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Experiment: 12

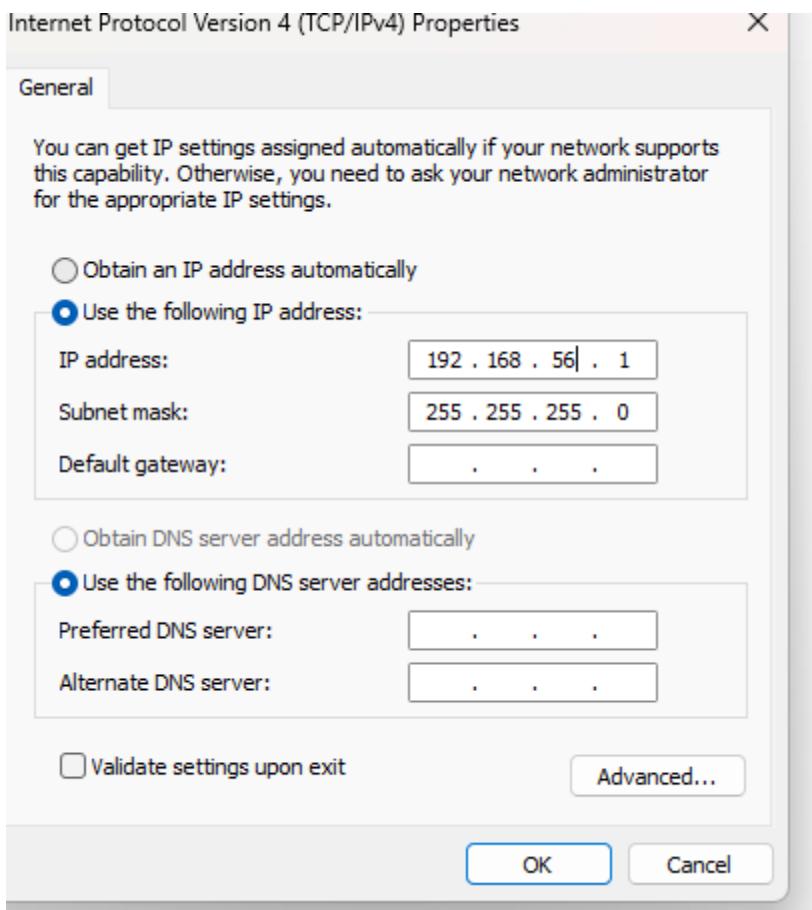
## LEARNING AND ASSIGNMENT OF IP ADDRESS MANUALLY TO COMPUTERS

### AIM:

To learn how to **assign IP addresses manually** to computers in a network using **Cisco Packet Tracer**.

### ALGORITHM:

1. Open **Cisco Packet Tracer**.
2. **Create a simple network** by connecting two or more PCs with a switch.
3. **Select a PC**, click on it, and open the **Desktop tab**.
4. Click on **IP Configuration**.
5. **Manually enter**:
  - o IP Address (e.g., 192.168.1.2)
  - o Subnet Mask (e.g., 255.255.255.0)
  - o Default Gateway (if required, e.g., 192.168.1.1)
6. **Repeat** the process for all other PCs (assign different IPs in the same network).
7. **Test connectivity** using the **ping command** from one PC to another.
8. **Observe the results** and save the configuration.



## OUTPUT:

### BEFORE CHANGING

```
Microsoft Windows [Version 10.0.26100.6899]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HDC0422193>cd..

C:\Users>cd..

C:\>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

Connection-specific DNS Suffix  . :
Link-local IPv6 Address . . . . . : fe80::b390:ace5:58a6:85f%13
IPv4 Address. . . . . : 172.16.53.179
Subnet Mask . . . . . : 255.255.254.0
Default Gateway . . . . . : 172.16.52.1
```

## AFTER CHANGING

```
C:\>ipconfig  
Windows IP Configuration  
  
Ethernet adapter Ethernet:  
  
Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . . : fe80::b390:ace5:58a6:85f%13  
IPv4 Address. . . . . : 172.16.53.179  
Subnet Mask . . . . . : 255.255.254.0  
Default Gateway . . . . . : 172.16.52.1  
  
Ethernet adapter Ethernet 2:  
  
Connection-specific DNS Suffix . :  
Link-local IPv6 Address . . . . . : fe80::2739:d7ac:d7d9:4c2f%5  
IPv4 Address. . . . . : 192.168.56.1  
Subnet Mask . . . . . : 255.255.255.0  
Default Gateway . . . . . :
```

## RESULT:

Thus, the system was configured and assigned an IP address manually to the system.