ASSIGNMENT -3   Q-3   Prithviraj Nikam

Step 1:- install open ssh client

```
[root@localhost ~]# dnf install openssh-server
Last metadata expiration check: 4:51:23 ago on Thursday 27 October 2022 02:33:49
 PM IST.
Package openssh-server-8.0p1-12.el8.x86_64 is already installed.
Dependencies resolved.
================================================================================
 Package              Architecture Version            Repository        Size
================================================================================
Upgrading:
 openssh              x86_64       8.0p1-16.el8        baseos           523 k
 openssh-askpass      x86_64       8.0p1-16.el8        appstream         94 k
 openssh-clients      x86_64       8.0p1-16.el8        baseos           669 k
 openssh-server       x86_64       8.0p1-16.el8        baseos           493 k

Transaction Summary
================================================================================
Upgrade  4 Packages

Total download size: 1.7 M
Is this ok [y/N]: y
Downloading Packages:
(1/4): openssh-askpass-8.0p1-16.el8.x86_64.rpm   498 kB/s |   94 kB      00:00
(2/4): openssh-8.0p1-16.el8.x86_64.rpm           811 kB/s |  523 kB      00:00
(3/4): openssh-server-8.0p1-16.el8.x86_64.rpm    983 kB/s |  493 kB      00:00
```

Step 2:- configure open ssh server

```
 Upgrading       : openssh-server-8.0p1-16.el8.x86_64              4/8
 Running scriptlet: openssh-server-8.0p1-16.el8.x86_64             4/8
 Running scriptlet: openssh-server-8.0p1-12.el8.x86_64             5/8
 Cleanup         : openssh-server-8.0p1-12.el8.x86_64              5/8
 Running scriptlet: openssh-server-8.0p1-12.el8.x86_64             5/8
 Cleanup         : openssh-clients-8.0p1-12.el8.x86_64             6/8
 Cleanup         : openssh-askpass-8.0p1-12.el8.x86_64             7/8
 Cleanup         : openssh-8.0p1-12.el8.x86_64                     8/8
 Running scriptlet: openssh-8.0p1-12.el8.x86_64                    8/8
 Verifying       : openssh-askpass-8.0p1-16.el8.x86_64             1/8
 Verifying       : openssh-askpass-8.0p1-12.el8.x86_64             2/8
 Verifying       : openssh-8.0p1-16.el8.x86_64                     3/8
 Verifying       : openssh-8.0p1-12.el8.x86_64                     4/8
 Verifying       : openssh-clients-8.0p1-16.el8.x86_64             5/8
 Verifying       : openssh-clients-8.0p1-12.el8.x86_64             6/8
 Verifying       : openssh-server-8.0p1-16.el8.x86_64             7/8
 Verifying       : openssh-server-8.0p1-12.el8.x86_64             8/8

Upgraded:
  openssh-8.0p1-16.el8.x86_64              openssh-askpass-8.0p1-16.el8.x86_64
  openssh-clients-8.0p1-16.el8.x86_64     openssh-server-8.0p1-16.el8.x86_64

Complete!
[root@localhost ~]#
```

Step 3:- provide port number

```
Port 22
#AddressFamily any
ListenAddress 0.0.0.0
#ListenAddress ::
```

Step 4:- run Systemctl cmd

```
Complete!
[root@localhost ~]# vi /etc/ssh/sshd_config
[root@localhost ~]# systemctl restart sshd
[root@localhost ~]#
```

```
[root@localhost ~]# vi /etc/ssh/sshd_config
[root@localhost ~]# systemctl restart sshd
[root@localhost ~]# systemctl stop firewalld
[root@localhost ~]#
[root@localhost ~]# iptables -F
[root@localhost ~]#
```

SERVER

Step -1 Chek server config

```
[root@localhost ~]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.3.78  netmask 255.255.255.0  broadcast 192.168.3.255
        inet6 fe80::a00:27ff:fe88:67f8  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:88:67:f8  txqueuelen 1000  (Ethernet)
        RX packets 2047  bytes 2004572 (1.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 824  bytes 63068 (61.5 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
```

Step 2:-Start- open ssh server

```
[root@localhost ~]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.3.202  netmask 255.255.255.0  broadcast 192.168.3.255
        inet6 fe80::a00:27ff:feb5:fb0d  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:b5:fb:0d  txqueuelen 1000  (Ethernet)
```

```
[root@localhost ~]# ssh root@192.168.3.78
The authenticity of host '192.168.3.78 (192.168.3.78)' can't be established.
ECDSA key fingerprint is SHA256:m7+PWQj1KH6M1hT+Z7uQ3mzKGNDoGA0Iuv8oU2ZKJ6w.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.3.78' (ECDSA) to the list of known hosts.
root@192.168.3.78's password:
Activate the web console with: systemctl enable --now cockpit.socket

Last login: Thu Oct 27 19:17:37 2022
[root@localhost ~]#
```