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Roll no: 2021-BSE-032
Section : BSE (3A)

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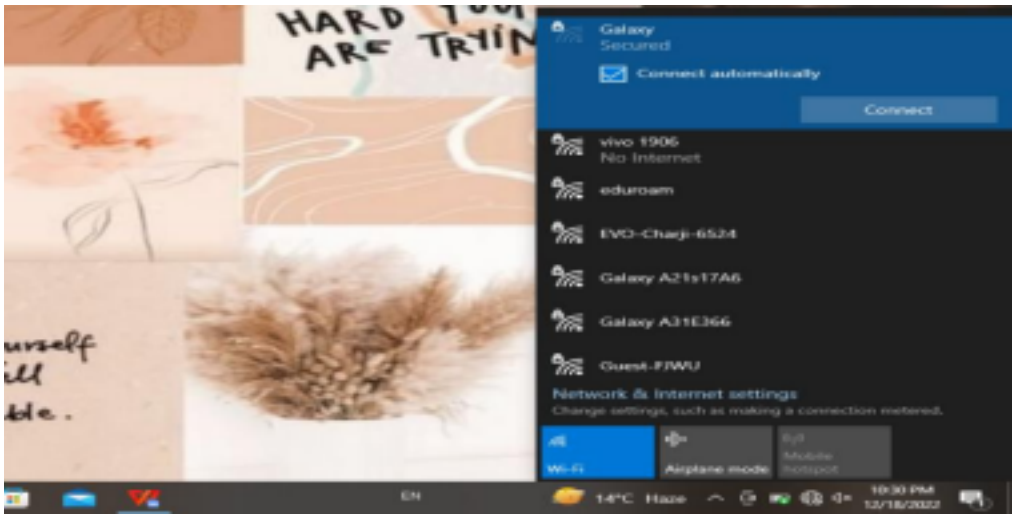
Project A

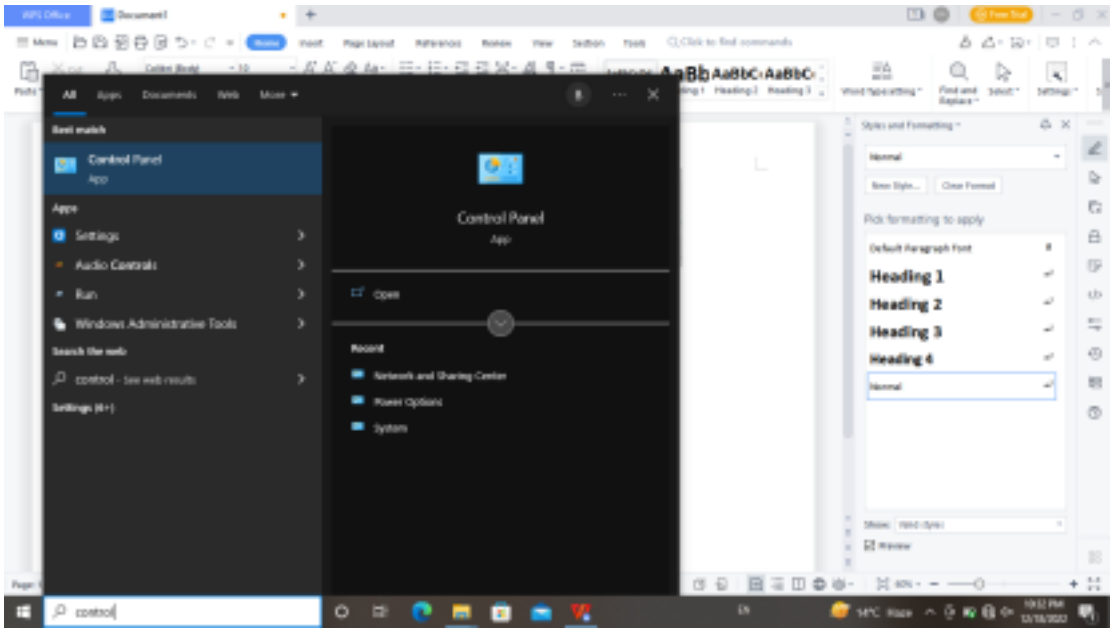
Data sharing on windows:

FOR PC 1:

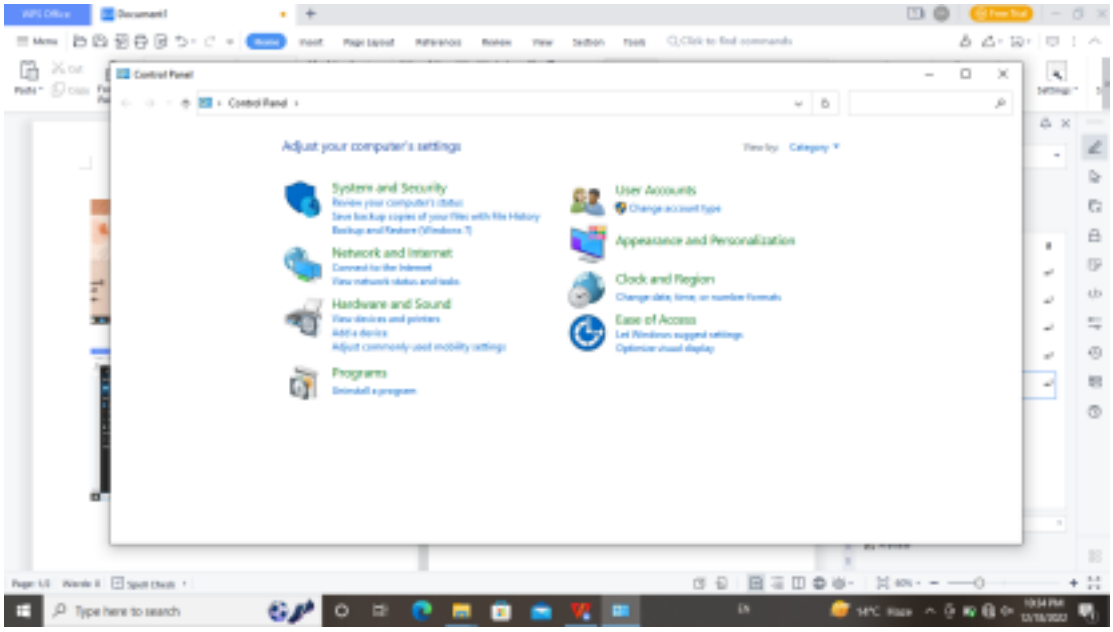
STEP 1: Both the PC's should be connected to internet or using hotspot.



