Group Members:

1. Jawad Ahmed (20P-0165)
2. Farhan Abbasi (20P-0044)
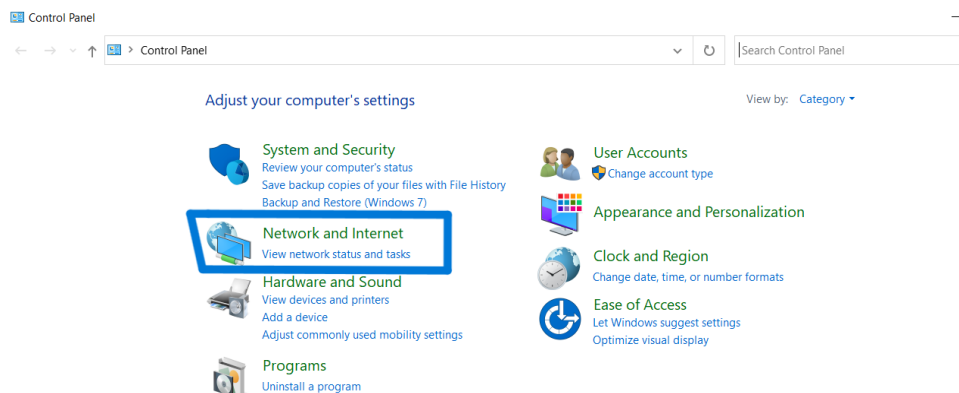
LAB TASK 05: Sharing Files between two computers Via LAN Cable.

In this task we are going to share the files between two computers using the LAN cable. The procedure for this really simple.
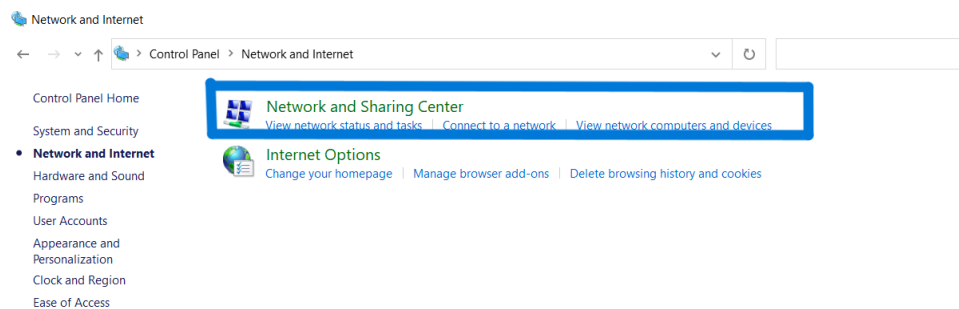
Step1: Connect Both PC's with LAN Cable

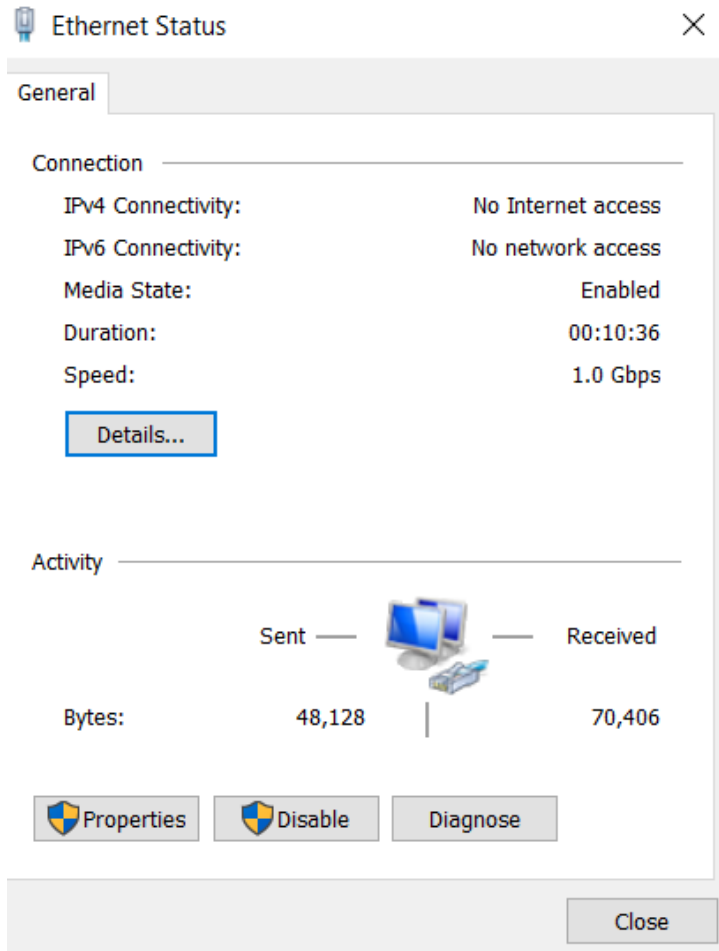**Step2: Enable Network Sharing on Both PCs**

