NFS SERVER in UNUNTU (partially SUCCESSFUL)

==> in this experiment we use the fedora server as a nfs server
==> and fedora as a client(locally)

==> the server ip address is 192.168.0.7/24
==>client ip address is 192.168.0.7/24(locally tested)

---

1)first

---

first install the kernel modules in the fedora

=>sudo dnf install -y nfs-utils nfs-utils-lib

---

2)second-1

---

first we have to add a service to a firewall

==>sudo firewall-cmd - -add-service=nfs - -permanent

reload the firewall-c

==>sudo firewall-cmd - -reload

enable the nfs service as a startup service

==>sudo systemctl enable nfs

restart the nfs service

==> sudo systemctl restart nfs

---

second-2

---

we need to create two directory
=>one is for root
=> another is for public user

==>mkdir -p /var/lib/nfsroot
==>mkdir -p /var/lib/nfspub
==>sudo chmod 777 /var/lib/nfspub

3)third

---

we need to edit the /etc/exports file
=>one entry is for the root
=>another entry is for the public

*) for root
vim /etc/exports/

/var/lib/nfsroot
192.168.0.7/24(rw,sync,no_root_squash)

---

rw ==>writing power
sync ==> data will be synced in both side if the data is modified
no_root_squash ==> when logged in it will logged in as a root*)

for user(same file)

vim /etc/exports

/var/lib/nfspub *(rw,sync,root_squash)

* means everyone can access
rw ==>writing power
sync ==> data will be synced in both side if the data is modified
root_squash ==> when logged in it will logged in as a user nobody:nobody

4) fourth
apply the change
=>sudo exportfs -ra

5)fifth
if client is red-hat based
=>sudo yum(or dnf) install nfs-utils nfs-utils-lib

connect:(from the client)

==>sudo mount -t nfs 127.0.0.1:/var/lib/nfspub /mnt

remote location(server) (client)