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Section: BCS-5B

Course Name: Computer Networks LAB

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Task 01: Finding IP address, subnet Mask and Default gateway by using **ipconfig** command on cmd.


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Command Prompt

Windows IP Configuration

Ethernet adapter VirtualBox Host-Only Network:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::4caf:b2df:569f:1c3a%11
   Autoconfiguration IPv4 Address. . : 169.254.28.58
   Subnet Mask . . . . . . . . . . . : 255.255.0.0
   Default Gateway . . . . . . . . . :

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::cc43:6f36:34a9:c150%10
   IPv4 Address. . . . . . . . . . . : 192.168.85.70
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : 192.168.85.225

Ethernet adapter Bluetooth Network Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
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a. IP address: ……………………………………. 192.168.85.70

b. Subset mask: ……………………………………255.255.252.0

c. Default gateway: ………………………………..172.17.0.2

OS Used: Windows 11

Task 02: Recording a couple of IP addresses of my nearby hosts.

a. **IP address**: 172.17.1.174

b. **IP address**: 172.17.1.211

c. **IP address**: 172.17.1.200

Task 03: Find your IP address in at least 6 different ways.

01. Ipconfig: Finding my IP address through ipconfig command.

```
Command Prompt

Windows IP Configuration


Ethernet adapter VirtualBox Host-Only Network:

   Connection-specific DNS Suffix   . :
   Link-local IPv6 Address . . . . . : fe80::4caf:b2df:569f:1c3a%11
   Autoconfiguration IPv4 Address. . : 169.254.28.58
   Subnet Mask . . . . . . . . . . . : 255.255.0.0
   Default Gateway . . . . . . . . . :

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix   . :

Wireless LAN adapter Local Area Connection* 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix   . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix   . :
   Link-local IPv6 Address . . . . . : fe80::cc43:6f36:34a9:c150%10
   IPv4 Address. . . . . . . . . . . : 192.168.85.70
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : 192.168.85.225

Ethernet adapter Bluetooth Network Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix   . :
```
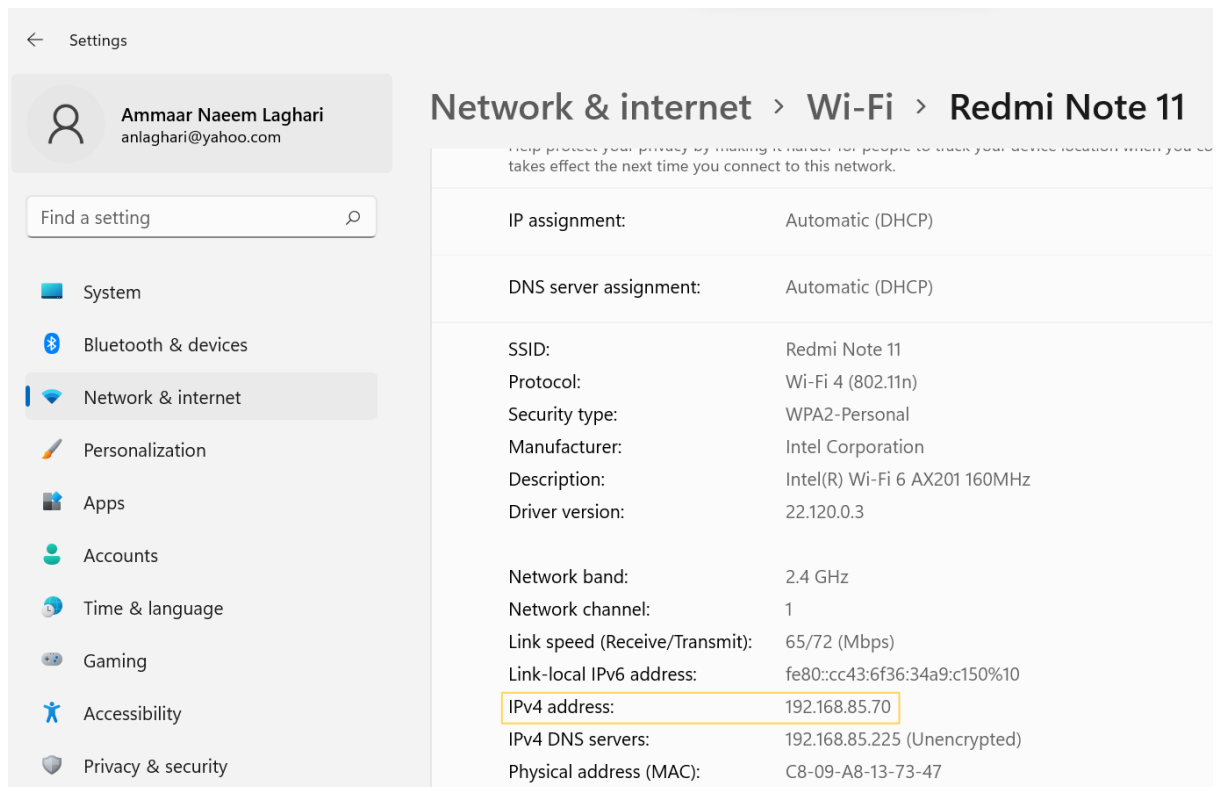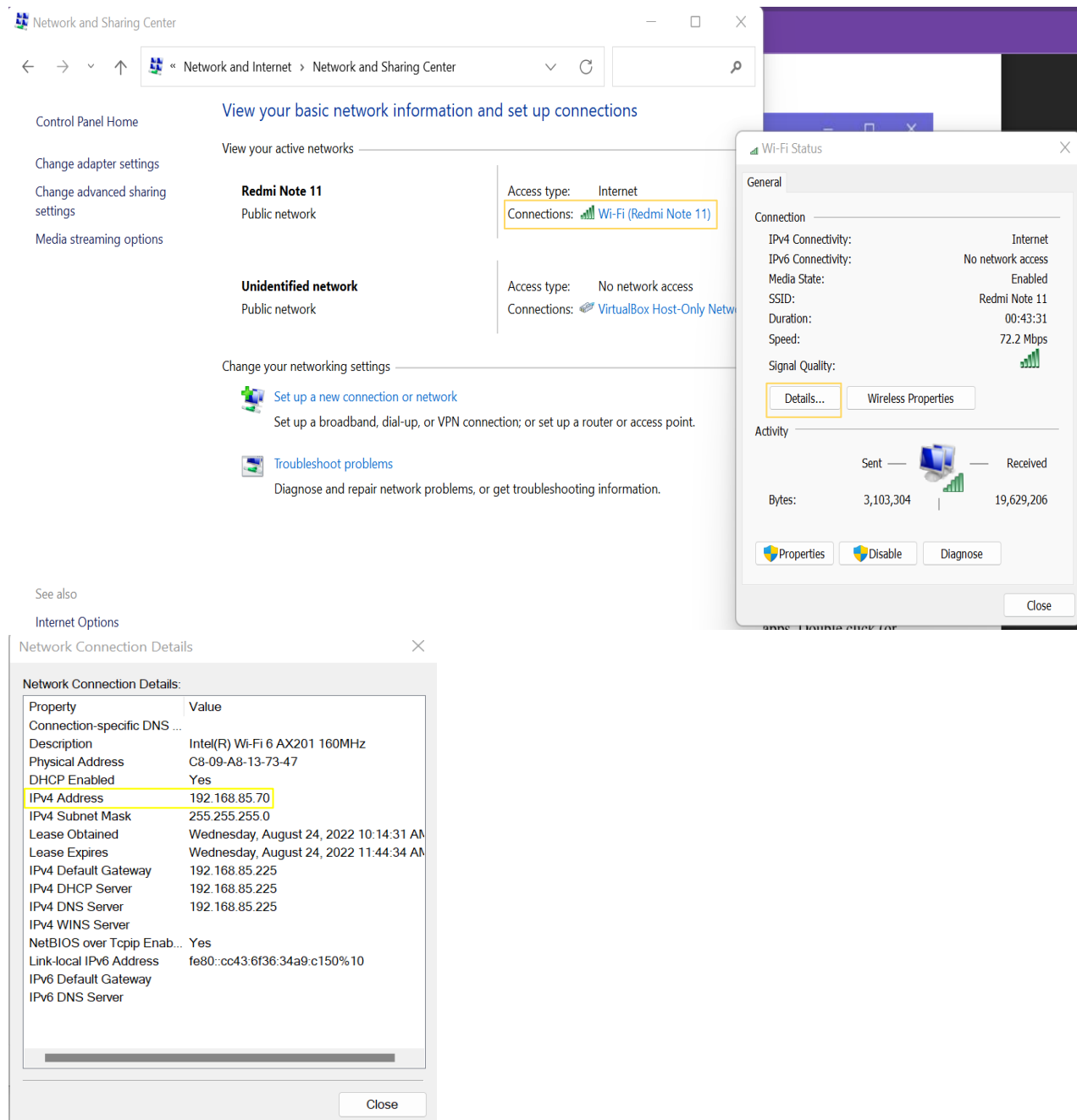
IP address: ……………………………… 192.168.85.70

