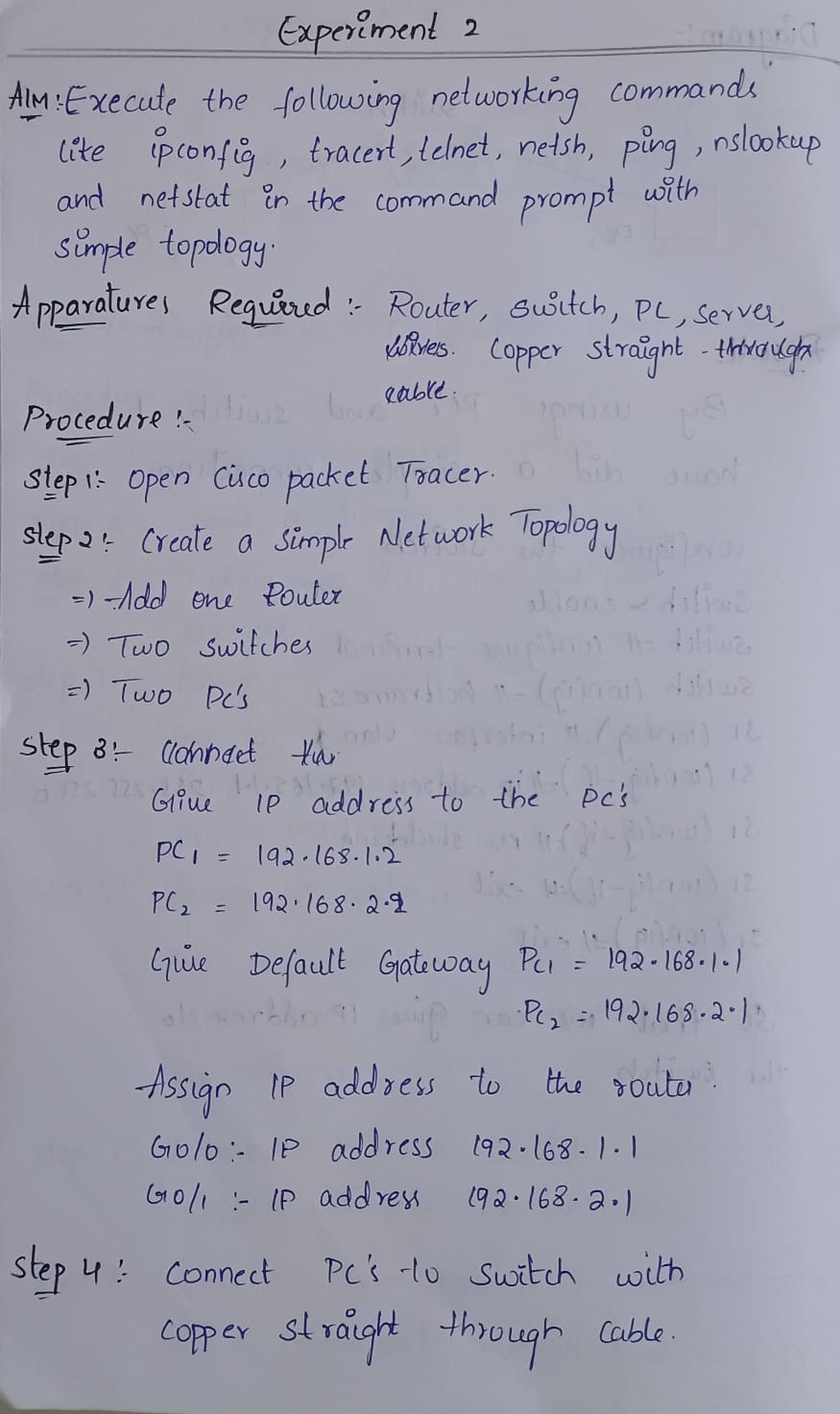