Go to Control Panel -> Then select Network and Internet operation from their.

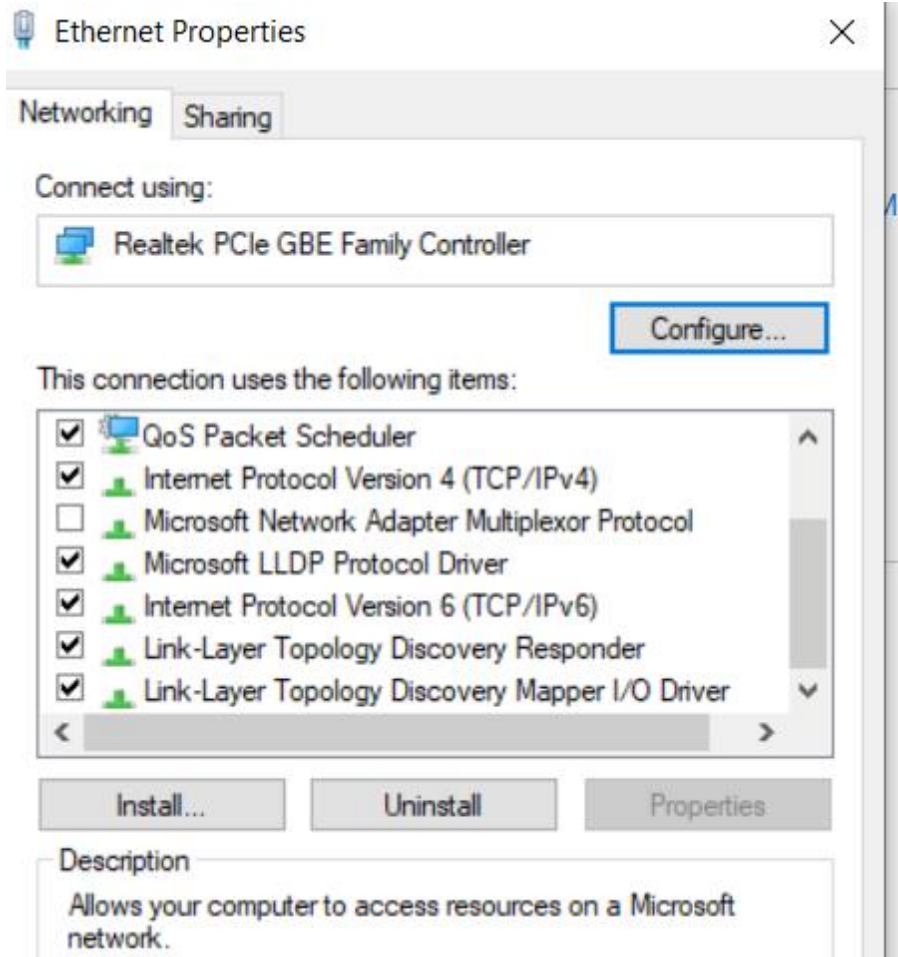Then select **Network and Sharing Center.**
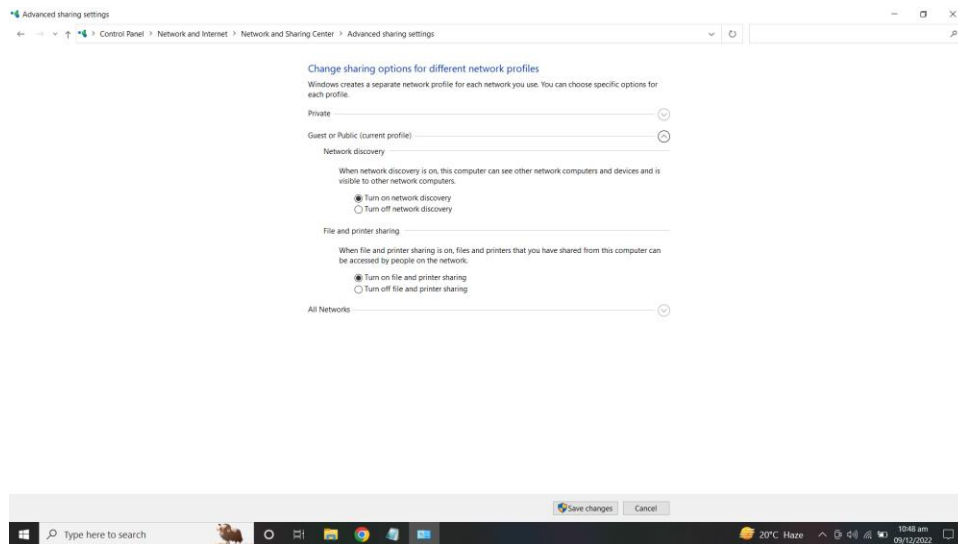