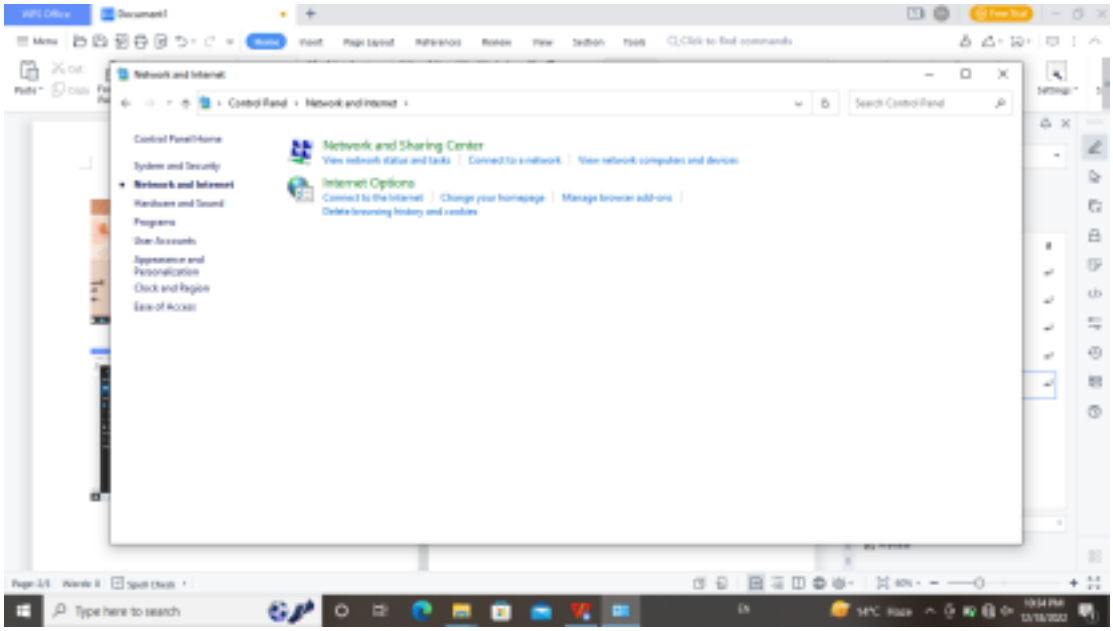
STEP 2: Open control panel .



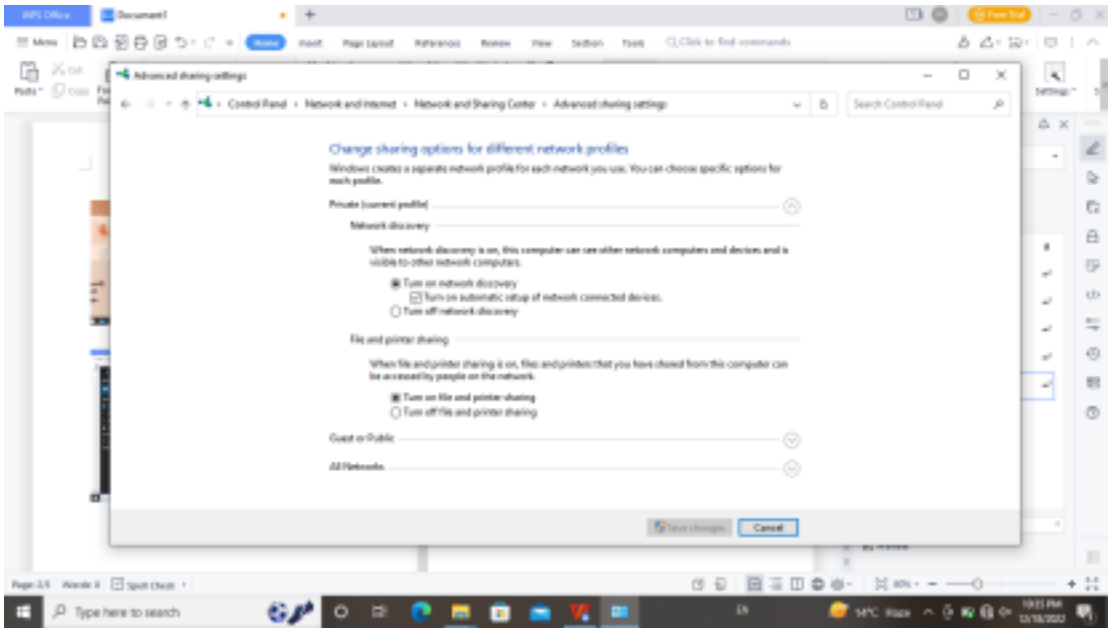
STEP 3: Click on Network and Internet.