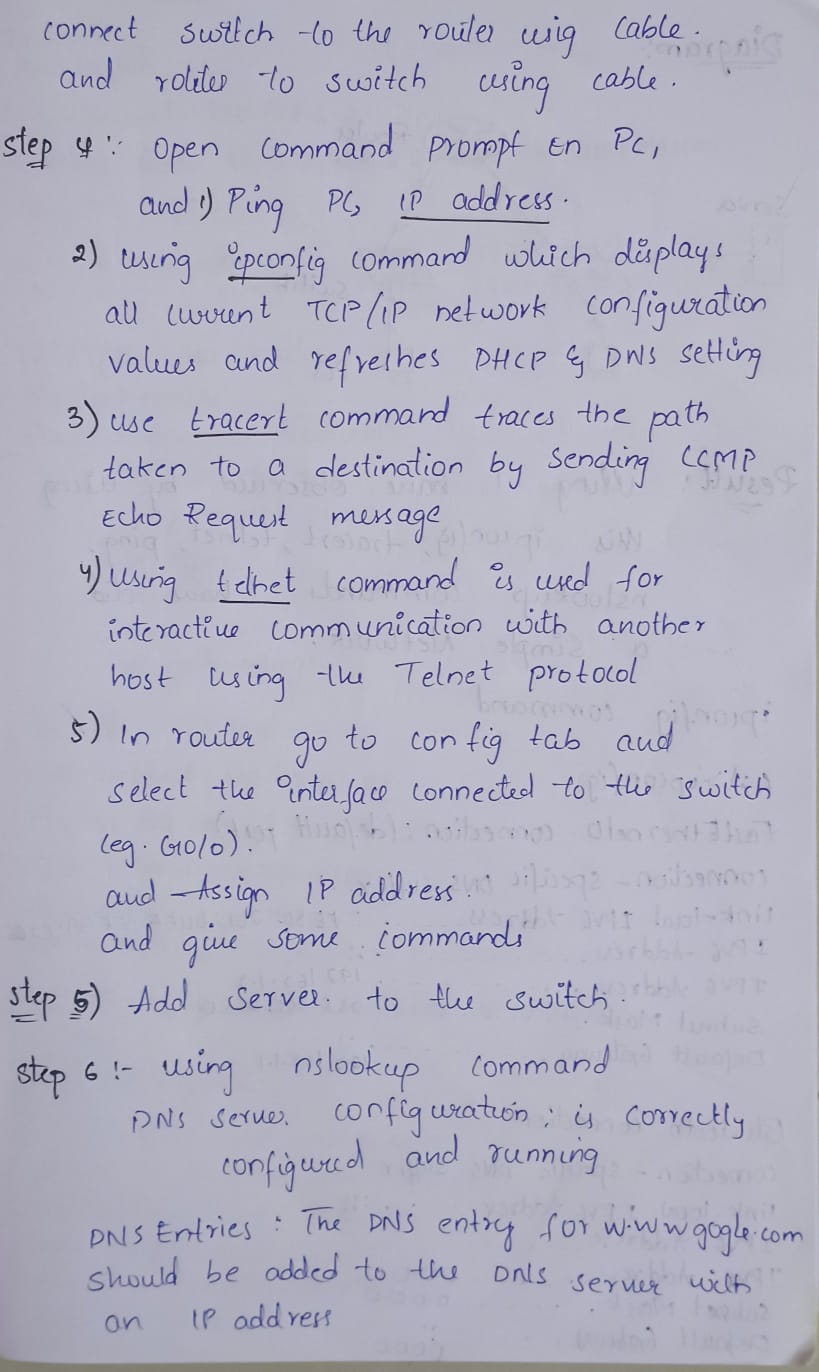
