Task: Sharing Files Between Two Computers Using LAN Cable

Saad Ahmad

20P-0051

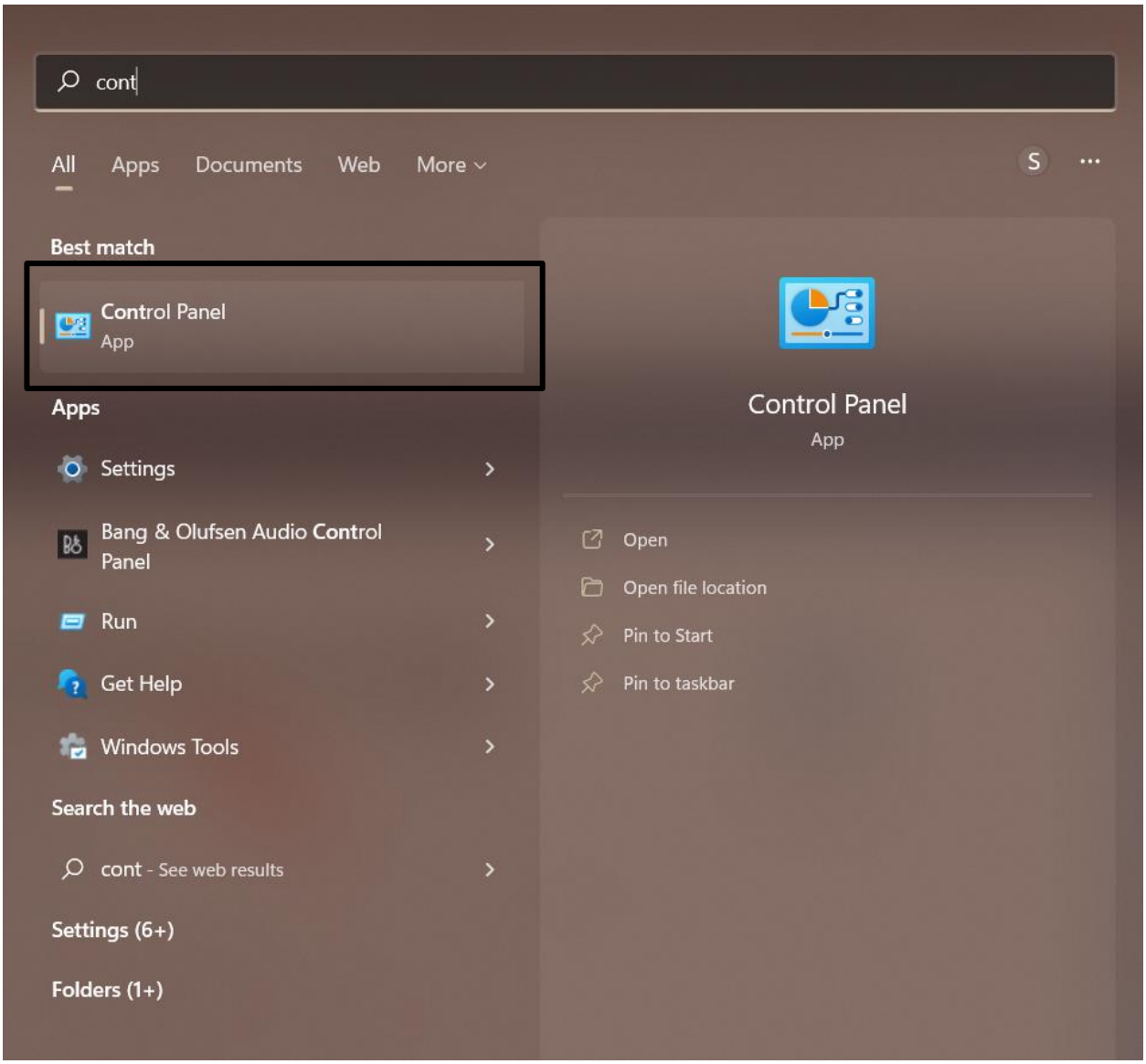
Sharing file in windows

Note: Turn off your Wi-Fi

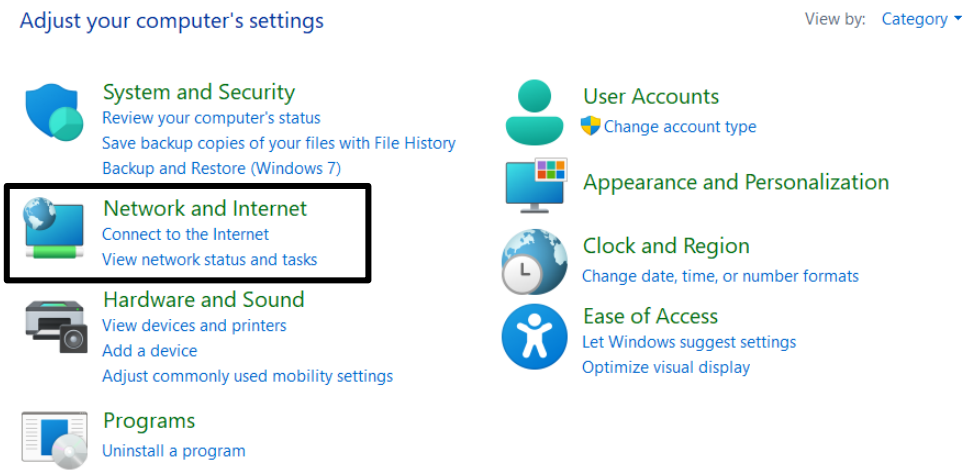
Connect the two PCs with the Ethernet cable.

Configuring PC2:

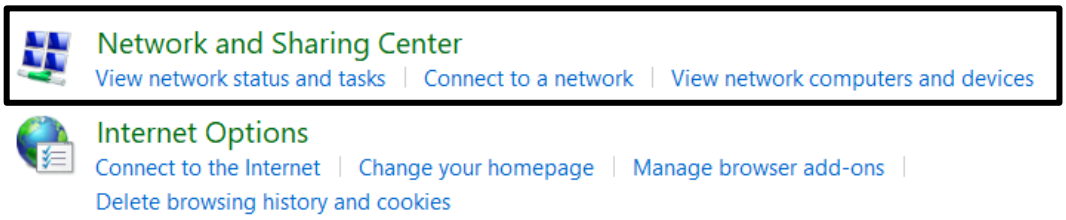
Open Control Panel from the start menu.



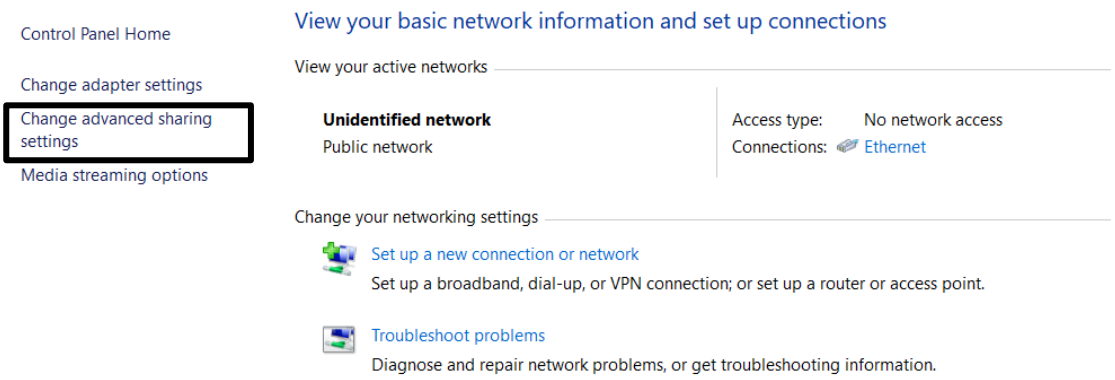
Now select the “Network and Internet”