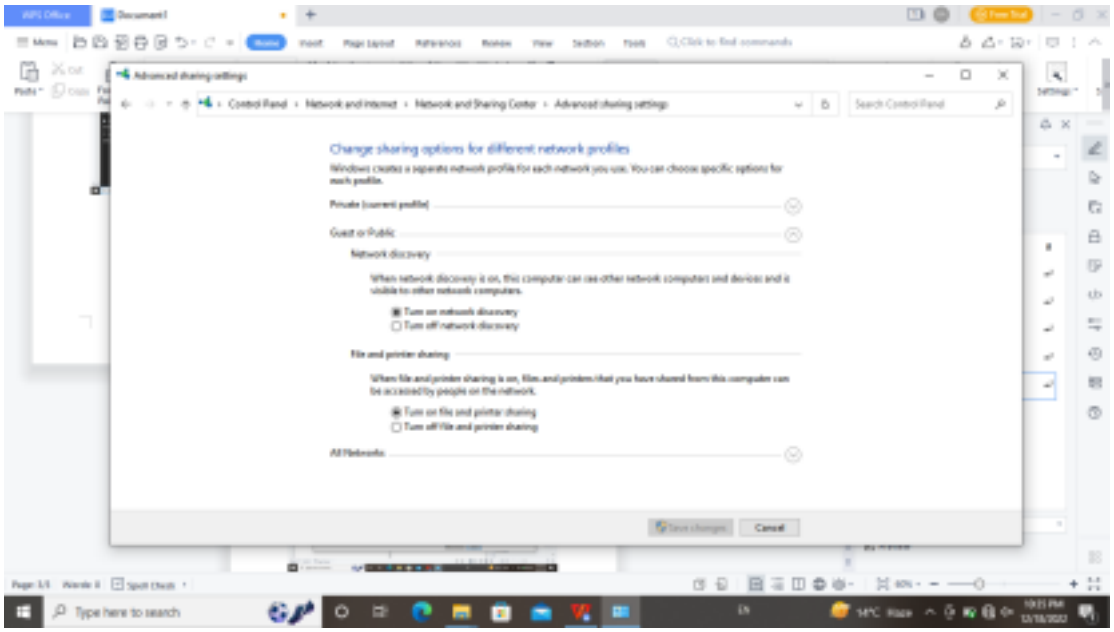


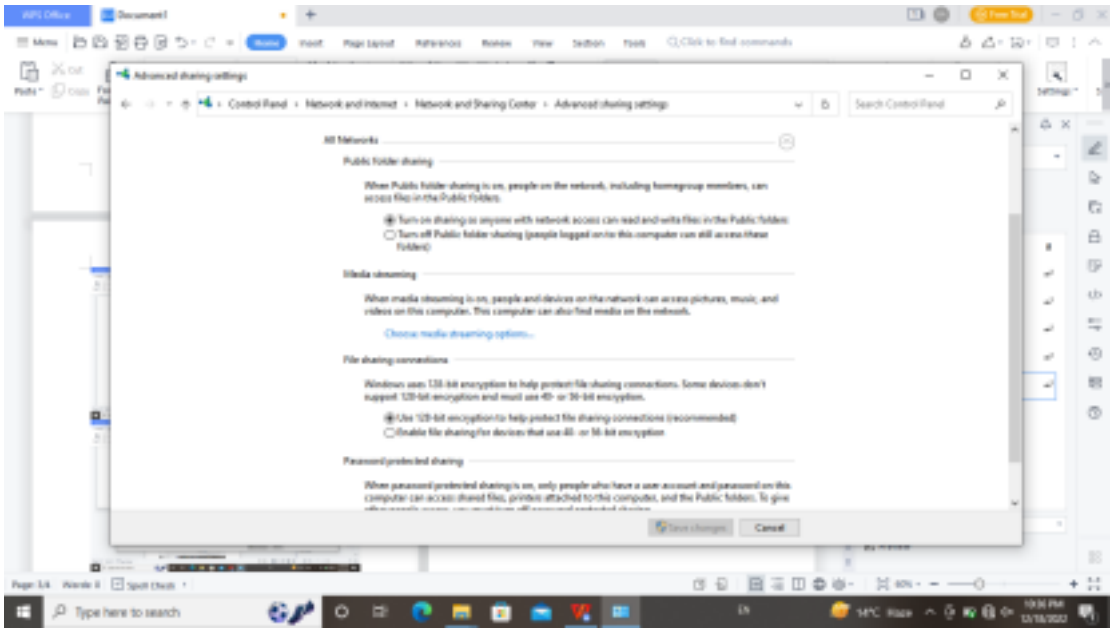
STEP 4: Now click on Network and Sharing Center.

