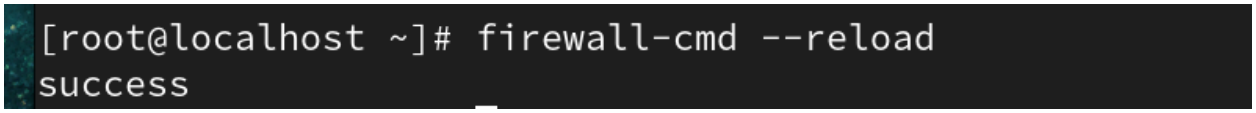
9. Add this line in 23 and save it



10. After writing this command you can see it is already enabled and success



11. After this command we see the success means it has been done



12. List is also active and success

```
[root@localhost ~]# firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: enp0s3
  sources:
  services: cockpit dhcpv6-client ssh
  ports:
  protocols:
  forward: yes
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
[root@localhost ~]#
```

13. We can see the active status here

```
[root@localhost ~]# systemctl restart sshd
[root@localhost ~]# systemctl status sshd
● sshd.service - OpenSSH server daemon
     Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; preset: enabled)
     Active: active (running) since Thu 2024-09-26 22:14:40 IST; 7s ago
       Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 5516 (sshd)
      Tasks: 1 (limit: 23020)
     Memory: 1.4M
        CPU: 21ms
     CGroup: /system.slice/sshd.service
             └─5516 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 26 22:14:40 localhost.localdomain systemd[1]: Starting OpenSSH server daemon...
Sep 26 22:14:40 localhost.localdomain sshd[5516]: Server listening on 0.0.0.0 port 22.
Sep 26 22:14:40 localhost.localdomain systemd[1]: Started OpenSSH server daemon.
[root@localhost ~]#
```

14. After downloading the Xming Xserver and putty
In putty i had connected the ip address of centos and you can it get access properly and created the file there and it is showing in centos so in these we can access the remote system