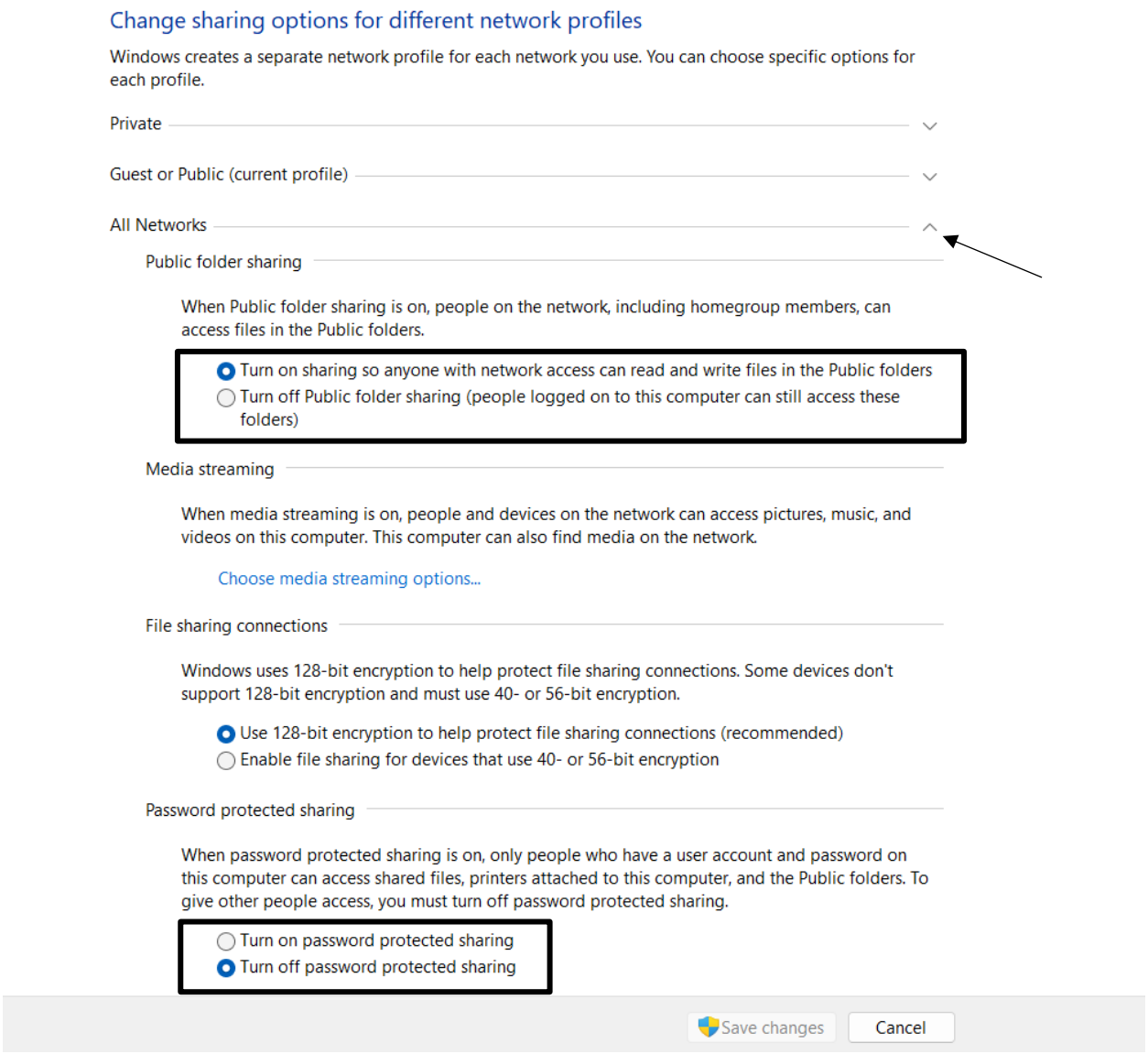
Now select the “Network and Sharing Center”



Now select the “Change advanced sharing settings” from the left menu.

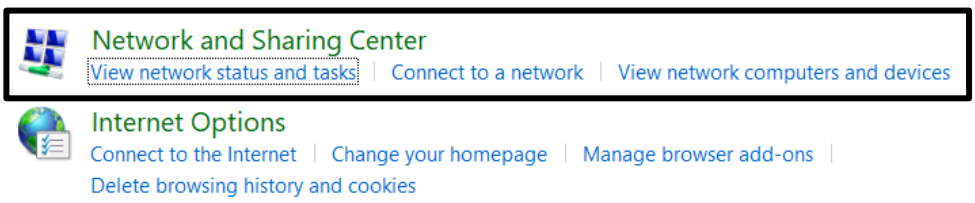


Now expand All Networks by clicking on the drop-down icon. Here, we need to enable Public Sharing so that the PCs can access files from each other over the LAN cable. To avoid more configuration, just Turn off password protected sharing. By doing so, you enable the other computer to access shared data without providing any credentials.

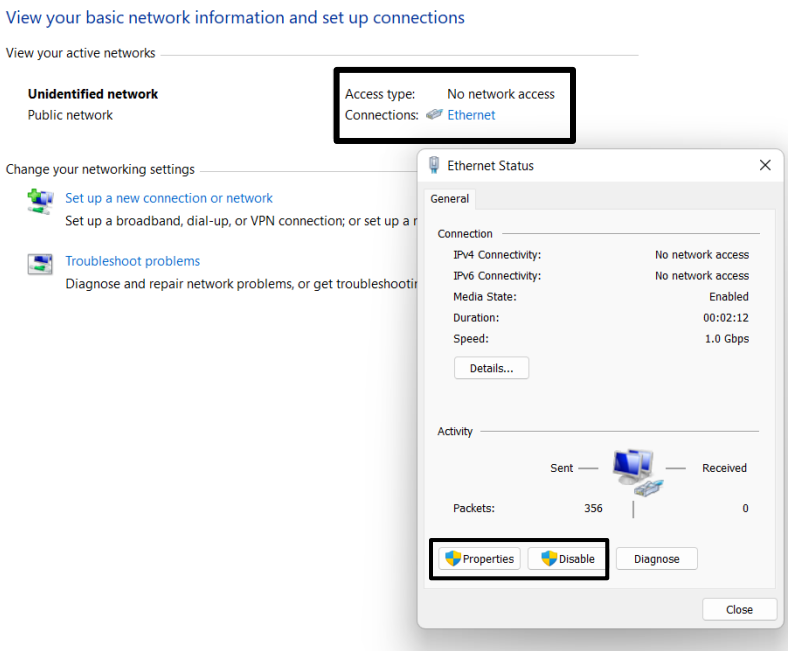


Now we will step up the static IP:

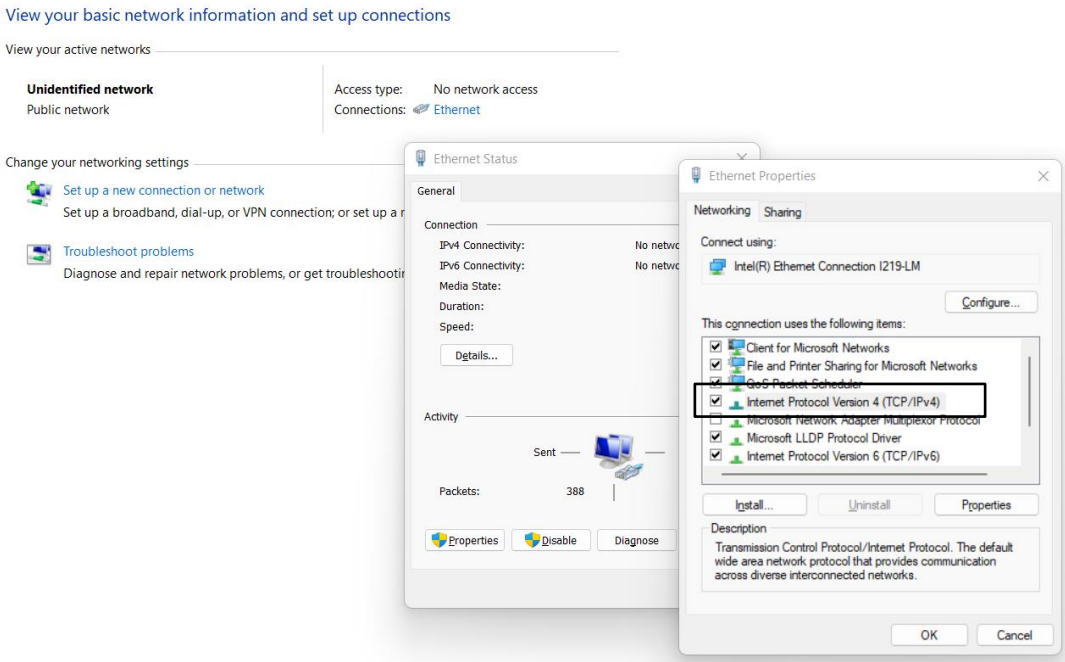
So, for that click on the Network and Sharing Center