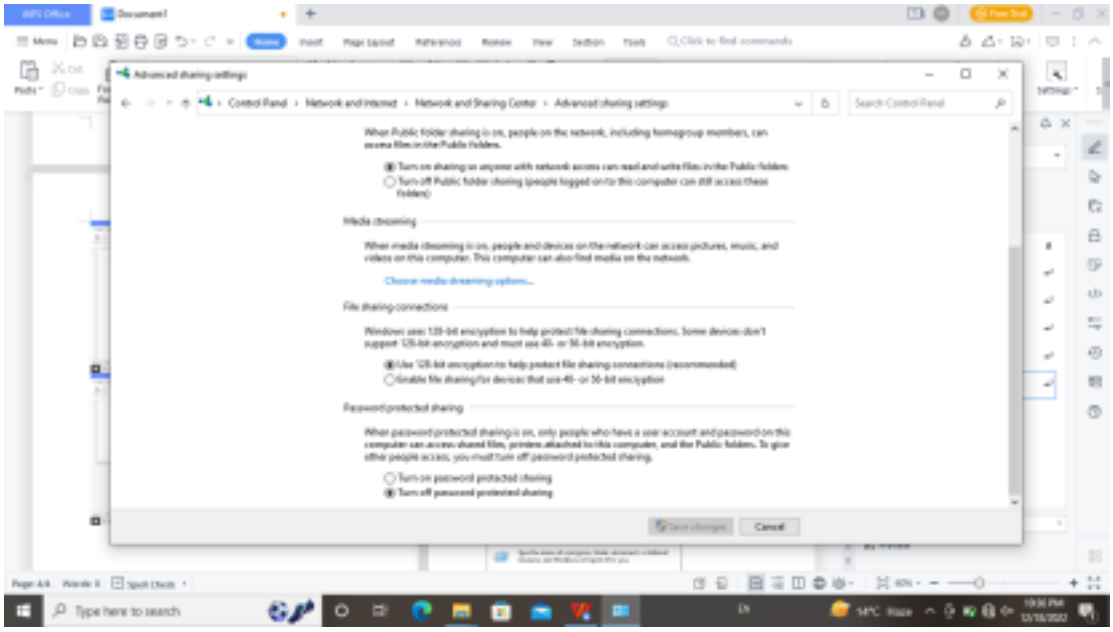


STEP 5: Now change sharing options according to network connection.

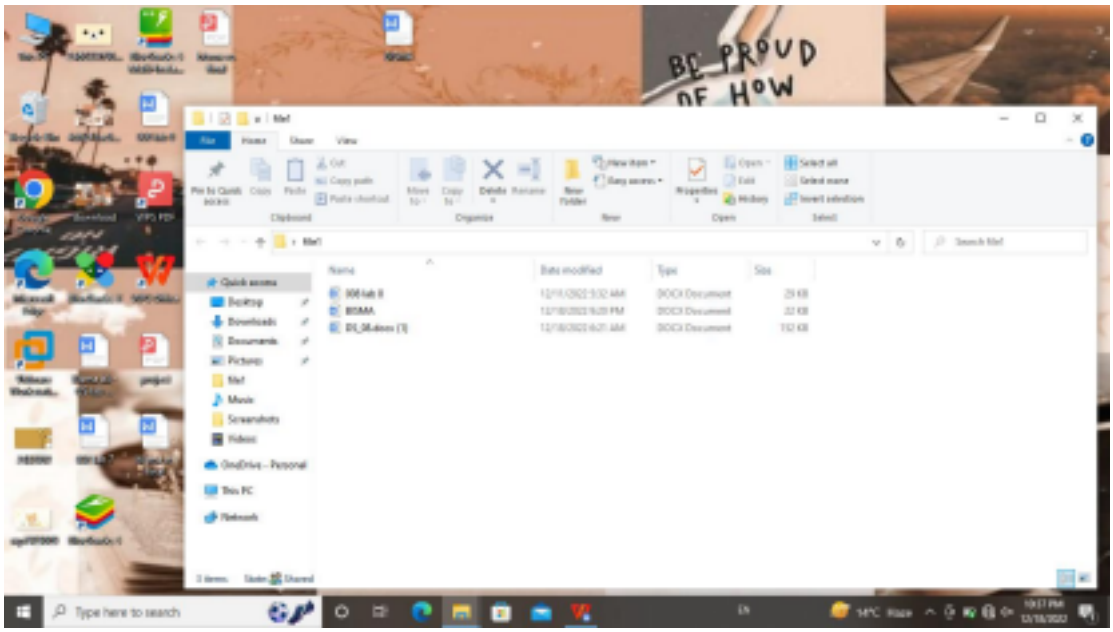

Change sharing options for different network profiles
Windows creates a separate network profile for each network you use. You can choose specific options for each profile.
Private (current profile)
Network discovery
When network discovery is on, this computer can see other network computers and devices and is visible to other network computers.
Turn on network discovery
Turn on automatic setup of network connected devices.
Turn off network discovery
File and printer sharing
When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.
Turn on file and printer sharing
Turn off file and printer sharing
Guest or Public
All Networks
Save changes
Cancel


Change sharing options for different network profiles
Windows creates a separate network profile for each network you use. You can choose specific options for each profile.
Private (current profile)
Guest or Public
Network discovery
When network discovery is on, this computer can see other network computers and devices and is visible to other network computers.
Turn on network discovery
Turn off network discovery
File and printer sharing
When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.
Turn on file and printer sharing
Turn off file and printer sharing
All Networks
Save changes
Cancel