02.   Finding my IP address from network settings.
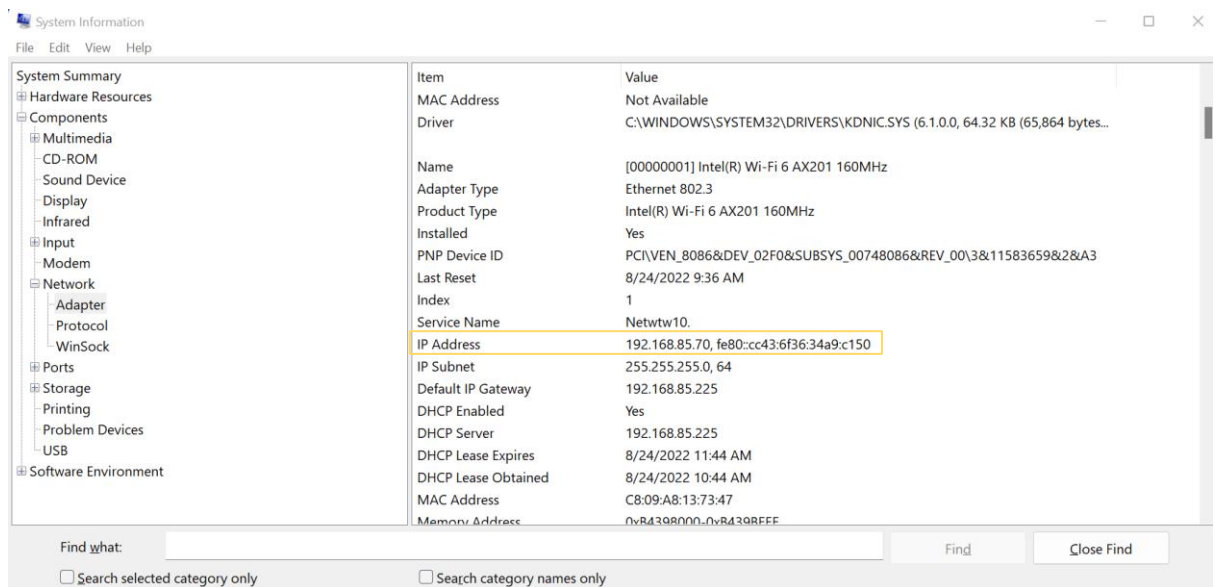

IP address: ………………….……………. 192.168.85.70

03.Finding my IP address from **control panel**.