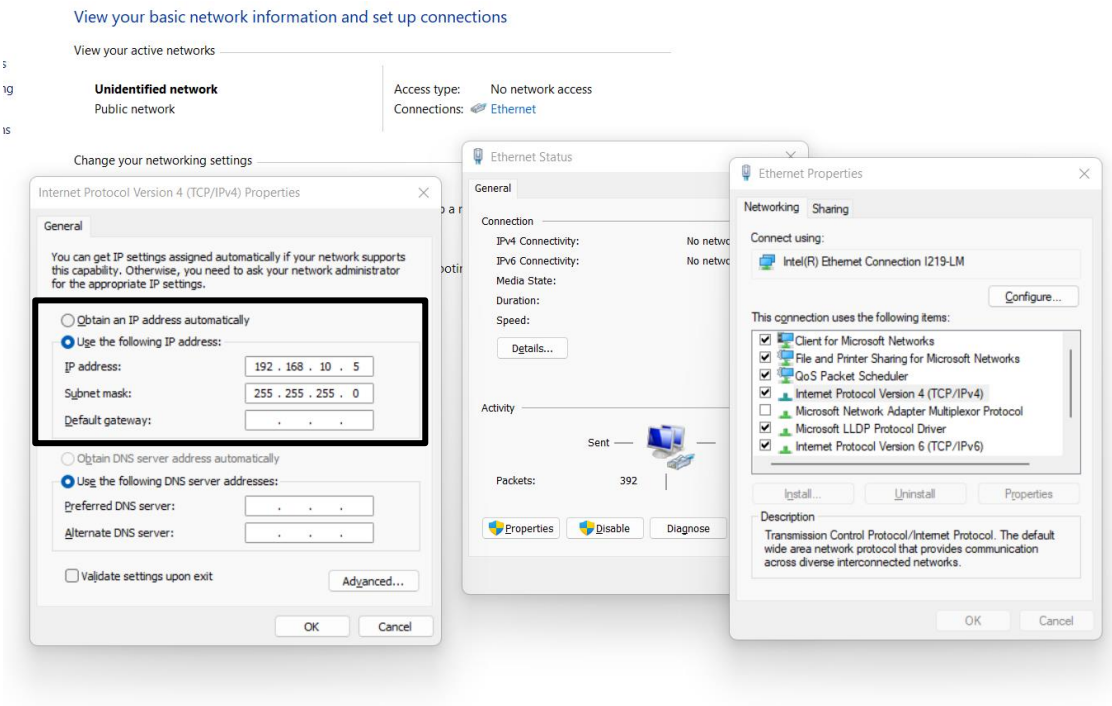
Click on the Ethernet



And now click on the properties

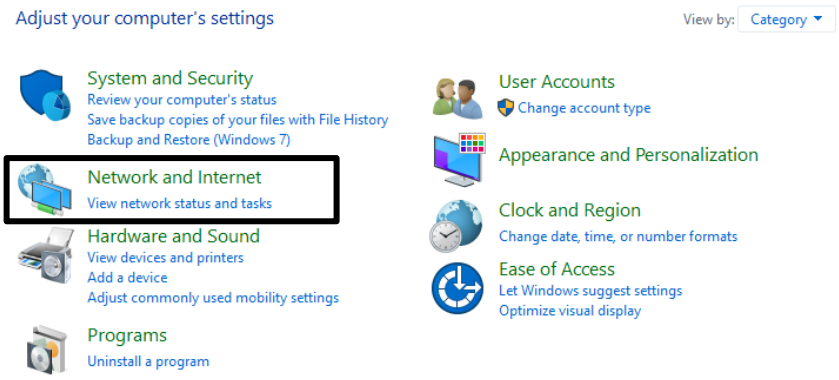


Now select the “Internet Protocol Version 4 (TCP/IPv4)” and open its properties assign the static IP to the PC.



Configuring PC1:

Open Control Panel and select “Network and Internet”.



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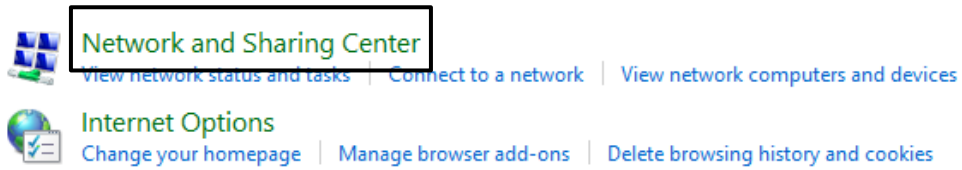

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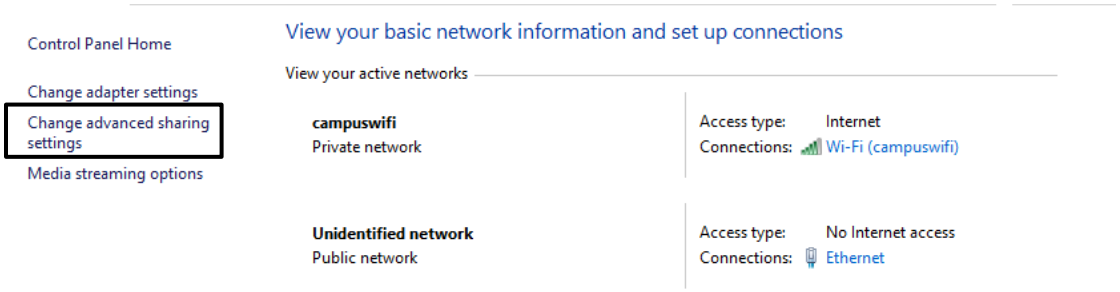

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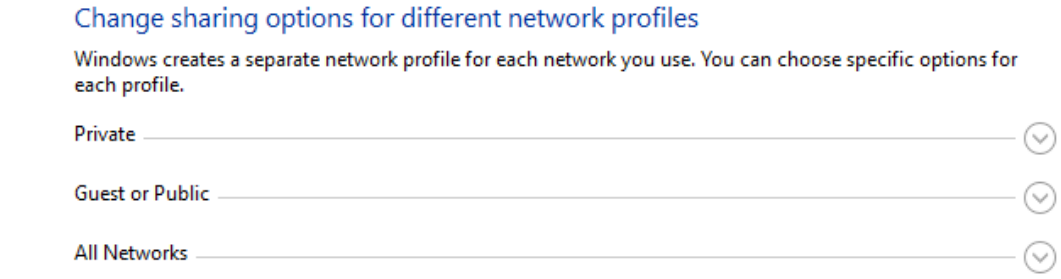