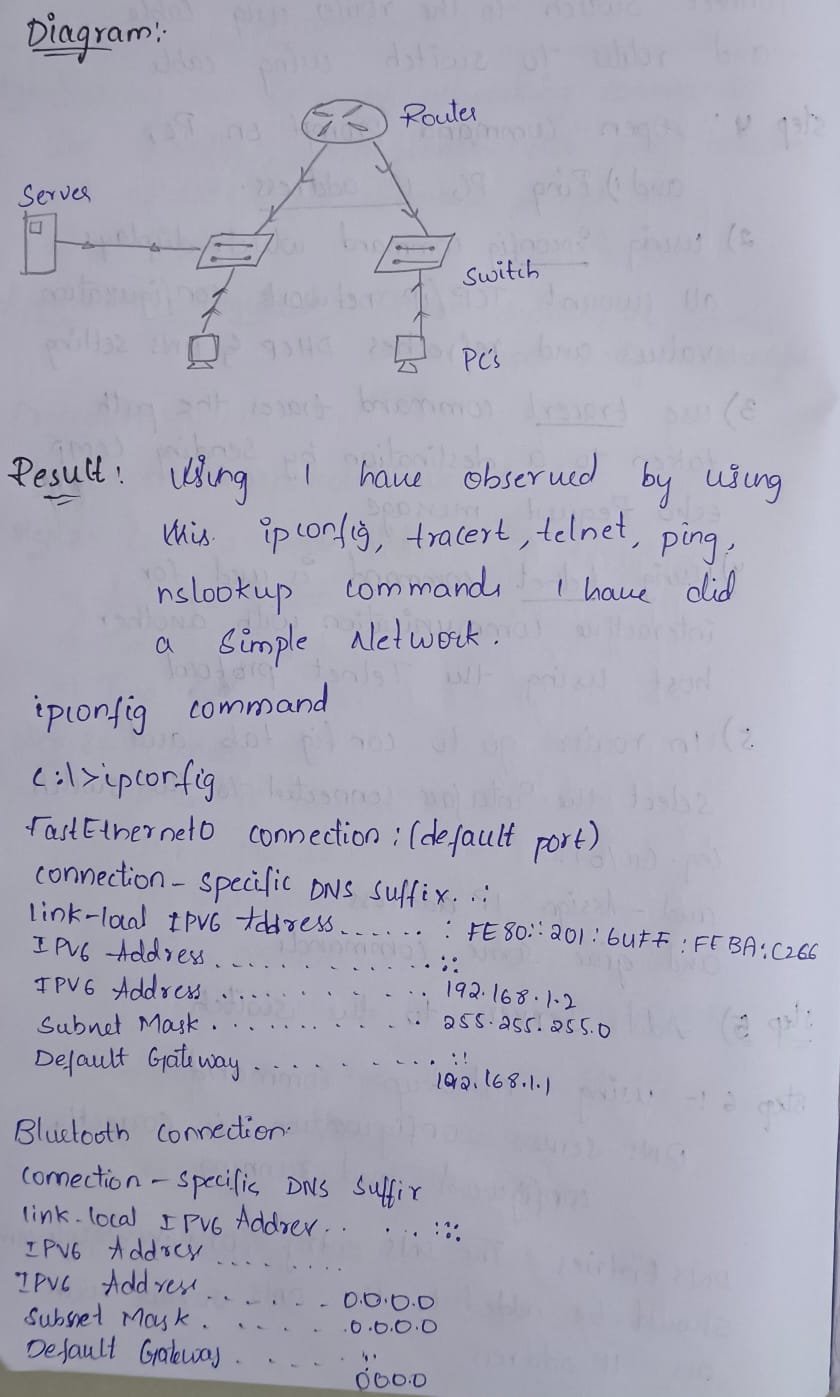
NPS 2320030205