- Open control panel and go to network and internet.
- Then go to network and sharing center.
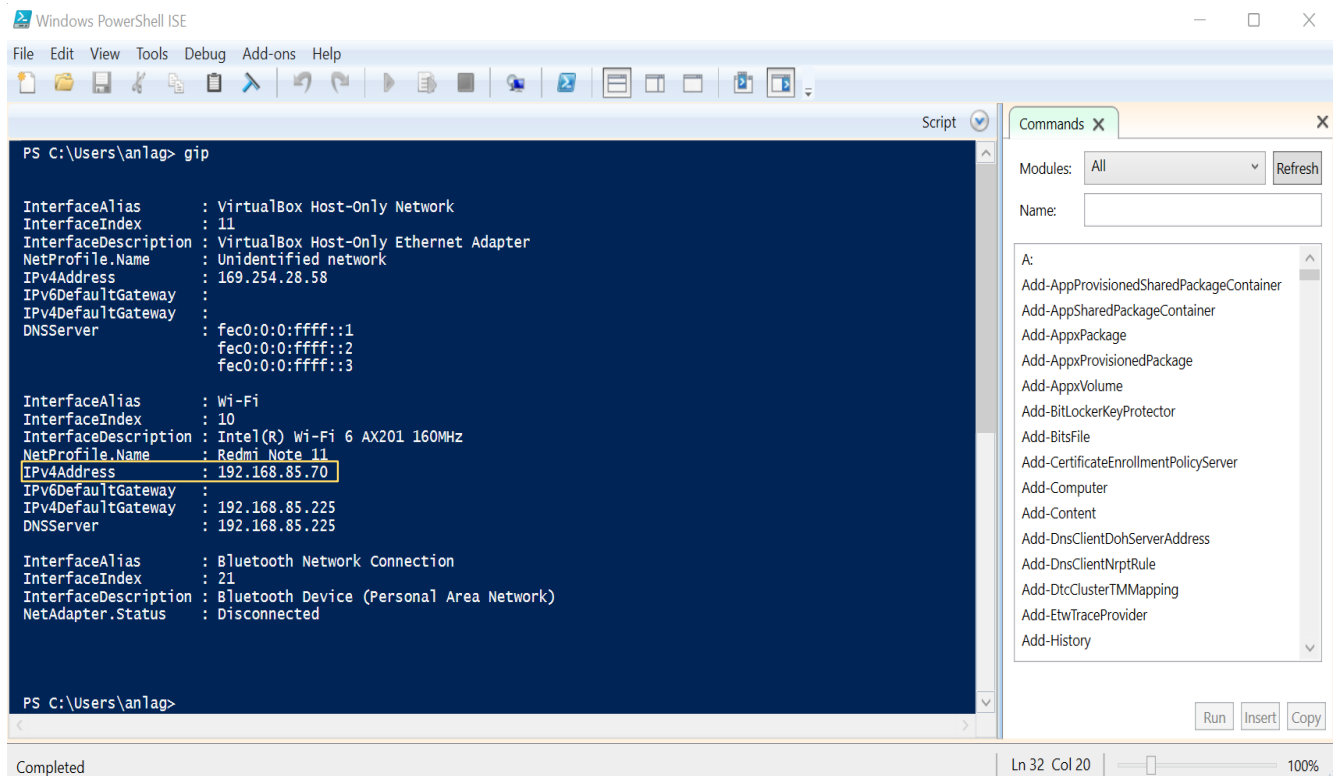- Click on wifi and then click on details.