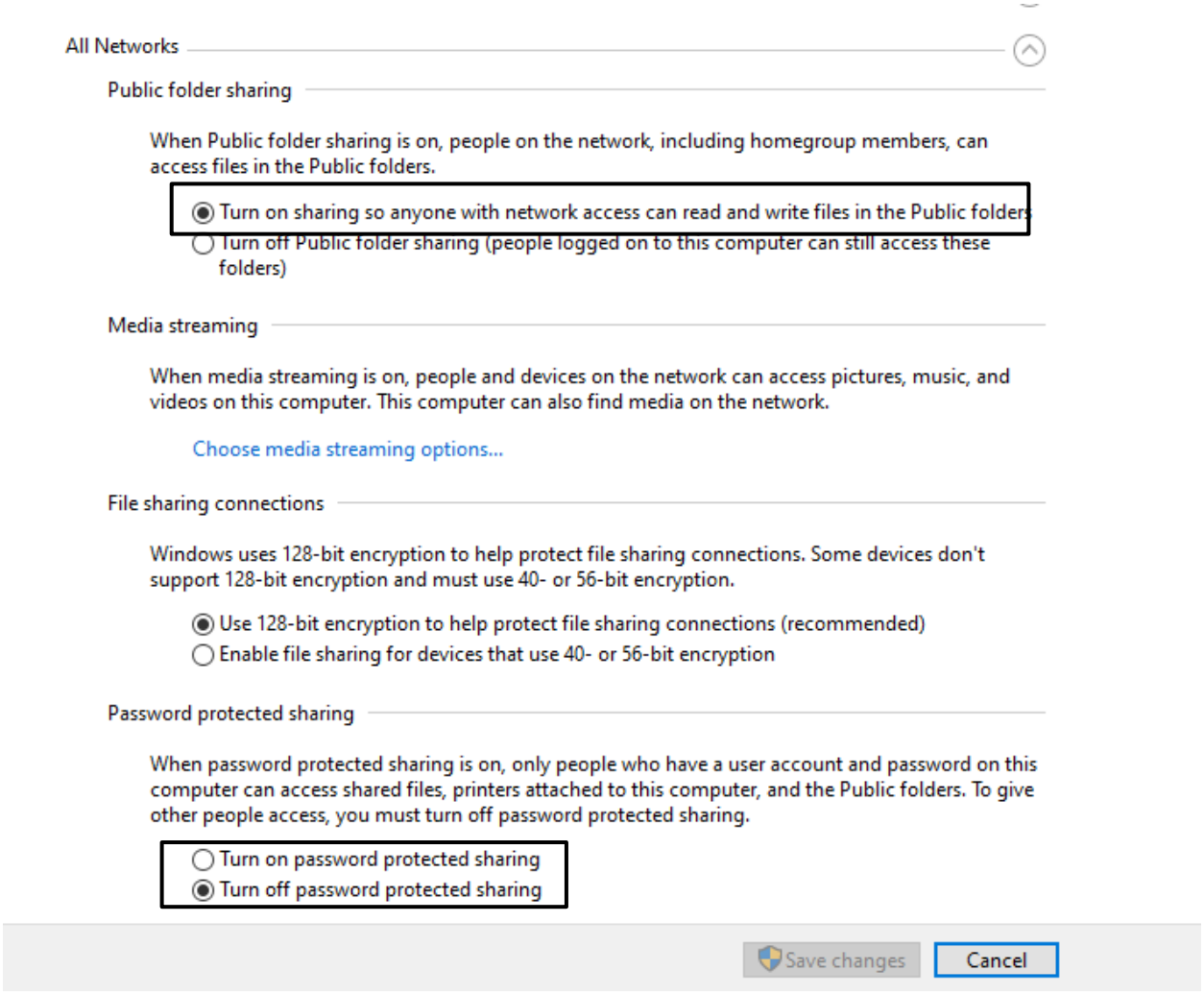

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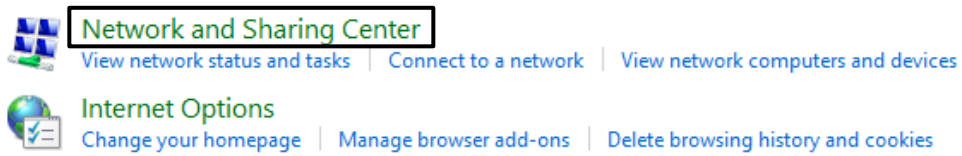
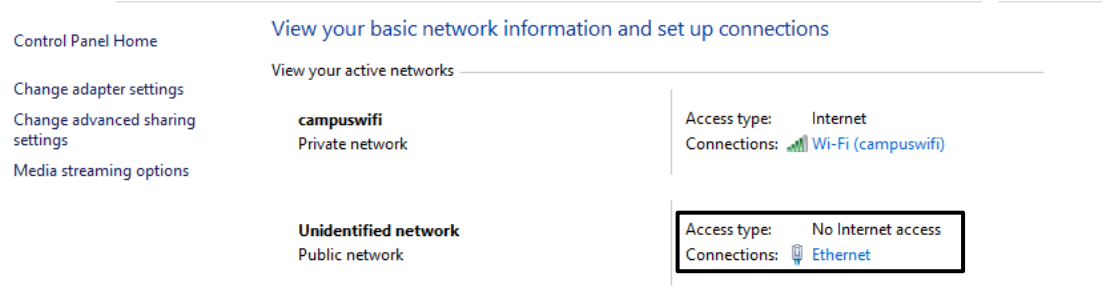
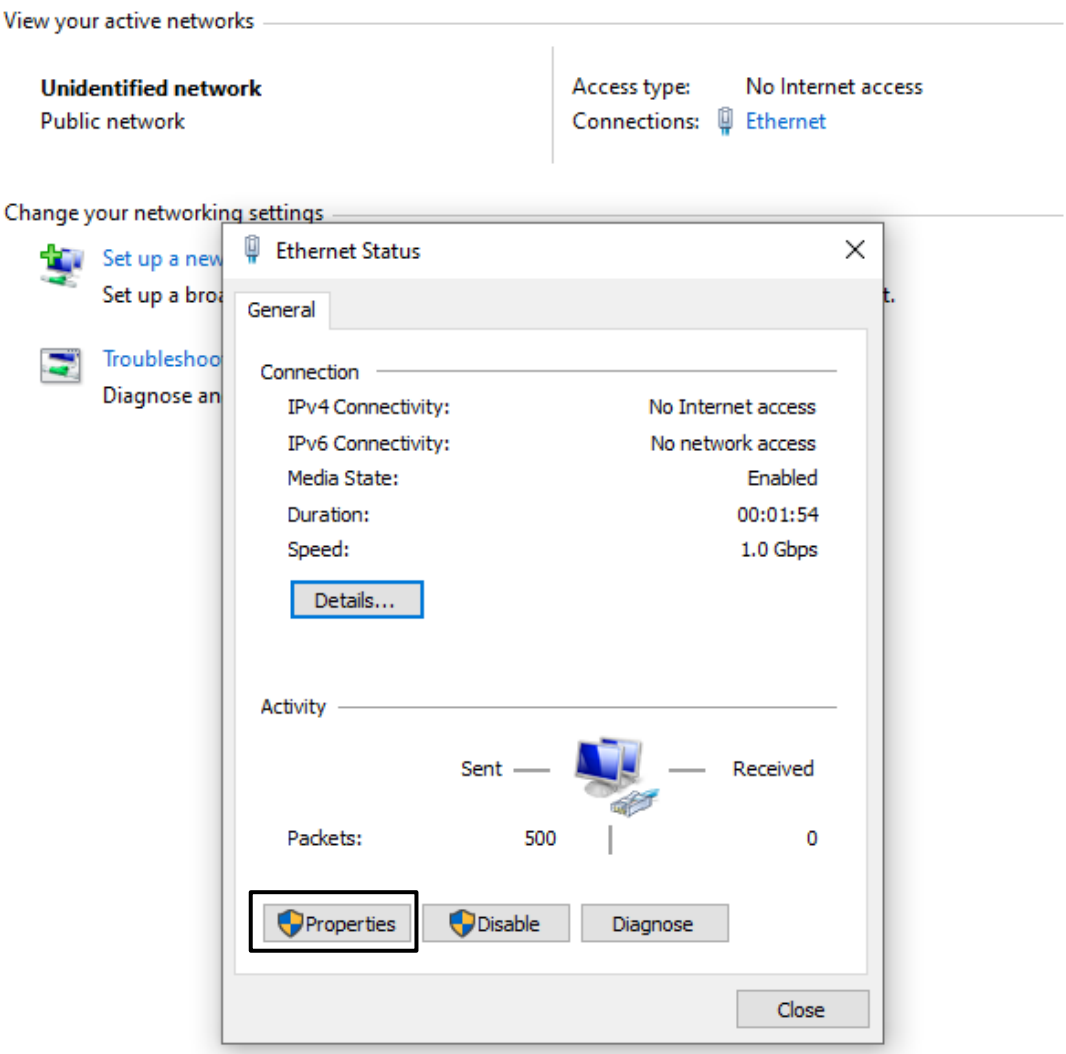


Click on the Ethernet



And now click on the properties



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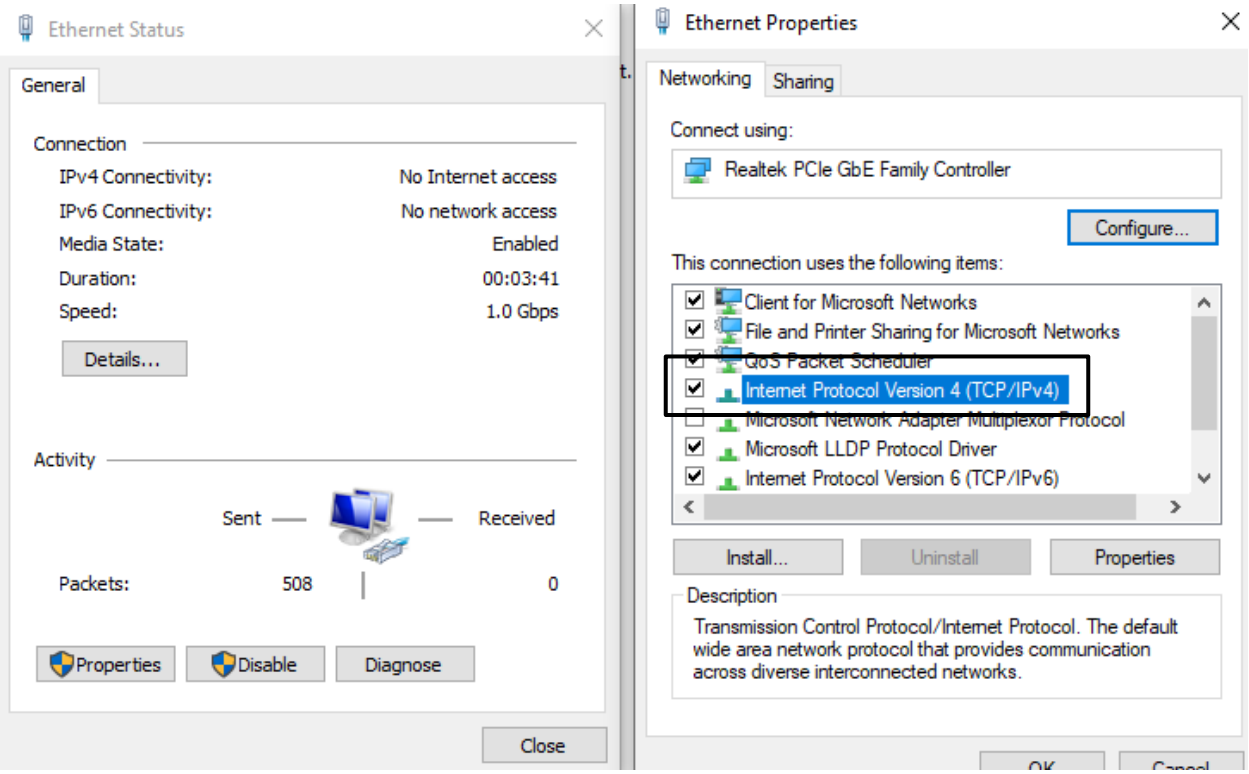
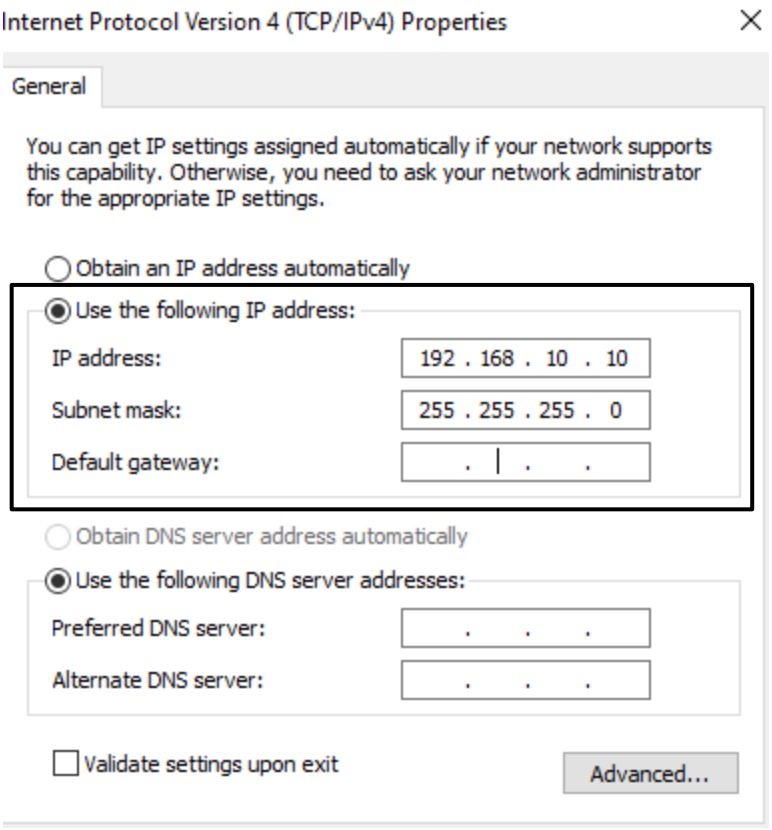
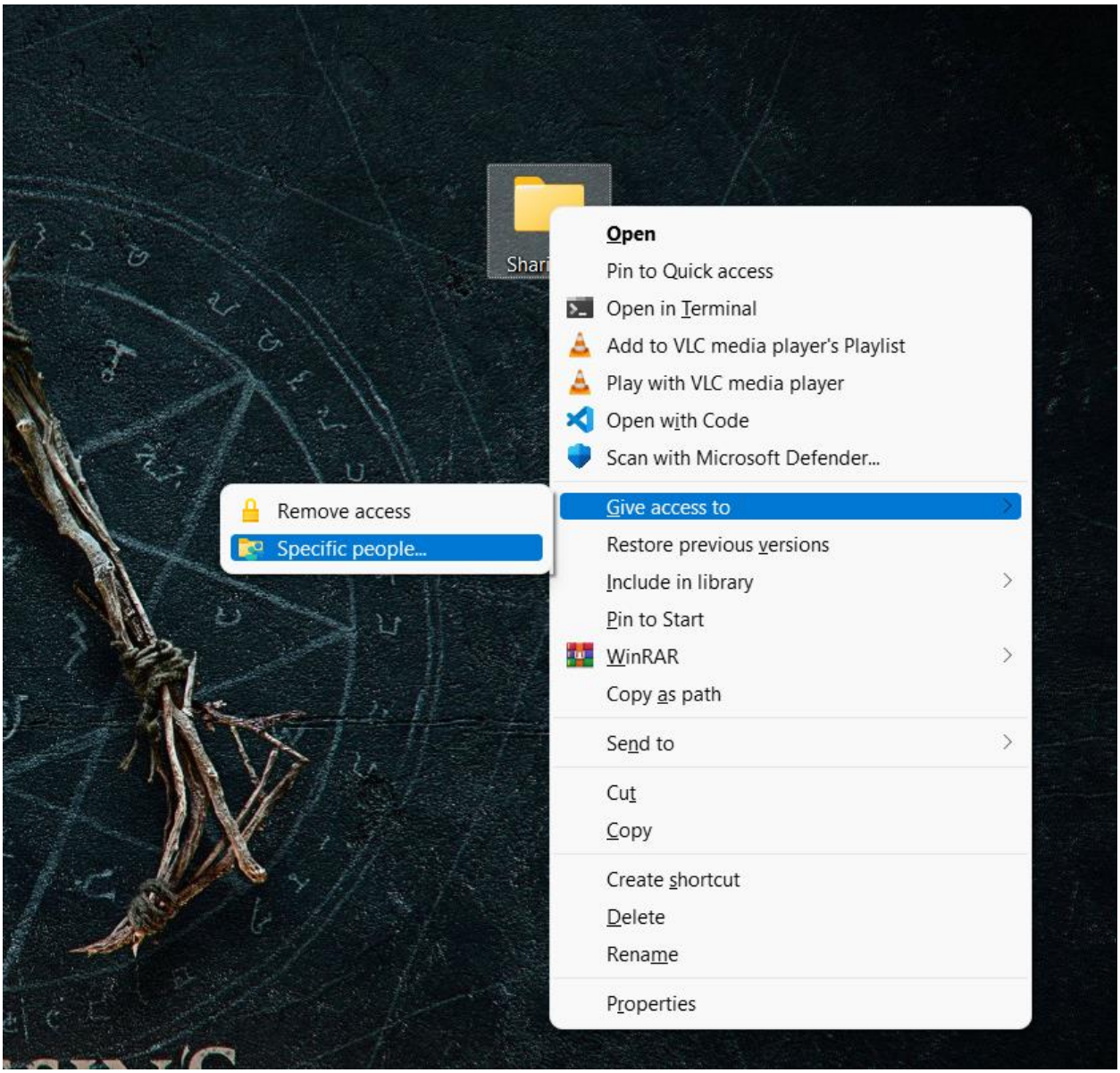