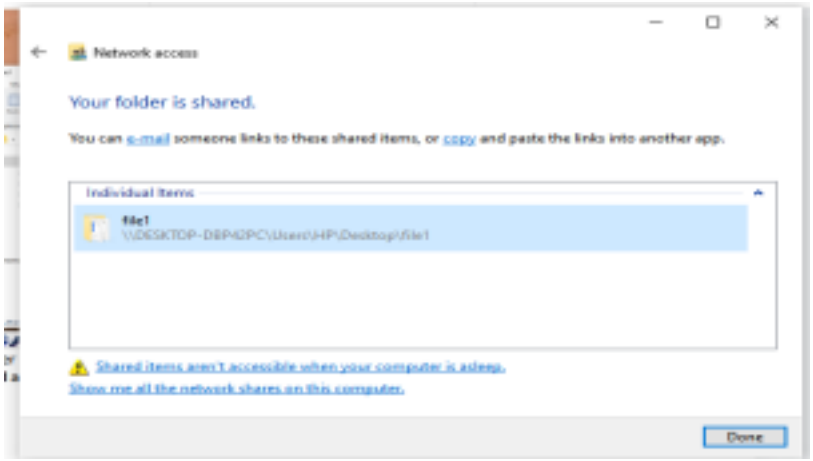




STEP 6: Create a folder and paste file in that folder that you want to share.



STEP 7: Right click on folder and click on give access to and in dialogue box select everyone (select read/write) then click add and click on share button.

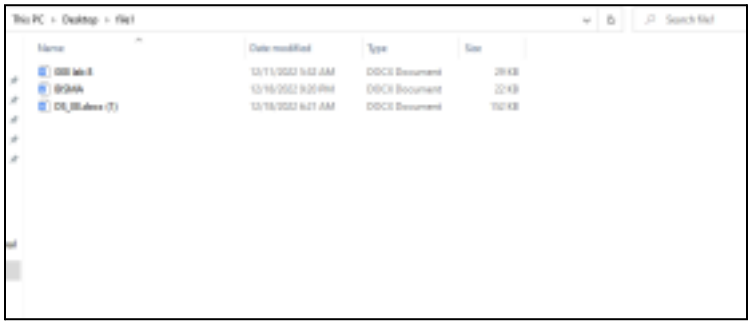


STEP 8: Use this address on 2nd PC to access the folder.

FOR PC 2:

Step 1: Click windows icon and **r/R** and open command prompt and run the given address of PC 1 on PC 2.

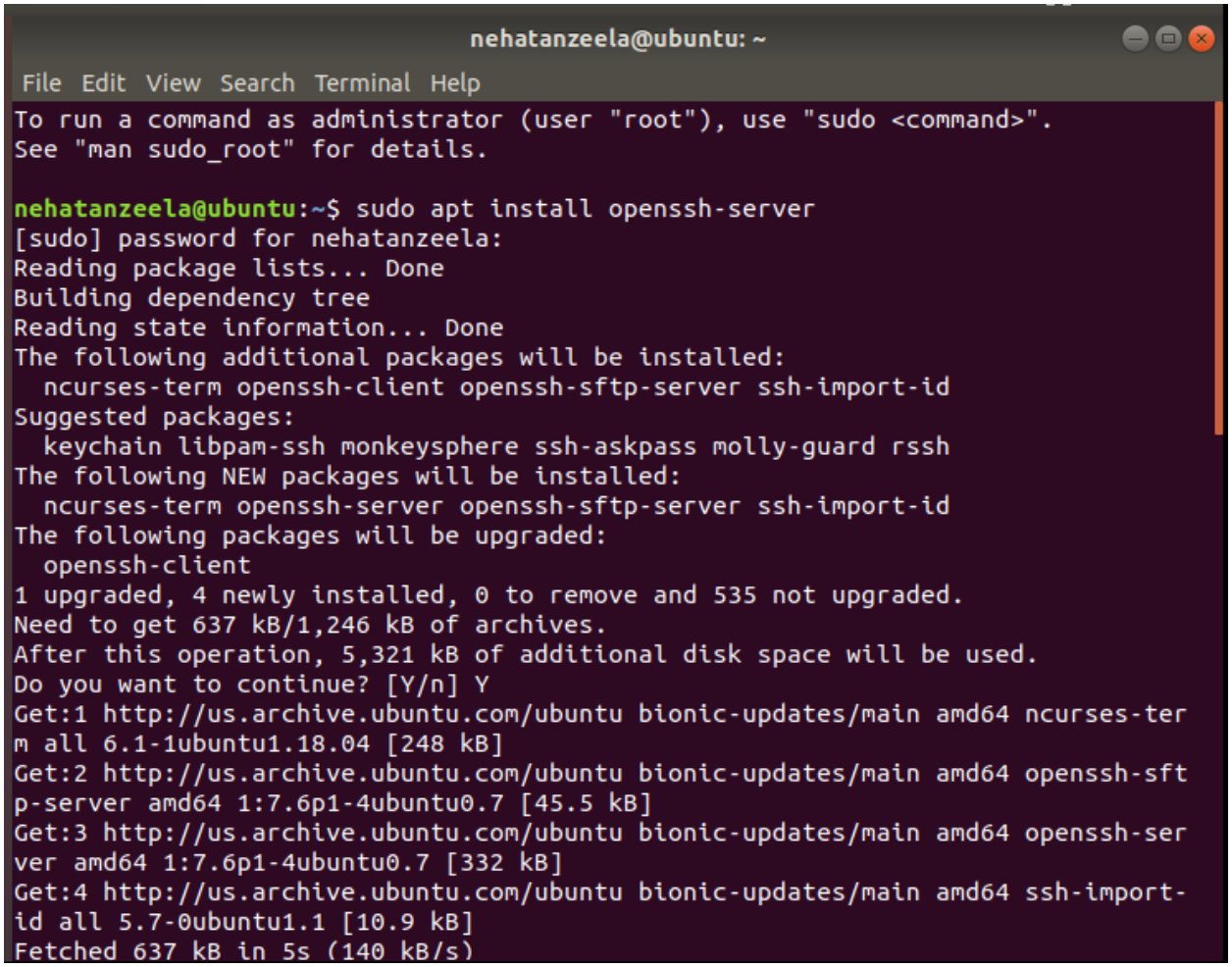
STEP 2: Now we can see all the files in the folder on PC 2.



