EXP NO: 2 DATE: 15/7/25	**Learning and Assignment of IP address manually to computers**

AIM:

To understand what an ip addresss is and learn how to manually assign a static IP address to a computer

PROCEDURE:

Step 1: Open Network Settings

Right-click on Network icon in taskbar → Click Open Network Internet Settings;

Step 2: Open Adapter Settings

Click on Change adapter options;

Right-click on Ethernet (or Wi-Fi) → Click Properties

Step 3: Choose Internet Protocol

Select Internet Protocol Version 4 (TCP/IPv4)

Click on Properties;

Step 4: Assign IP Address

Select Use the following IP address

Enter the following:

IP Address: 192.168.1.10 (example)

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1 (optional for internet)

Click OK

Step 5: Test the Connection

Open Command Prompt → Type:

ipconfig

→ To check your IP address.

Then try:

ping 192.168.1.11

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→ To check connection between two manually assigned computers.

OUTPUT:

```
C:\Users\karth>ping 172.16.72.212

Pinging 172.16.72.212 with 32 bytes of data:
Reply from 172.16.72.212: bytes=32 time<1ms TTL=128
Reply from 172.16.72.212: bytes=32 time<1ms TTL=128
Reply from 172.16.72.212: bytes=32 time<1ms TTL=128
Reply from 172.16.72.212: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.72.212:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

RESULT:

Hence Learned and assigned a static IP address to a computer in a local network successfully.

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