Now assign the static IP to the PC.

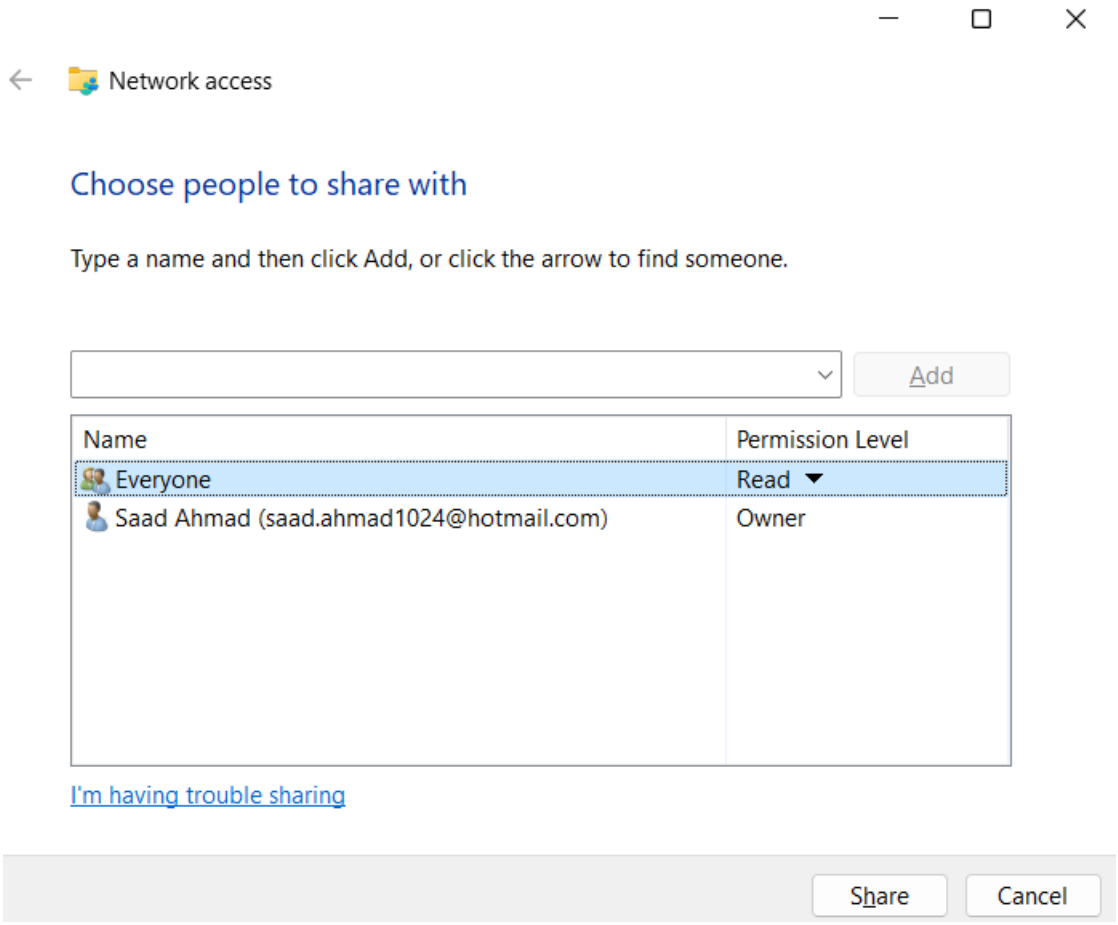


Sharing file between two laptops:

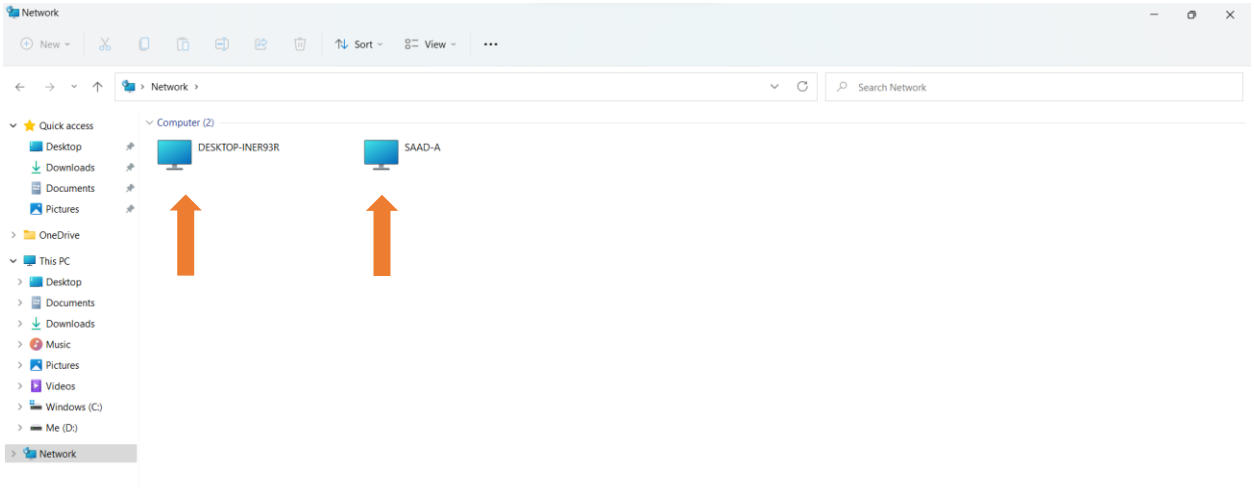
Create a folder and give access to it.