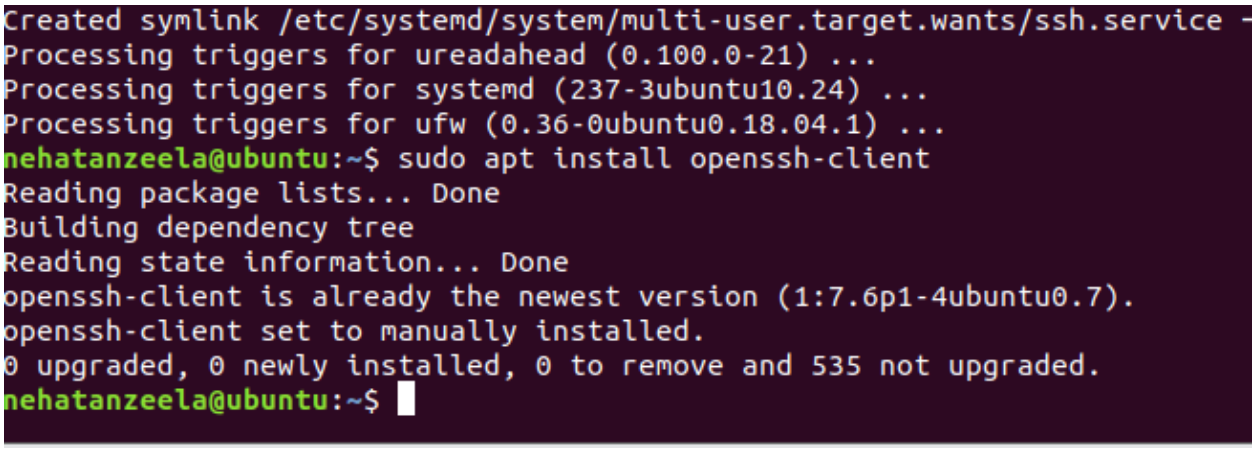
Data sharing on Virtual Machine:

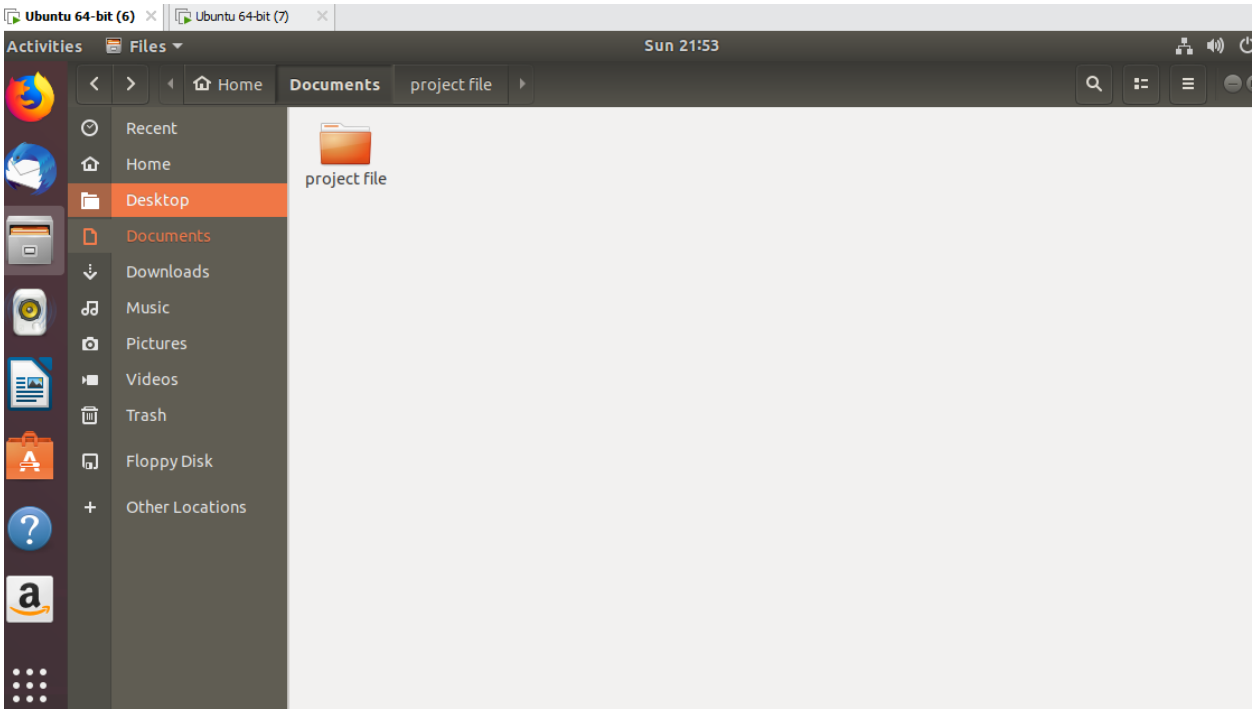
UBUNTU 1:

STEP 1: Run command "sudo apt install openssh-server".



STEP 2: Run command ”sudo apt install openssh-client”.