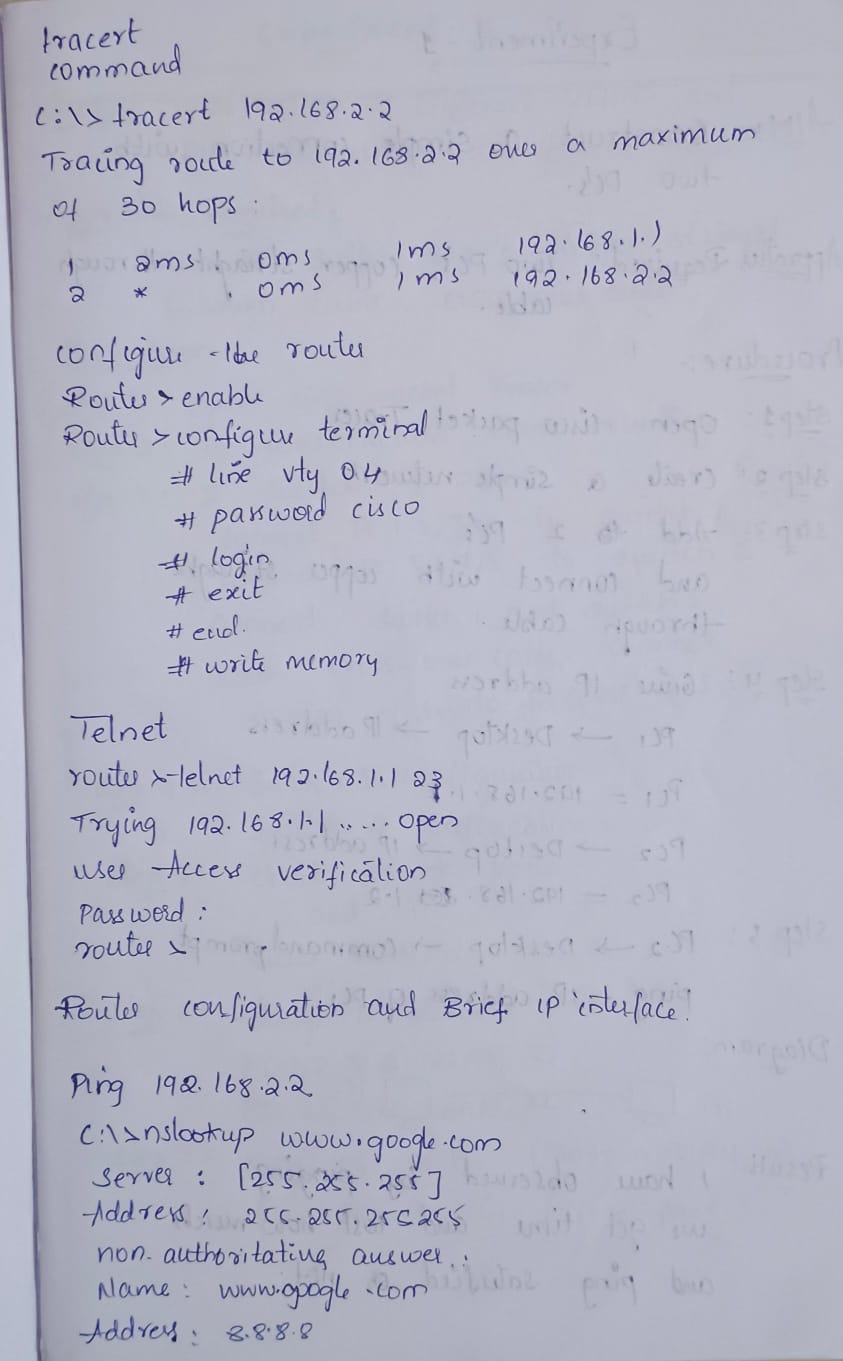
EXPERIMENT-2 N. Manasa Lahari

AIM: Execute the following networking commands like **ipconfig, tracert, telnet, netsh, ping, nslookup and netstat** in the command prompt with simple topology.