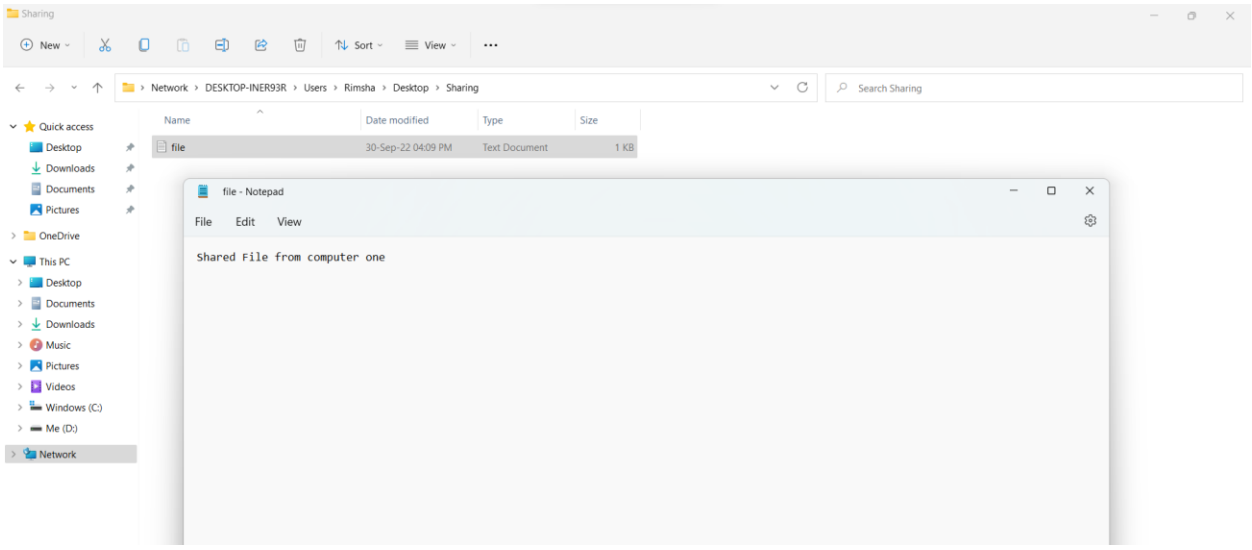
Now add the “Everyone” to the network access and click **share.**



Now go to the This PC and select Network and there you will see 2 PCs.



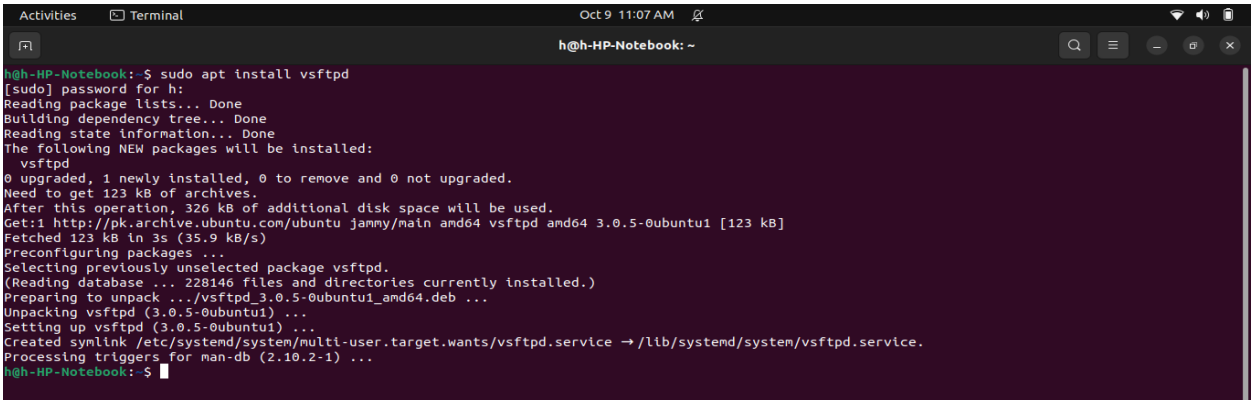
And now open the shared pc and you will see the folder which you had shared.



Sharing files in Linux:

To share the file first install vsftpd so for that run the following command:

```
sudo apt install vsftpd
```



Now we will configure the vsftpd sever:

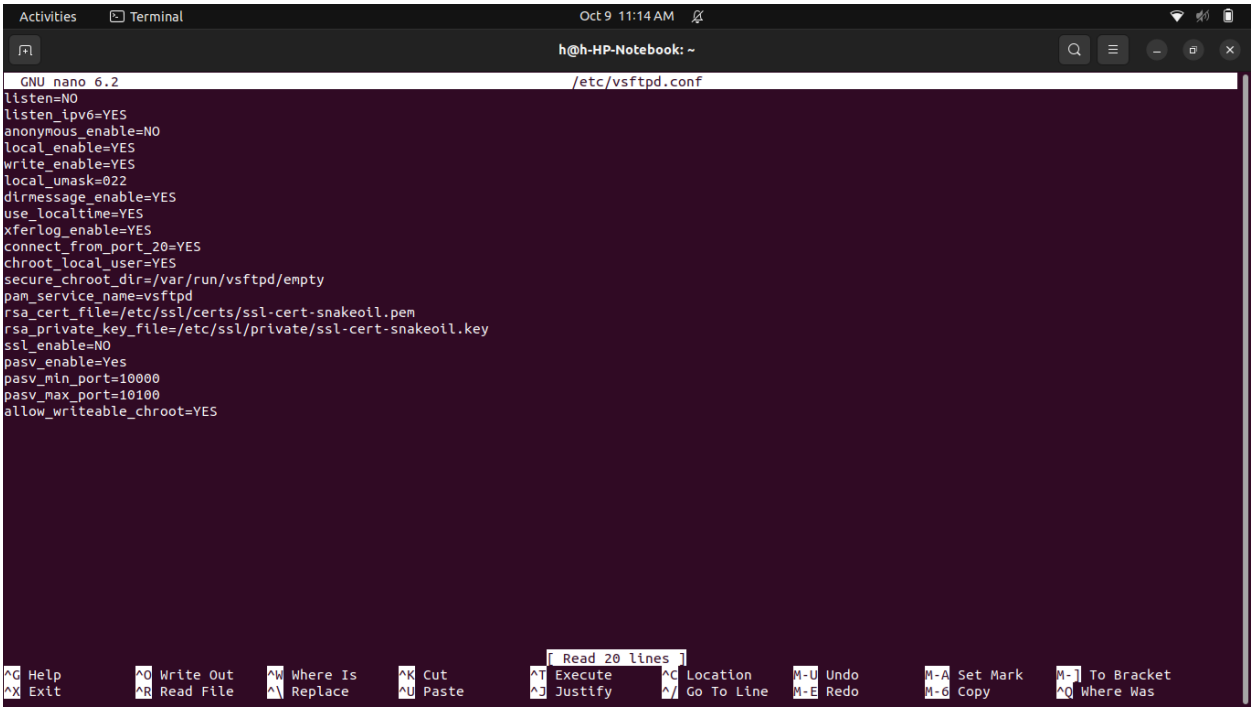
So, for that run the following command on the terminal

sudo mv /etc/vsftpd.conf /etc/vsftpd.conf_orig

sudo nano /etc/vsftpd.conf

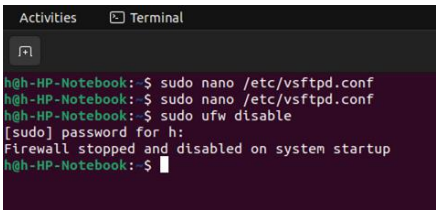
and now copy the following content in the file.

```
listen=NO
listen_ipv6=YES
anonymous_enable=NO
local_enable=YES
write_enable=YES
local_umask=022
dirmessage_enable=YES
use_localtime=YES
xferlog_enable=YES
connect_from_port_20=YES
chroot_local_user=YES
secure_chroot_dir=/var/run/vsftpd/empty
pam_service_name=vsftpd
rsa_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
rsa_private_key_file=/etc/ssl/private/ssl-cert-
snakeoil.key
ssl_enable=NO
pasv_enable=Yes
pasv_min_port=10000
pasv_max_port=10100
allow_writeable_chroot=YES
```

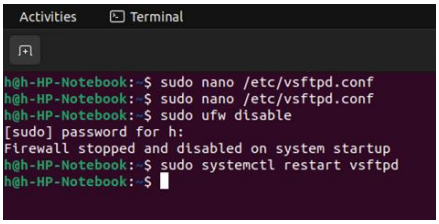


And save the file.

