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**Sec 5A**

# Lab Task 1

**Question 1**

```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::8fd:f2af:afcc:8104%20
   IPv4 Address. . . . . . . . . . . : 172.17.0.81
   Subnet Mask . . . . . . . . . . . : 255.255.252.0
   Default Gateway . . . . . . . . . : 172.17.0.2
```

IPv4: 172.17.0.81
Sub net Mask: 255.255.252.0
Default Gateway: 172.17.0.2

**Question 2**

IP address 1 : 172.17.1.58
IP address 2 :172.17.0.100
IP address 3 : 172.17.0.124

**Question 3**

=> 1st way is to write ipconfig /all so it will display all the details.
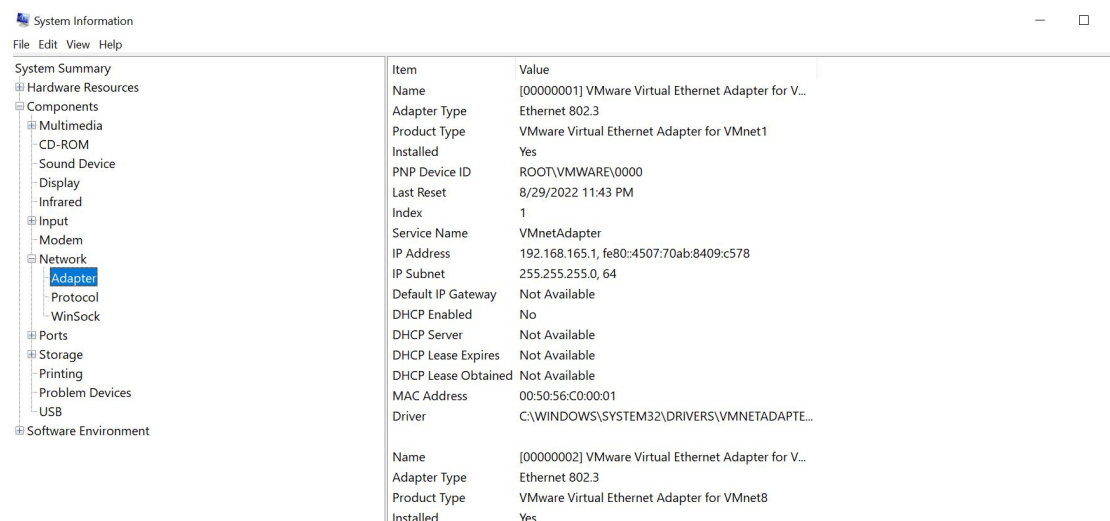
```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::8fd:f2af:afcc:8104%20
   IPv4 Address. . . . . . . . . . . : 172.17.0.81
   Subnet Mask . . . . . . . . . . . : 255.255.252.0
   Default Gateway . . . . . . . . . : 172.17.0.2
```

=>2nd way is to to go to wifi settings and there you will find.

## Properties

| | |
|---|---|
| SSID: | campuswifi |
| Protocol: | Wi-Fi 4 (802.11n) |
| Security type: | WPA2-Personal |
| Network band: | 2.4 GHz |
| Network channel: | 1 |
| Link speed (Receive/Transmit): | 243/243 (Mbps) |
| Link-local IPv6 address: | fe80::8fd:f2af:afcc:8104%20 |
| IPv4 address: | 172.17.0.81 |
| IPv4 DNS servers: | 8.8.8.8 |
| | 115.186.188.3 |
| | 103.55.68.74 |
| Manufacturer: | Intel Corporation |
| Description: | Intel(R) Dual Band Wireless-AC 8260 |

=> 3$^{rd}$ way is to go system information then go to components and then click Networks.



=> 4$^{th}$ way is to go to power shell and write command gip and then all information will be displayed.

=> 5th way is to go to task manager and the click on (more details) and then click on performance there you will find wifi details.
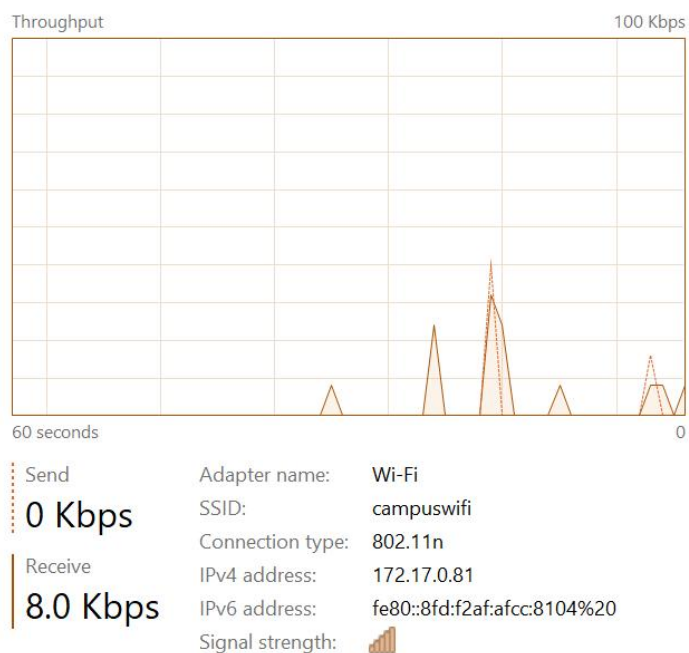
**=> 6ᵗʰ way** is to go to control panel and then click on Network and internet there you will find wifi and then go to details.

Network Connection Details:

| Property | Value |
|---|---|
| Connection-specific DNS ... | |
| Description | Intel(R) Dual Band Wireless-AC 8260 |
| Physical Address | 34-F3-9A-FE-4A-7F |
| DHCP Enabled | Yes |
| IPv4 Address | 172.17.0.81 |
| IPv4 Subnet Mask | 255.255.252.0 |
| Lease Obtained | Thursday, September 1, 2022 8:44:46 AM |
| Lease Expires | Thursday, September 1, 2022 9:34:48 AM |
| IPv4 Default Gateway | 172.17.0.2 |
| IPv4 DHCP Server | 172.17.0.2 |
| IPv4 DNS Servers | 8.8.8.8 |
| | 115.186.188.3 |
| | 103.55.68.74 |
| IPv4 WINS Server | |
| NetBIOS over Tcpip Enab... | Yes |
| Link-local IPv6 Address | fe80::8fd:f2af:afcc:8104%20 |
| IPv6 Default Gateway | |
| IPv6 DNS Server | |