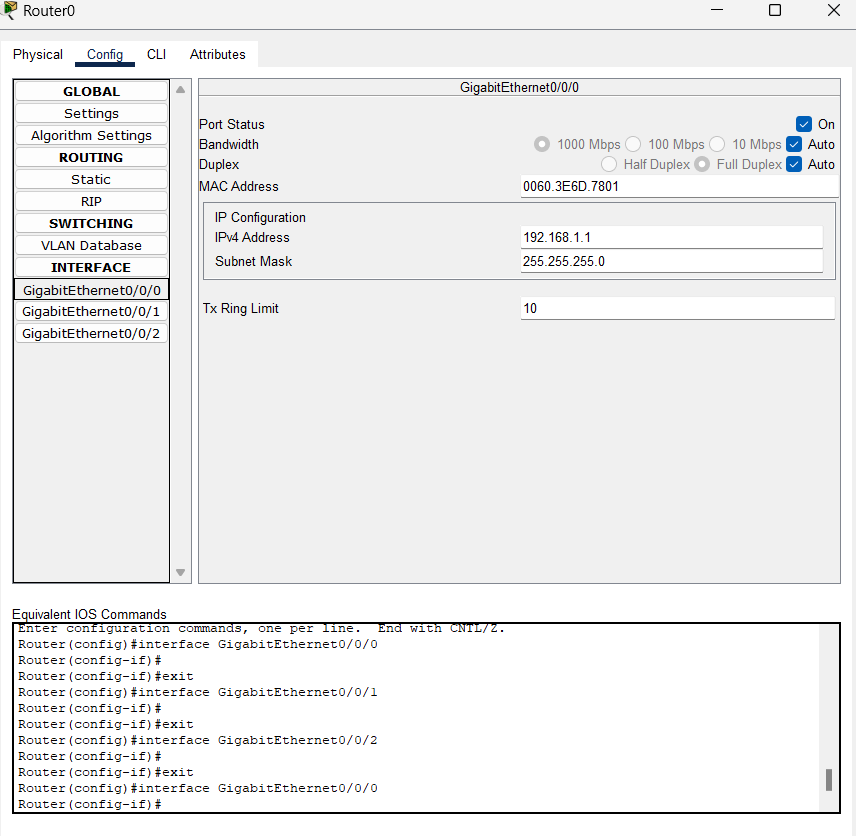




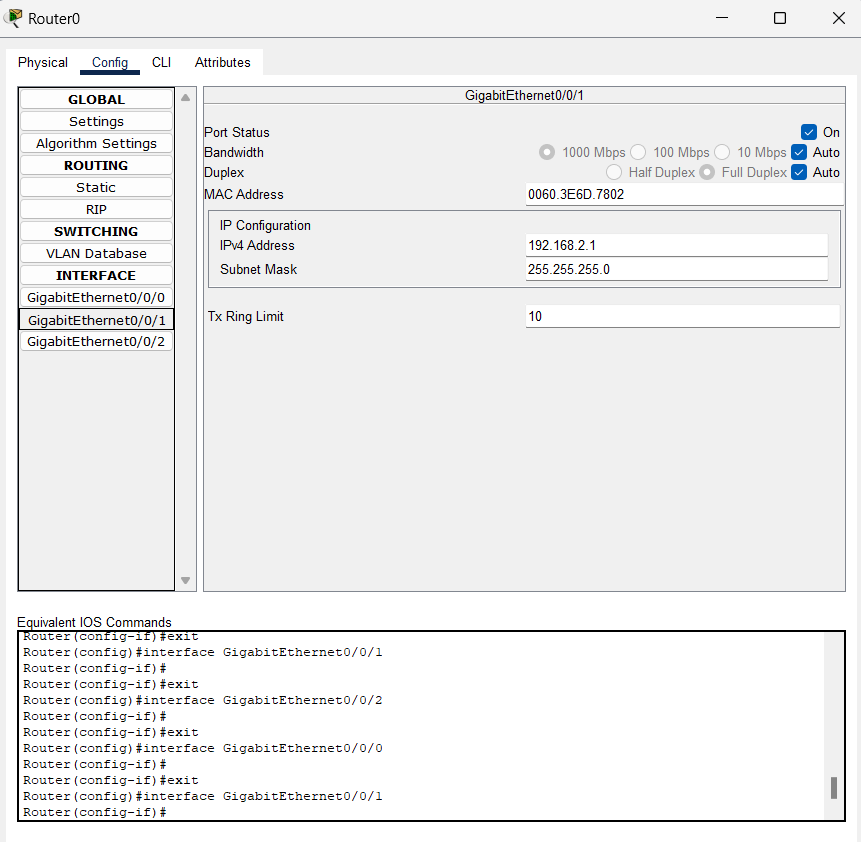


Configure the router:

Interface G0/0: IP address 192.168.1.1, Subnet Mask 255.255.255.0

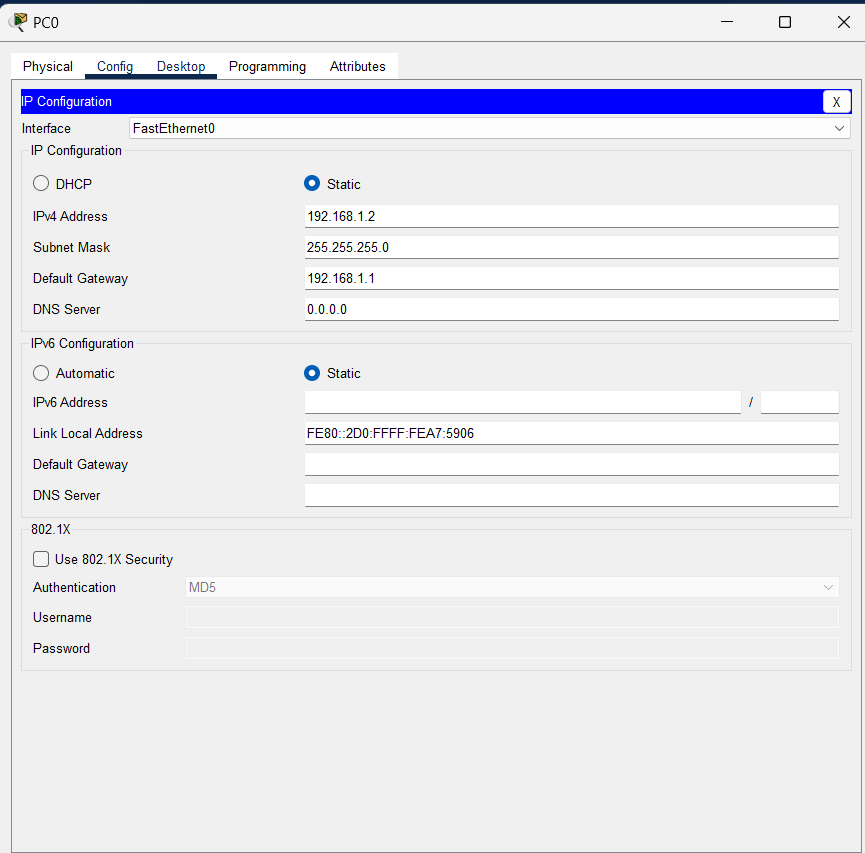


Interface G0/1: IP address 192.168.2.1, Subnet Mask 255.255.255.0

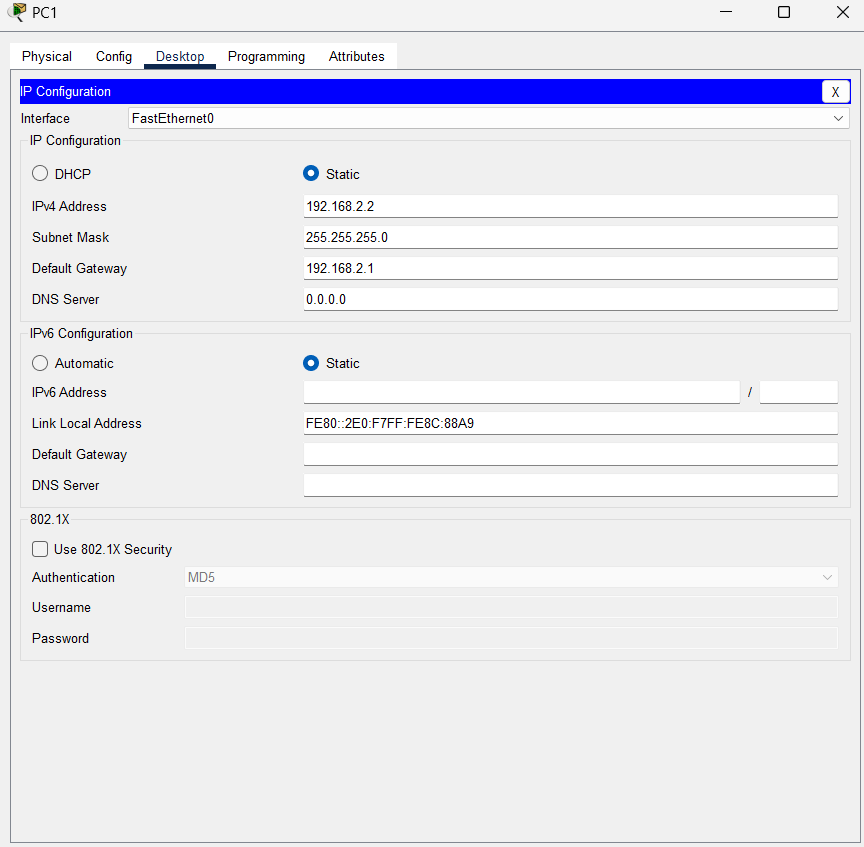


**Configure the PCs**:

PC0: IP address 192.168.1.2, Subnet Mask 255.255.255.0, Default Gateway 192.168.1.1