Now disable the firewall



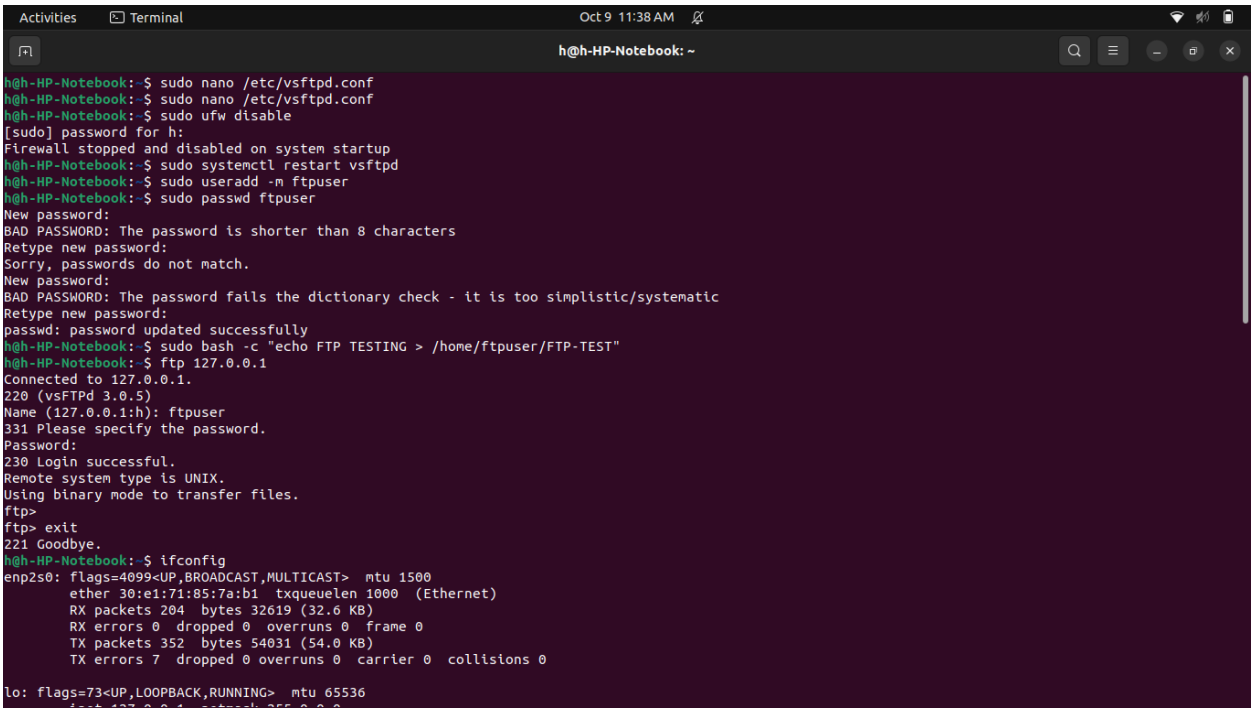
Restart the server



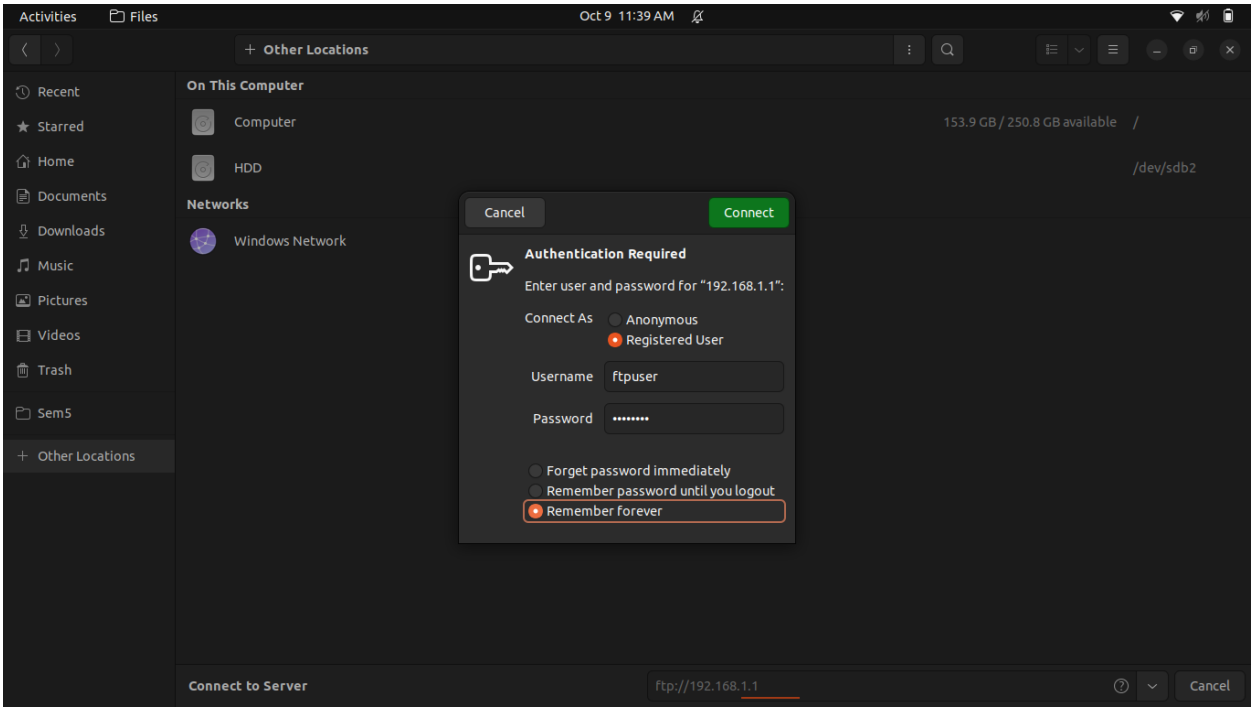
Create ftp user using following commands

```
sudo useradd -m ftpuser
sudo passwd ftpuser
```

I gave password 12345678



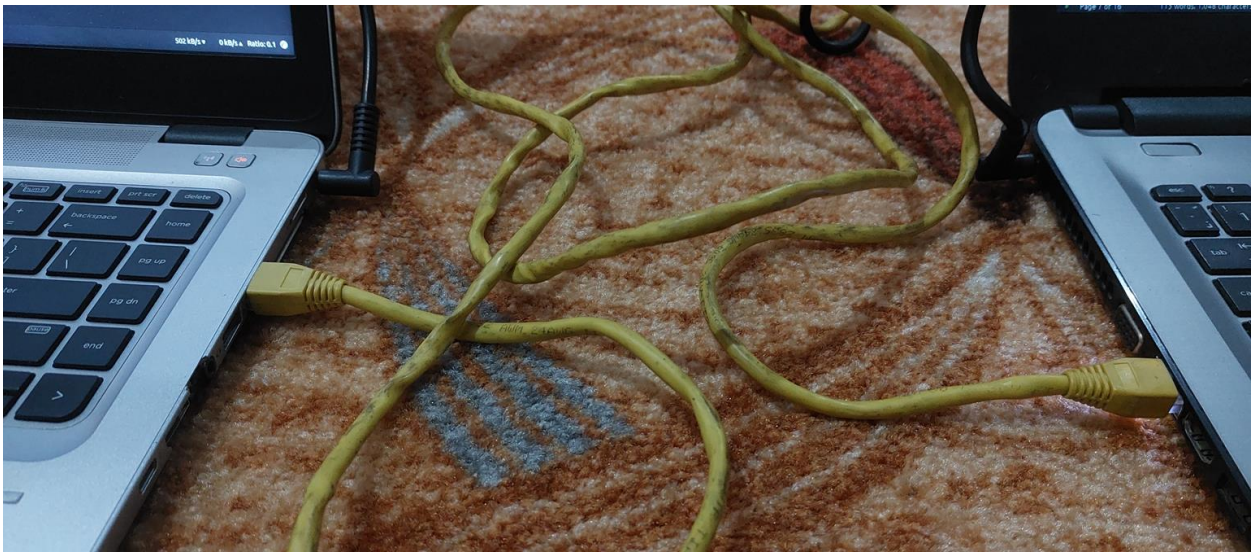
Now you can go to File explorer and Open Windows Network and click on Windows Network



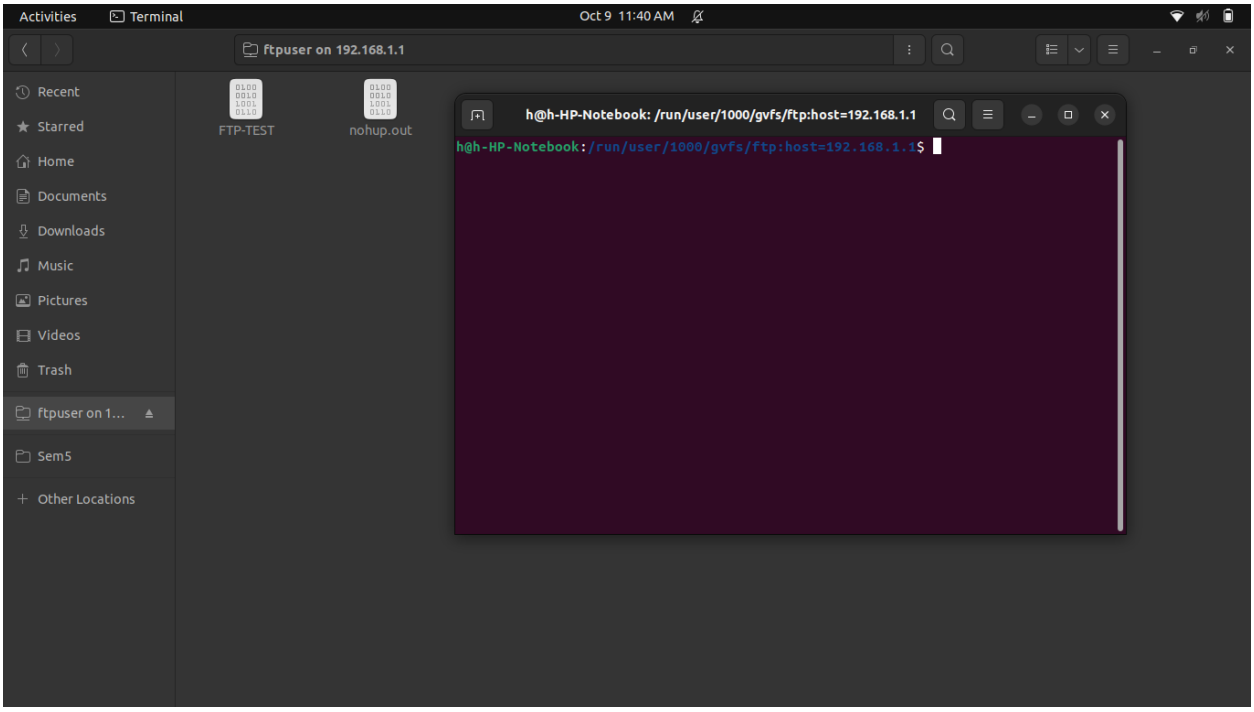
Password: 12345678

You can log in with 2nd system using same method as above.

