**Install and configure NFS server**

**i) Install NFS server component package on server X and NFS client component on client machine Y**

->sudo apt update

Install the NFS server package

->sudo apt install nfs-kernel-server

Create the directory to be shared

->sudo mkdir /sample

Setting the permissions for the directory

->sudo chown nobody:nogroup /sample

->sudo chmod 777 /sample

Edit the NFS exports file

->sudo nano /etc/exports

Add the line in above file

**/sample 65.0.27.81(rw,sync,no\_subtree\_check)**

->sudo exportfs –a

Restart the NFS server

->sudo systemctl restart nfs-kernel-server

Check the status of the NFS server

->sudo systemctl status nfs-kernel-server

**ii) Export folder /sample from NFS server X which should be available to client machine Y only. No other client should be able to access /sample**

->sudo apt update

Install the NFS client package

->sudo apt install nfs-common

Create a mount point(Folder)

->sudo mkdir /mnt

Mount the NFS share (IP address of server 13.234.122.91)

->sudo mount 13.234.122.91:/sample /mnt

**iii) Mount exported nfs folder to the client machine Y on /mnt (client machine) and create folder, files inside mount point /mnt - troubleshoot if you are not able to create folder or files inside mount point /mnt**

We can verify the mount & can see the NFS share mounted at /mnt

->df –h

Creating folder & file inside mount point on Client Machine

->cd /mnt

->sudo mkdir test\_folder

->sudo touch test\_file.txt