IP address: ……………………………. 192.168.85.70
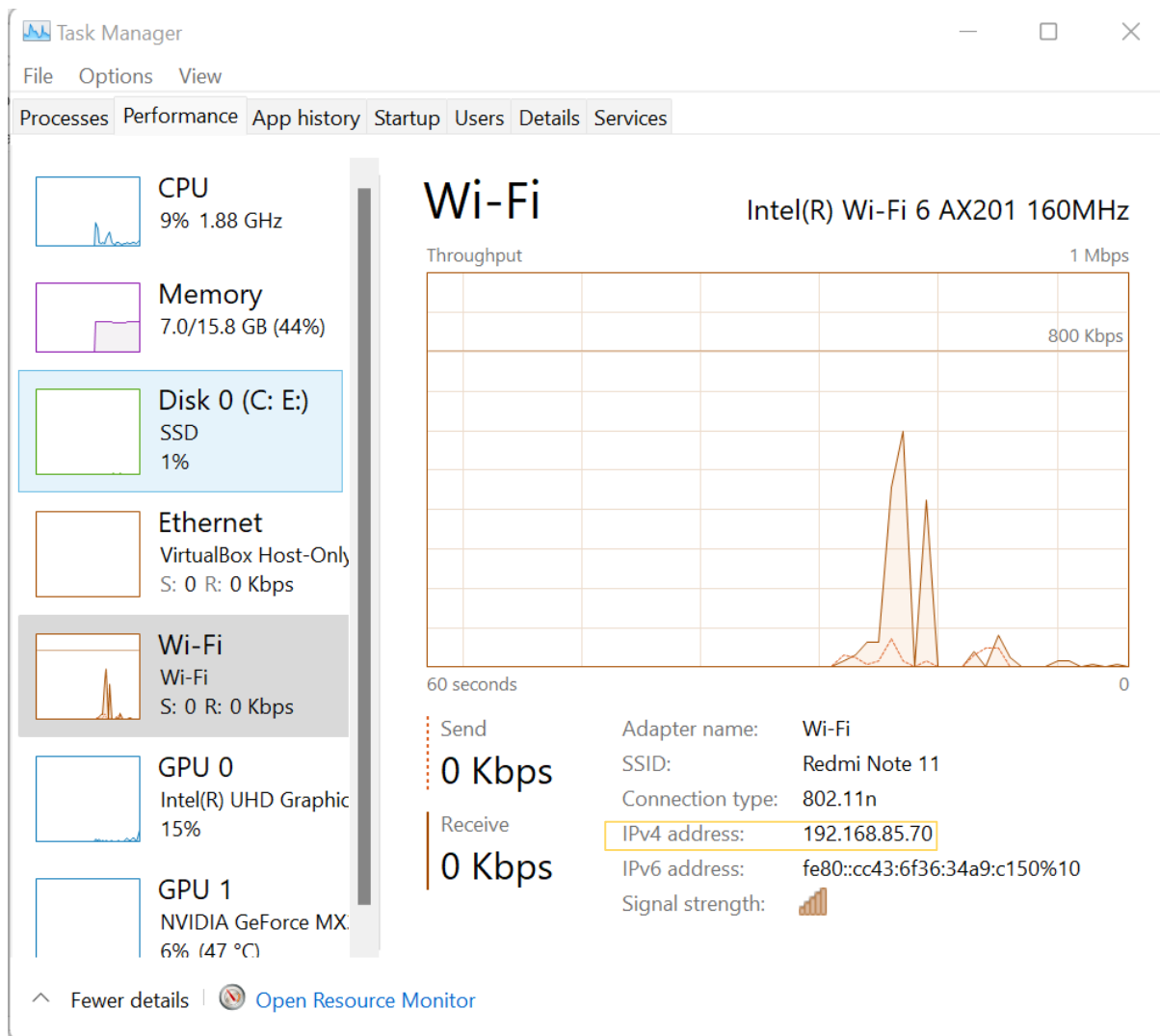
04. Finding my IP address from **system information.**

     IP address: …………………………. 192.168.85.70

05. Finding my IP address from **windows powerShell** .

     IP address: …………………………. 192.168.85.70

06. Finding my IP address from **Task Manager.**

IP address: …………………………………. 192.168.85.70

THE END