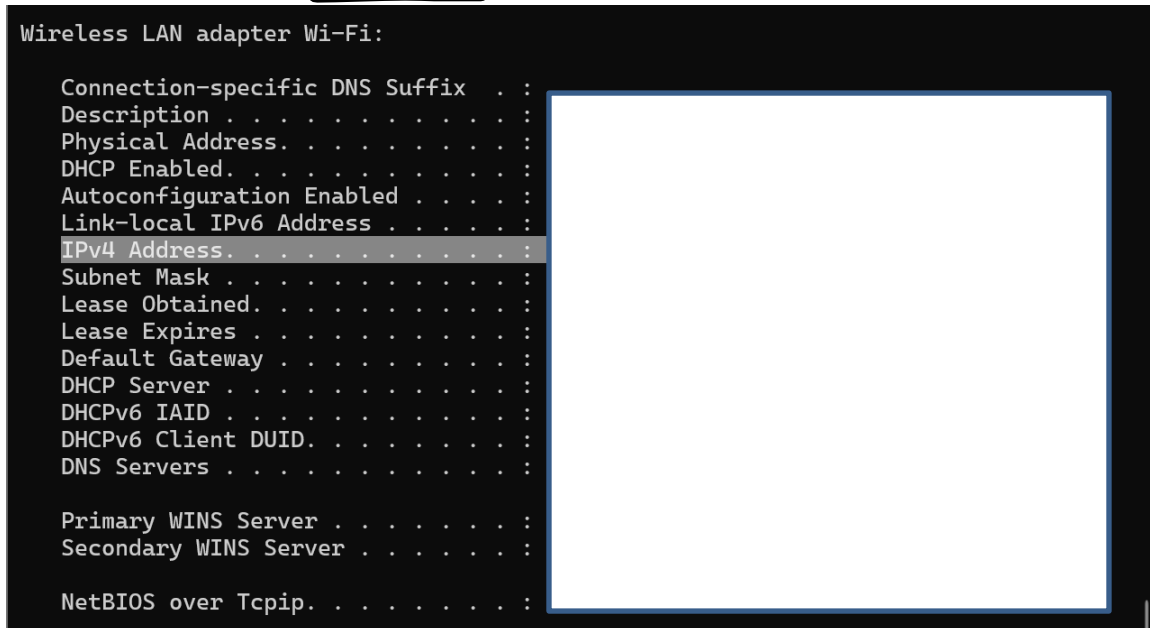


Ch. 6 Project on Canvas “Examine Network/Wireless Security Settings”

1. Provide a screenshot(s) showing the following information:

a. IP address – [REDACTED]



b. Subnet mask – [REDACTED]



c. Gateway address – [REDACTED]

```
Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix  . : 
Description . . . . . : 
Physical Address. . . . . : 
DHCP Enabled. . . . . : 
Autoconfiguration Enabled . . . . : 
Link-local IPv6 Address . . . . . : 
IPv4 Address. . . . . : 
Subnet Mask . . . . . : 
Lease Obtained. . . . . : 
Lease Expires . . . . . : 
Default Gateway . . . . . : 
DHCP Server . . . . . : 
DHCPv6 IAID . . . . . : 
DHCPv6 Client DUID. . . . . : 
DNS Servers . . . . . : 

Primary WINS Server . . . . . : 
Secondary WINS Server . . . . . : 

NetBIOS over Tcpip. . . . . :
```

d. DNS servers - [REDACTED]

```
Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix  . : 
Description . . . . . : 
Physical Address. . . . . : 
DHCP Enabled. . . . . : 
Autoconfiguration Enabled . . . . : 
Link-local IPv6 Address . . . . . : 
IPv4 Address. . . . . : 
Subnet Mask . . . . . : 
Lease Obtained. . . . . : 
Lease Expires . . . . . : 
Default Gateway . . . . . : 
DHCP Server . . . . . : 
DHCPv6 IAID . . . . . : 
DHCPv6 Client DUID. . . . . : 
DNS Servers . . . . . : 

Primary WINS Server . . . . . : 
Secondary WINS Server . . . . . : 

NetBIOS over Tcpip. . . . . :
```

e. MAC address - [REDACTED]

```
Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix  . : 
Description . . . . . : 
Physical Address. . . . . : 
DHCP Enabled. . . . . : 
Autoconfiguration Enabled . . . . : 
Link-local IPv6 Address . . . . . : 
IPv4 Address. . . . . : 
Subnet Mask . . . . . : 
Lease Obtained. . . . . : 
Lease Expires . . . . . : 
Default Gateway . . . . . : 
DHCP Server . . . . . : 
DHCPv6 IAID . . . . . : 
DHCPv6 Client DUID. . . . . : 
DNS Servers . . . . . : 

Primary WINS Server . . . . . : 
Secondary WINS Server . . . . . : 

NetBIOS over Tcpip. . . . . :
```

2. What command(s) did you run to provide this information?

I used the `ipconfig /all` command to find these information.

3. What is the manufacture of your wired or wireless network card? (Hint: Use a MAC address lookup site)

The manufacturer of my network card is Intel Corporation.

4. While connected to a wireless network provide the following information:

- a. Broadcasted SSID XXXXXXXXXX
- b. Radio Type (ex. 802.11b) *Wi-Fi 6 (802.11ax)*
- c. Security Type (ex. WEP) *WPA2-Personal*

5. Bonus: Using a wireless analyzer tool to provide the following information:

(Hint: <http://www.howtogeek.com/197268/how-to-find-the-best-wi-fi-channel-for-your-router-on-any-operating-system/>)

- a. Broadcasting channel - XXXXXXXXXX
- b. MAC address of Access Point (AP) - XXXXXXXXXX
- c. Are other APs broadcasting on the same channel and/or overlapping channel? *Nope, this AP is a lonely wolf that has the channel all by itself.*
- d. What is the best channel to use for the AP? - *Network Channel* XXXXXXXXXX
- e. Provide screenshot or photo of wireless analyzer tool

WifiInfoView - Full Details Mode

File Edit View Options Help

SSID /

MAC Address

PHY Type

RSSI

Signal Quality

Average Signal ...

Frequency

Channel

Information Size

Elements Count

Company

Router Model

Router Name

Element ID: 8 (SSID)

Element ID: 9 (Supported Rates)

Element ID: 5 (Traffic Indication Map)

Element ID: 2 (Country)

Element ID: 32 (Power Constraint)

Element ID: 48 (Robust Security Network)

Element ID: 11 (BSS Load)

Element ID: 18 (RSM Capabilities)

Element ID: 49 (RST File Capabilities)

Items(s), 1 Selected

NirSoft Freeware. <https://www.nirsoft.net>