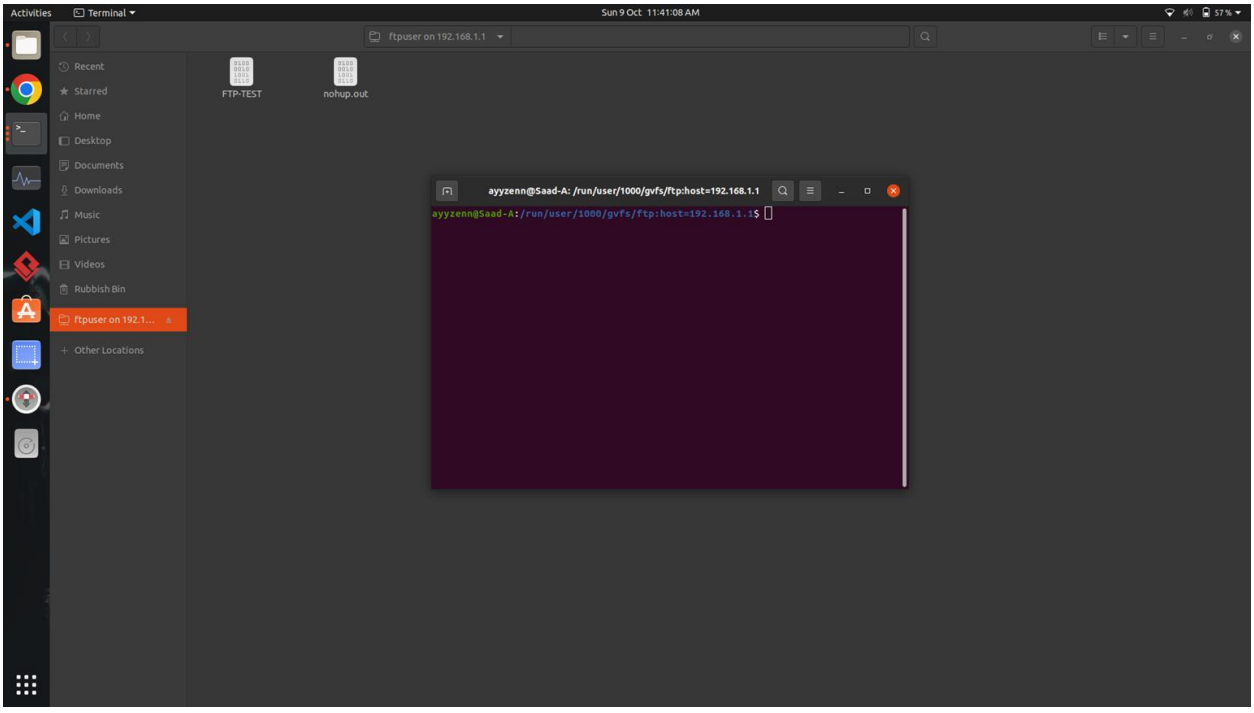
Connect two systems



Accessing the file from PC1

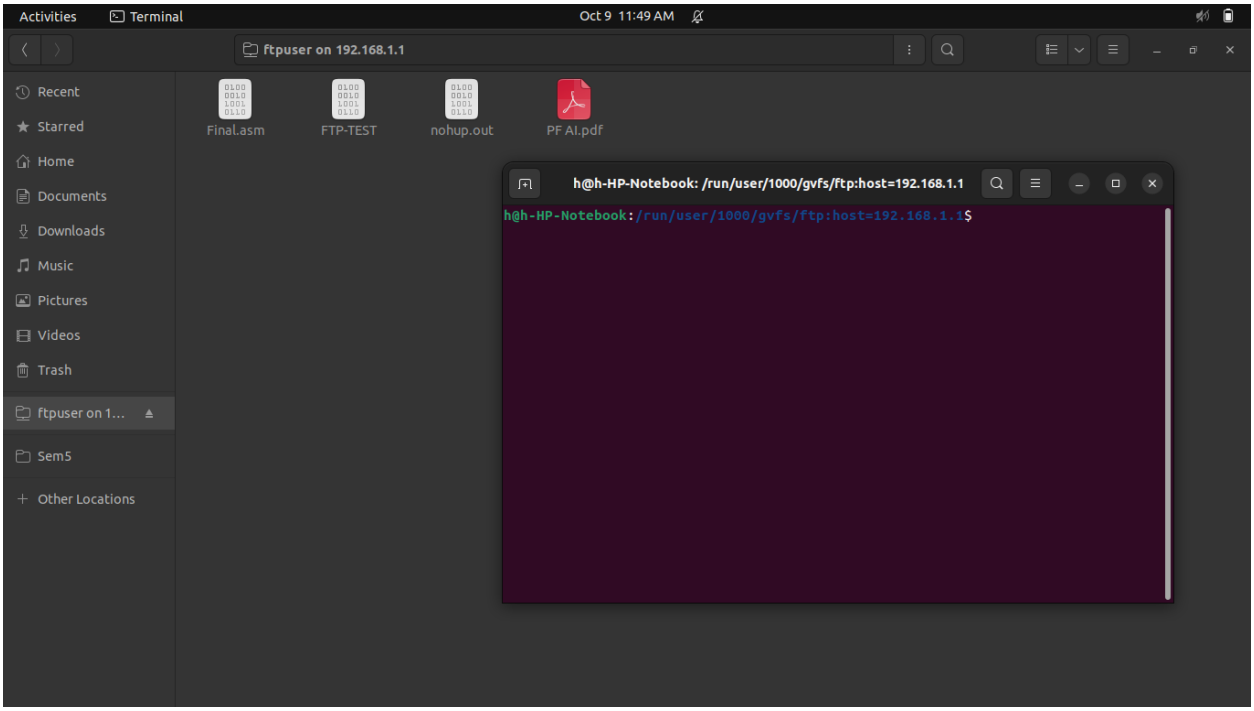


Accessing the file from PC2

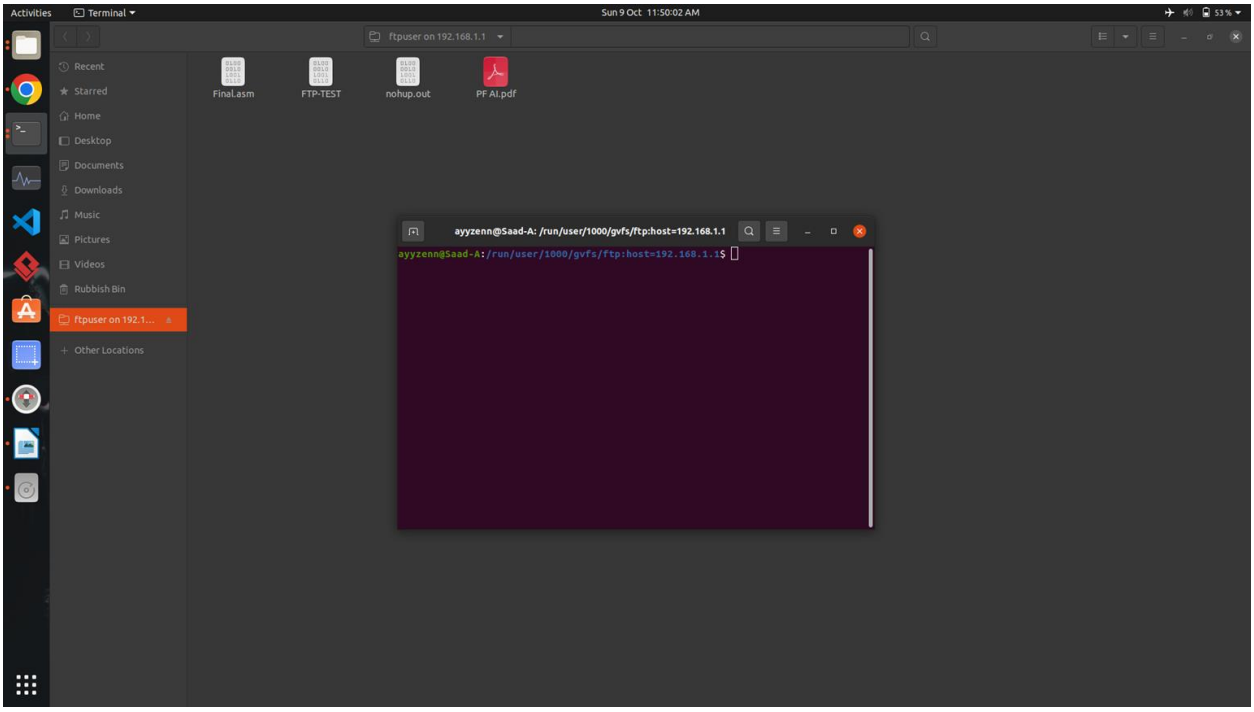


After adding some other files

PC 1



PC 2


Activities
Terminal
Sun 9 Oct 11:50:02 AM
ftpuser on 192.168.1.1
Recent
Starred
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Rubbish Bin
ftpuser on 192.1...
Other Locations
FinalAsm
FTP-TEST
nohup.out
PF AI.pdf
ayyzenn@Saad-A: /run/user/1000/gvfs/ftp:host=192.168.1.1
ayyzenn@Saad-A:/run/user/1000/gvfs/ftp:host=192.168.1.1$