

PRACTICAL 01

1. Display your systems 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.

OUTPUT:

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Command Prompt
Microsoft Windows [Version 10.0.22621.2428]
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C:\Users\sanjh>ipconfig/all

Windows IP Configuration

    Host Name . . . . . : LAPTOP-5F61EA1F
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Hybrid
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :
    Description . . . . . : ExpressVPN TAP Adapter
    Physical Address. . . . . : 00-FF-38-A4-F5-A3
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes

Unknown adapter Local Area Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :
    Description . . . . . : ExpressVPN Wintun Driver
    Physical Address. . . . . :
    DHCP Enabled. . . . . : No
    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. . . . . : 92-E8-68-F1-AB-8F
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
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NAME- SANJHI JAIN
ROLL NO- CSC/21/19

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Command Prompt

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix . . : 
    Description . . . . . : Realtek RTL8822CE 802.11ac PCIe Adapter
    Physical Address. . . . . : 90-E8-68-F1-AB-8F
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::60d3:a9ee:c9a:10bc%3(Preferred)
    IPv4 Address. . . . . : 192.168.0.102(Preferred)
    Subnet Mask . . . . . : 255.255.255.0
    Lease Obtained. . . . . : 23 October 2023 22:00:03
    Lease Expires . . . . . : 31 October 2023 22:25:39
    Default Gateway . . . . . : 192.168.0.1
    DHCP Server . . . . . : 192.168.0.1
    DHCPv6 IAID . . . . . : 59828328
    DHCPv6 Client DUID. . . . . : 00-01-00-01-2B-9C-EA-DB-90-E8-68-F1-AB-8F
    DNS Servers . . . . . : 192.168.0.1
    NetBIOS over Tcpip. . . . . : Enabled
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