Then select **Ethernet** the pop up window will open.

Then select on properties. New window will open Check the '**Internet Protocol Version 4 (TCP/IPv4)**'option the list.

After doing all these steps then select the option '**Advance Sharing setting'.** In that check the following option so that you are able to transfer files between two computers.
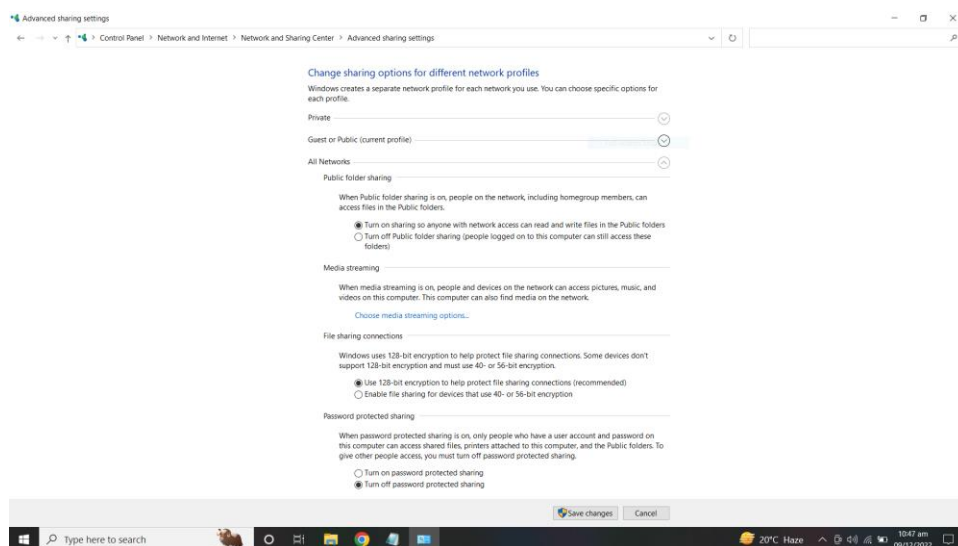
We are assuming that your friend is also doing same steps on his PC.