Ubuntu 64-bit (6)
Ubuntu 64-bit (7)
Activities
Files
Sun 21:53
Home
Documents
project file
Recent
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Trash
Floppy Disk
Other Locations
project file

2nd UBUNTU:

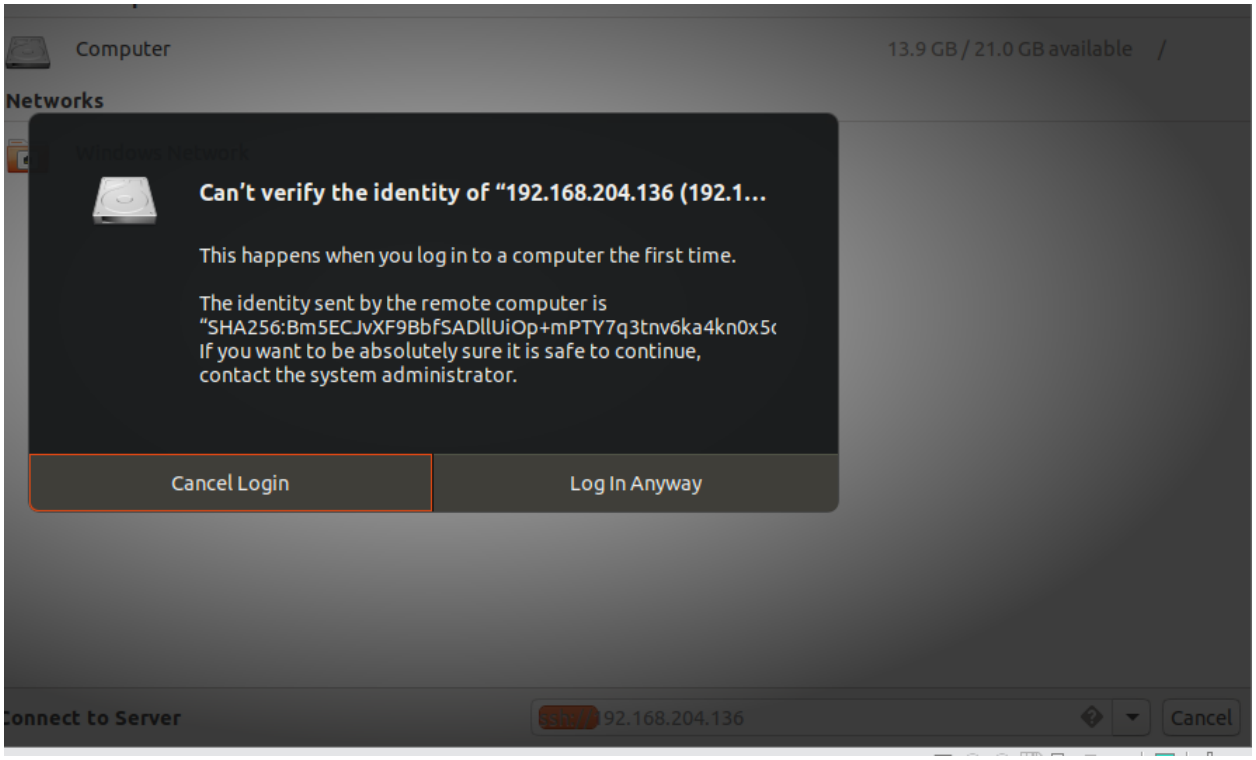
```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

laiba@ubuntu:~$ sudo apt install openssh-server
[sudo] password for laiba:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ncurses-term openssh-client openssh-sftp-server ssh-import-id
Suggested packages:
  keychain libpam-ssh monkeysphere ssh-askpass molly-guard rssh
The following NEW packages will be installed:
  ncurses-term openssh-server openssh-sftp-server ssh-import-id
The following packages will be upgraded:
  openssh-client
1 upgraded, 4 newly installed, 0 to remove and 535 not upgraded.
Need to get 637 kB/1,246 kB of archives.
After this operation, 5,321 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ncurses-ter
 all 6.1-1ubuntu1.18.04 [248 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu bionic-updates/main amd64 openssh-sft
-server amd64 1:7.6p1-4ubuntu0.7 [45.5 kB]
```

STEP 2: Run command “sudo apt install openssh-client”.

