PRACTICAL-01

1 . Display your system IP Address, Subnet mask using ipconfig, and find out the network address and the maximum number of systems possible on your network and range of IP Addresses available to these systems .

Command Prompt

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Microsoft Windows [Version 10.0.22000.2538]
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C:\Users\HP>ipconfig/all

Windows IP Configuration

    Host Name . . . . . . . . . . . . : DESKTOP-BU29UF6
    Primary Dns Suffix  . . . . . . . :
    Node Type . . . . . . . . . . . . : Hybrid
    IP Routing Enabled. . . . . . . . : No
    WINS Proxy Enabled. . . . . . . . : No

Ethernet adapter Ethernet:

    Media State . . . . . . . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Intel(R) Ethernet Connection (4) I219-LM
    Physical Address. . . . . . . . . : B4-B6-86-FD-AB-15
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection* 1:

    Media State . . . . . . . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter
    Physical Address. . . . . . . . . : 7C-76-35-AA-4E-35
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . . . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #2
    Physical Address. . . . . . . . . : 7E-76-35-AA-4E-34
    DHCP Enabled. . . . . . . . . . . : No
    Autoconfiguration Enabled . . . . : Yes
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OUTPUT :

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Command Prompt

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Intel(R) Dual Band Wireless-AC 8265
   Physical Address. . . . . . . . . : 7C-76-35-AA-4E-34
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::9ee3:64d0:b4e7:b9b3%12(Preferred)
   IPv4 Address. . . . . . . . . . . : 192.168.1.7(Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Lease Obtained. . . . . . . . . . : Wednesday, October 25, 2023 5:48:21 PM
   Lease Expires . . . . . . . . . . : Thursday, October 26, 2023 5:48:21 PM
   Default Gateway . . . . . . . . . : 192.168.1.1
   DHCP Server . . . . . . . . . . . : 192.168.1.1
   DHCPv6 IAID . . . . . . . . . . . : 125597237
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-2C-2A-95-7E-B4-B6-86-FD-AB-15
   DNS Servers . . . . . . . . . . . : 192.168.1.1
   NetBIOS over Tcpip. . . . . . . . : Enabled

Ethernet adapter Bluetooth Network Connection:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Bluetooth Device (Personal Area Network)
   Physical Address. . . . . . . . . : 7C-76-35-AA-4E-38
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
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