NFS SERVER in UNUNTU (COMPLETE SUCCESSFUL)

==> in this experiment we use the ubuntu server as a nfs server
==> and fedora as a client
==> and the ufw in the ubuntu is disabled
==> and the selinux is disabled
==> the server ip address is 192.168.0.6/24
==>client ip address is 192.168.0.7/24

1)first

first install the kernel modules in the ubuntu(ubuntu provides kernel based module for this)

=>sudo apt install nfs-kernel-server

2)second

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)

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* 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

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apply the change

=>sudo exportfs -ra

5)fifth

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if client is red-hat based

=>sudo yum(or dnf) install nfs-utils nfs-utils-lib

connect:(from the client)

sudo mount -t nfs 192.168.0.6/24:/var/lib/nfspub /mnt

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                                    remote location(server)   (client)