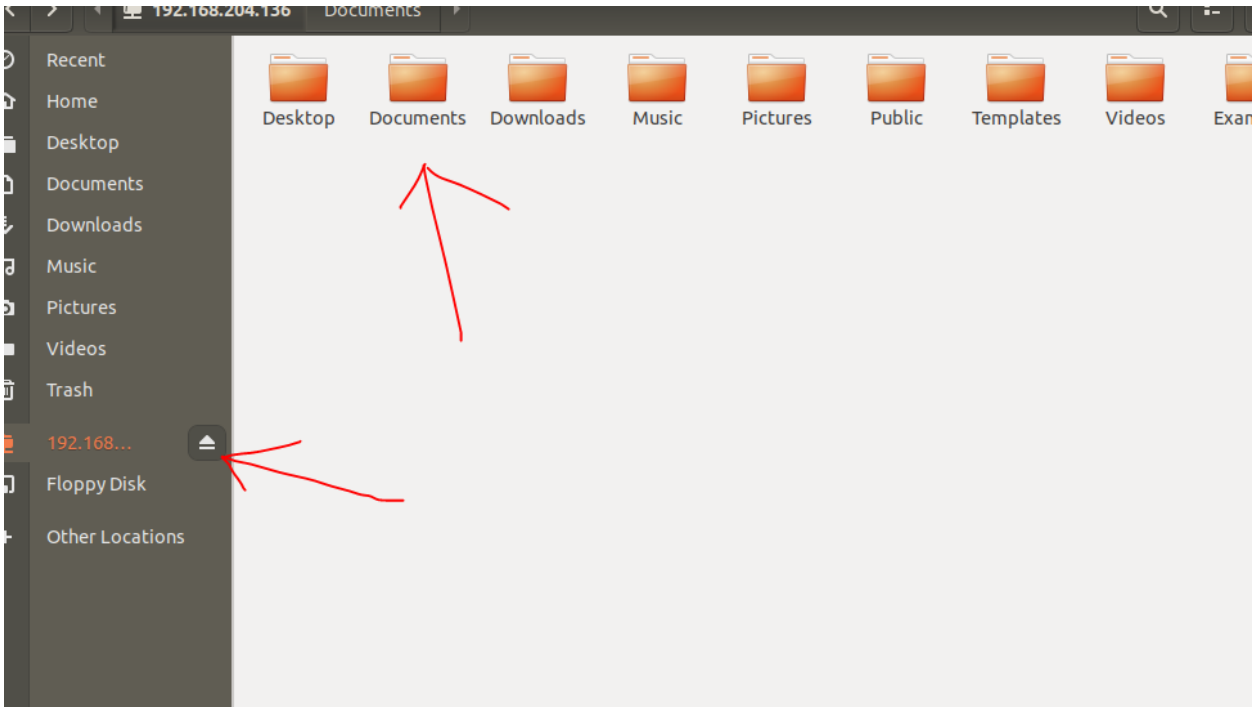
```
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
laiba@ubuntu:~$ sudo apt install openssh-client
Reading package lists... Done
Building dependency tree
Reading state information... Done
openssh-client is already the newest version (1:7.6p1-4ubuntu0.7).
openssh-client set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 535 not upgraded.
laiba@ubuntu:~$
```

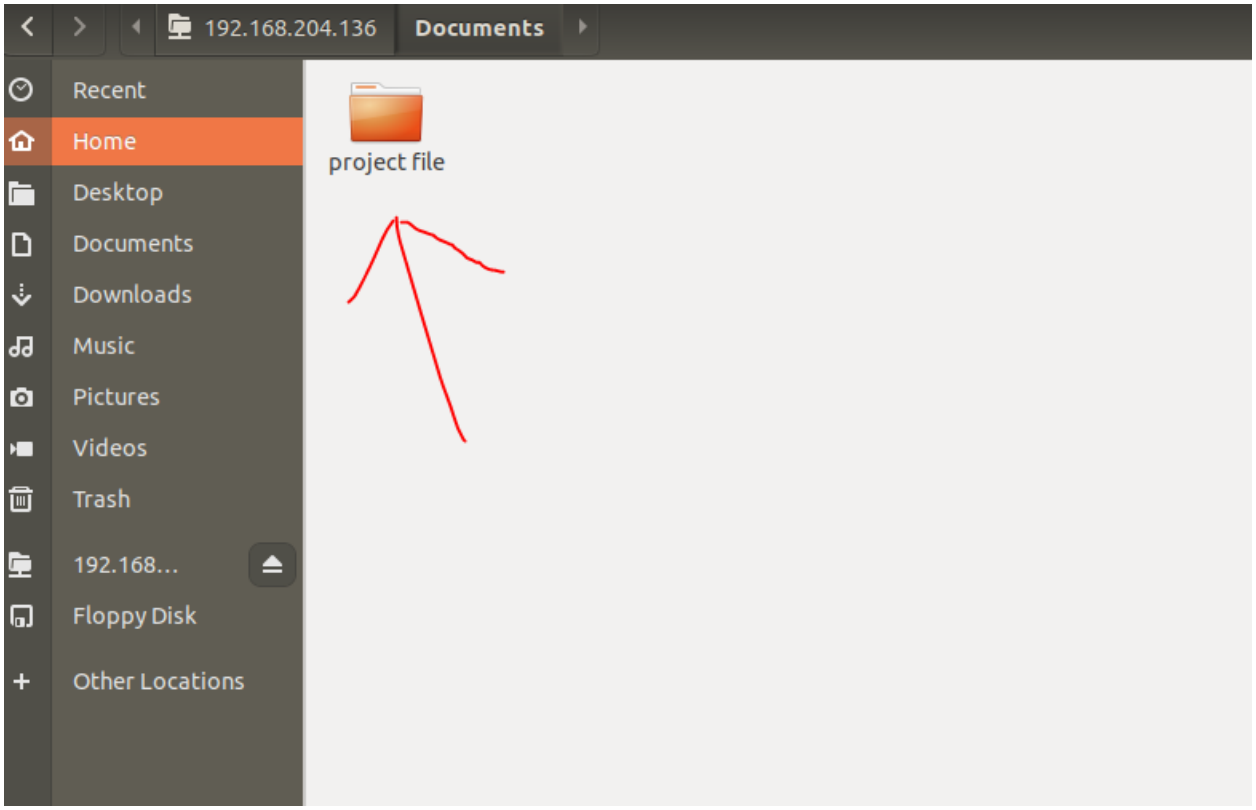
STEP 3: Put IP address of Ubuntu 1 in Ubuntu 2 and press “Log in Anyway”.



STEP 4:

File will be shown in Ubuntu 2 as below.




192.168.204.136
Documents
Recent
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Trash
192.168...
Floppy Disk
Other Locations
project file