Now Assign IP addresses to both PC's.

Here, you need to configure the two PCs with different IP settings.

On computer 1, select the option "Use the following IP address." and, put the following

values: IP Address: 192.168.10.10

Subnet mask: 225.225.225.0

Default gateway: empty

 You can use any Class A or B IPaddress. In case you are not sure what this all means, better stick with this example.

On the second computer, do similar steps, but flip the IP address and Default gateway

values: IP address: 192.168.10.5

Subnet mask: 225.225.225.0

Default gateway: empty

Final Step:

Now all the steps are done. Open the My Computer -> Network.

You will see your friend PC their. Now you are able to transfer files from your computer to your friend computer. We are showing a demo that how would you transfer the files.
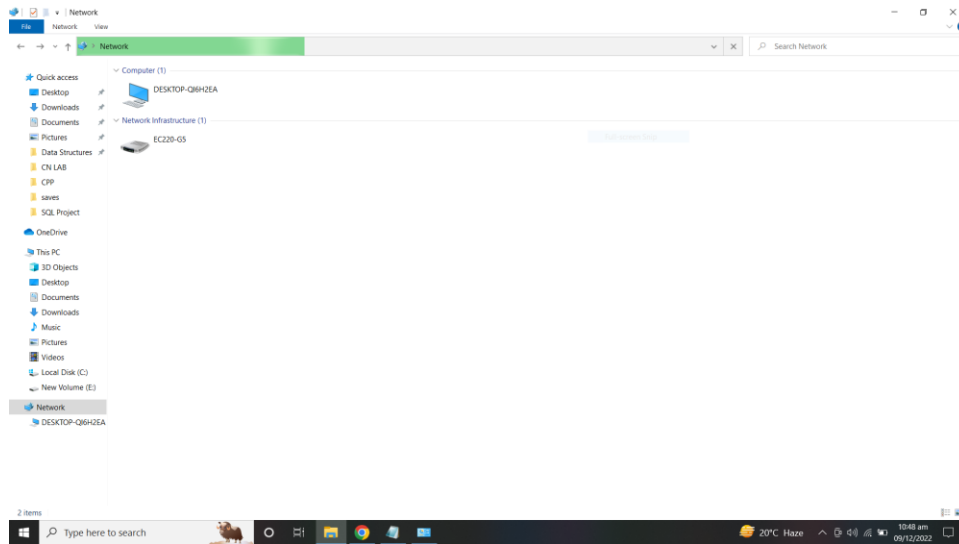
The folder you are sharing you have to give access of that foler to everyone so that you are able to share that folder.

Giving the access is really simple follow these two pictures to give access.

Once that done now go to your friend PC you will be able to see the folder that you shared. I have shared the folder name **Dataset.**

Here is the confirmation screen shots.
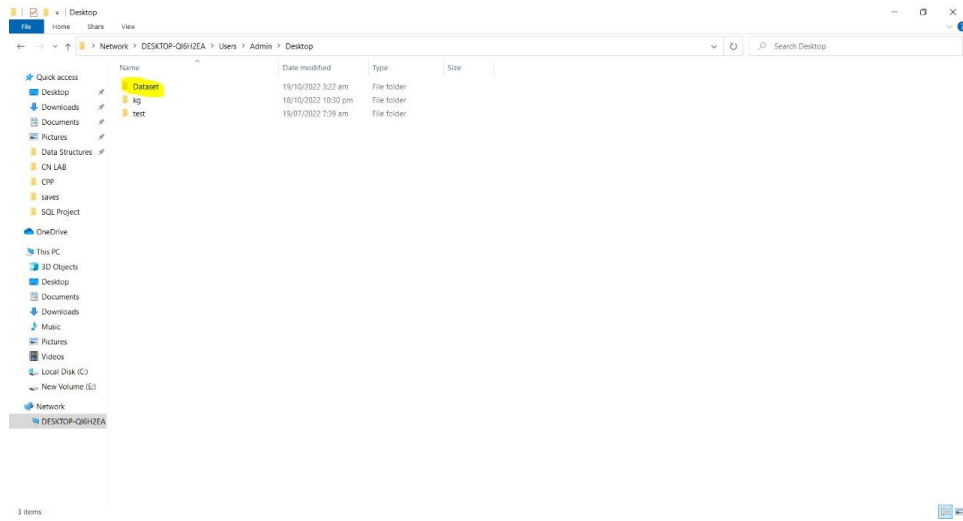
Second Computer Configuration Screenshots:

Control Panel — □

← → ↑ 🖥 > Control Panel   ∨ ↻ | Search Control Panel

Adjust your computer's settings   View by: Category ▾
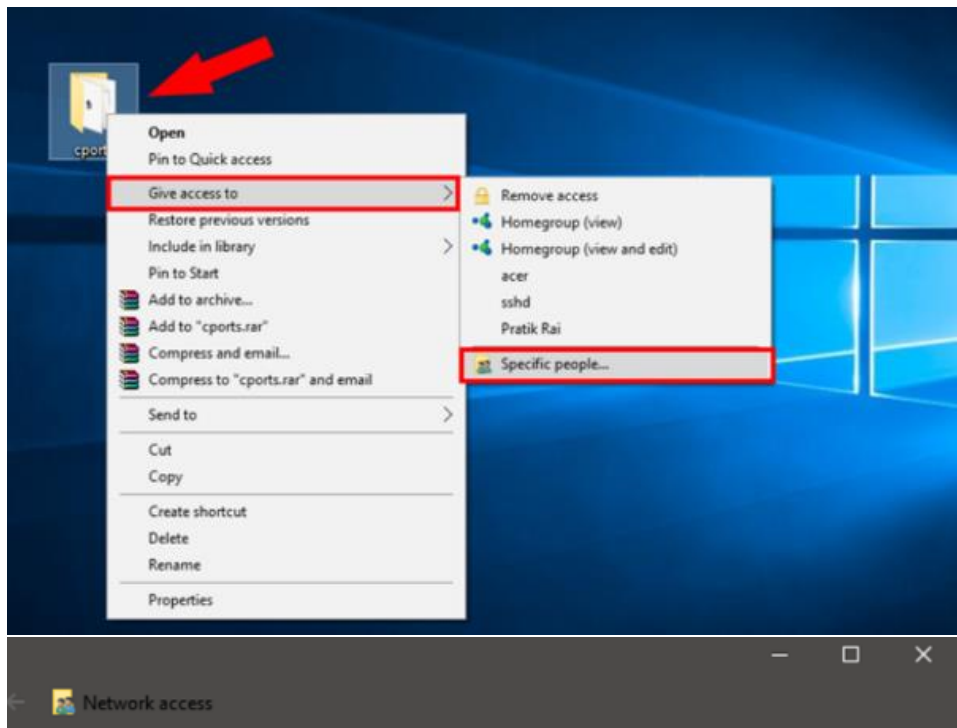
🛡 **System and Security**
Review your computer's status
Save backup copies of your files with File History
Backup and Restore (Windows 7)

👥 **User Accounts**
🛡 Change account type

🖧 **Network and Internet**
View network status and tasks

🖼 **Appearance and Personalization**

🖨 **Hardware and Sound**
View devices and printers
Add a device
Adjust commonly used mobility settings

🕰 **Clock and Region**
Change date, time, or number formats

🕘 **Ease of Access**
Let Windows suggest settings
Optimize visual display

📀 **Programs**
Uninstall a program

🔌 **Ethernet Status**   ✕

General

Connection

IPv4 Connectivity:	No Internet access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	00:10:36
Speed:	1.0 Gbps

Details...

Activity

Sent — 💻 — Received

Bytes: 48,128 | 70,406

🛡 **Properties**   🛡 **Disable**   **Diagnose**

Close

Ethernet Properties ✕

Networking | Sharing

Connect using:

🖥 Realtek PCIe GBE Family Controller

[Configure...]

This connection uses the following items:

- ☑ 🖥 QoS Packet Scheduler
- ☑ ⬛ Internet Protocol Version 4 (TCP/IPv4)
- ☐ ⬛ Microsoft Network Adapter Multiplexor Protocol
- ☑ ⬛ Microsoft LLDP Protocol Driver
- ☑ ⬛ Internet Protocol Version 6 (TCP/IPv6)
- ☑ ⬛ Link-Layer Topology Discovery Responder
- ☑ ⬛ Link-Layer Topology Discovery Mapper I/O Driver

[Install...] [Uninstall] [Properties]

Description

Allows your computer to access resources on a Microsoft network.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically

● Use the following IP address:

IP address:	192 . 168 . 1 . 1
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 1 . 2

○ Obtain DNS server address automatically

● Use the following DNS server addresses:

Preferred DNS server:	8 . 8 . 8 . 8
Alternate DNS server:	. . .

☐ Validate settings upon exit

Advanced sharing settings

← → ↑ Control Panel > Network and Internet > Network and Sharing Center > Advanced sharing settings

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 ⌄

Guest or Public (current profile) ⌄

All Networks ⌃

Public folder sharing

When Public folder sharing is on, people on the network, including homegroup members, can access files in the Public folders.

● Turn on sharing so anyone with network access can read and write files in the Public folders
○ Turn off Public folder sharing (people logged on to this computer can still access these folders)

Media streaming

When media streaming is on, people and devices on the network can access pictures, music, and videos on this computer. This computer can also find media on the network.

Choose media streaming options...

File sharing connections

Windows uses 128-bit encryption to help protect file sharing connections. Some devices don't support 128-bit encryption and must use 40- or 56-bit encryption.

● Use 128-bit encryption to help protect file sharing connections (recommended)
○ Enable file sharing for devices that use 40- or 56-bit encryption

Password protected sharing

When password protected sharing is on, only people who have a user account and password on this computer can access shared files, printers attached to this computer, and the Public folders. To give other people access, you must turn off password protected sharing.

○ Turn on password protected sharing
● Turn off password protected sharing

[Save changes] [Cancel]

🔍 Type here to search   20°C Haze   10:47 am 09/12/2022

Network and Internet

Control Panel Home

System and Security

Network and Internet

Hardware and Sound

Programs

User Accounts

Appearance and Personalization

Clock and Region

Ease of Access

Network and Sharing Center
View network status and tasks | Connect to a network | View network computers and devices

Internet Options
Change your homepage | Manage browser add-ons | Delete browsing history and cookies

File   Home   Share   View

Network > DESKTOP-QI6H2EA > Users > Admin > Desktop   Search Desktop

Quick access
  Desktop
  Downloads
  Documents
  Pictures
  Data Structures
  CN LAB
  CPP
  saves
  SQL Project
OneDrive
This PC
  3D Objects
  Desktop
  Documents
  Downloads
  Music
  Pictures
  Videos
  Local Disk (C:)
  New Volume (E:)
Network
  DESKTOP-QI6H2EA

Name	Date modified	Type	Size
kg	18/10/2022 10:30 pm	File folder	
test	19/07/2022 7:39 am	File folder	

2 items

Type here to search   20°C Haze   10:49 am 09/12/2022

Advanced sharing settings

Control Panel > Network and Internet > Network and Sharing Center > Advanced sharing settings

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

Guest or Public (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 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

Type here to search   20°C Haze   10:48 am 09/12/2022