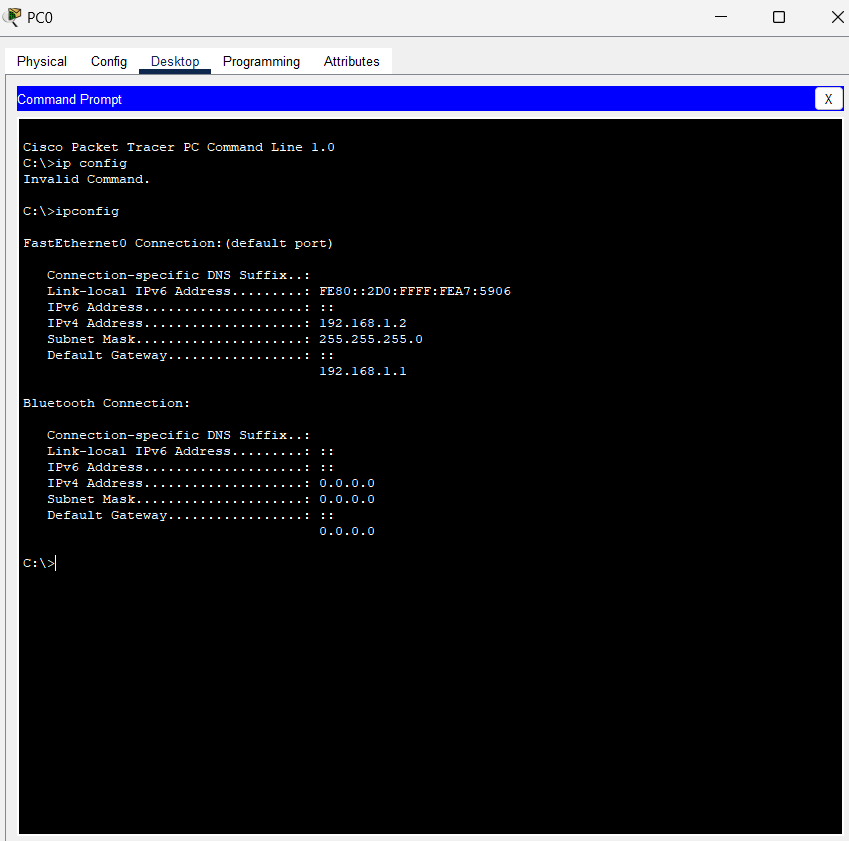


PC1: IP address 192.168.2.2, Subnet Mask 255.255.255.0, Default Gateway 192.168.2.1

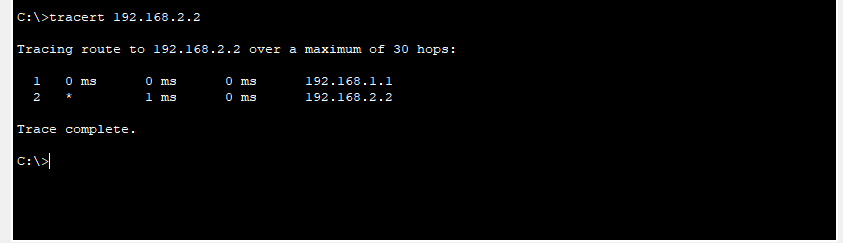


**Execute Networking Commands**

**1. ipconfig**:

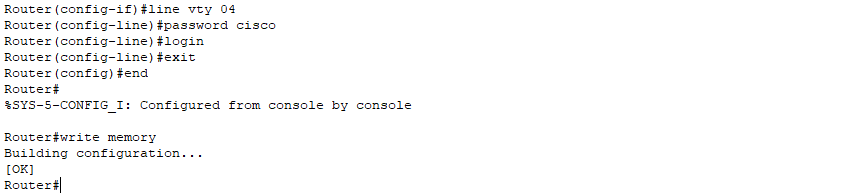


2. **tracert**:

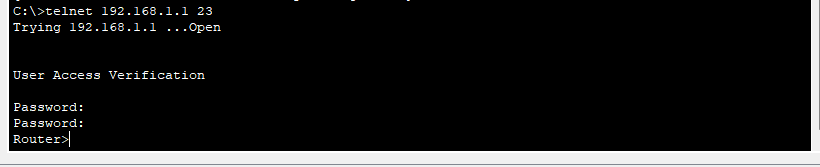


***Configure the Router***

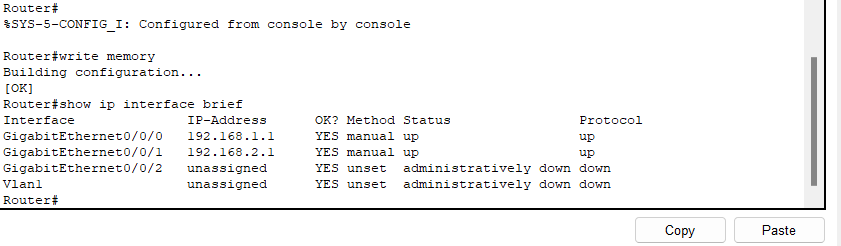
1. **Assign IP Address:**

****

3. telnet

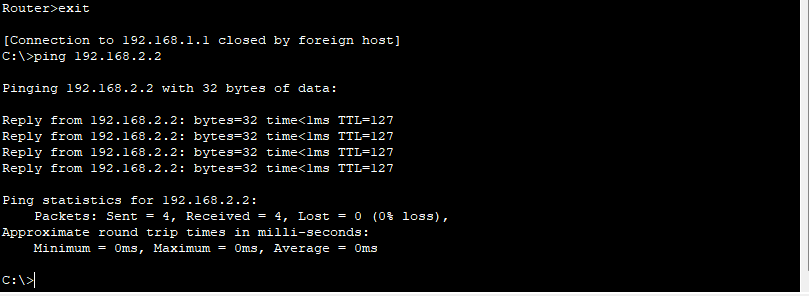


4. Router configuration and Brief Ip Interface



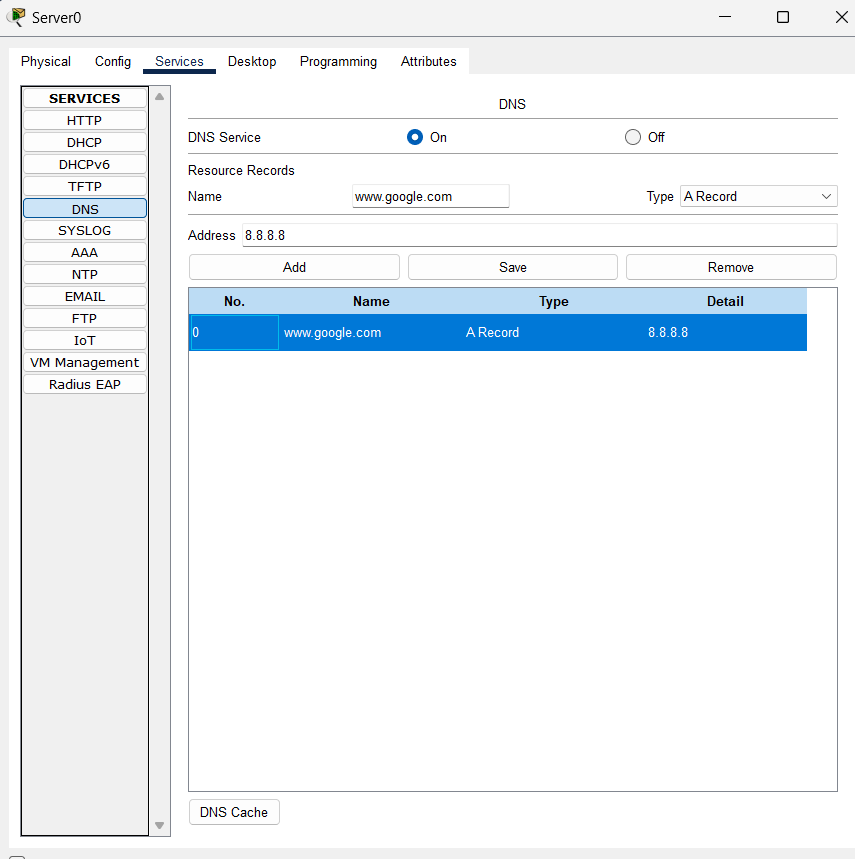
5. **Ping 192.168.2.2**

**ICMP Echo**

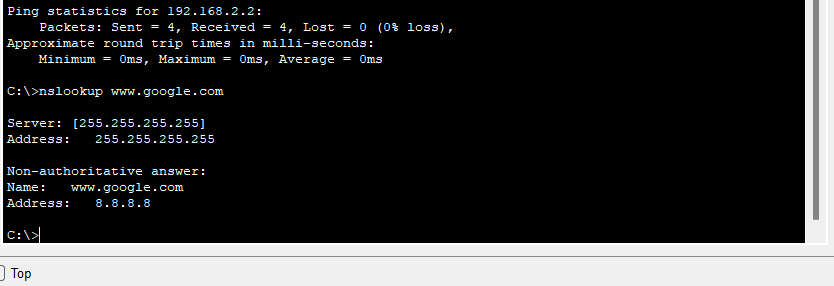
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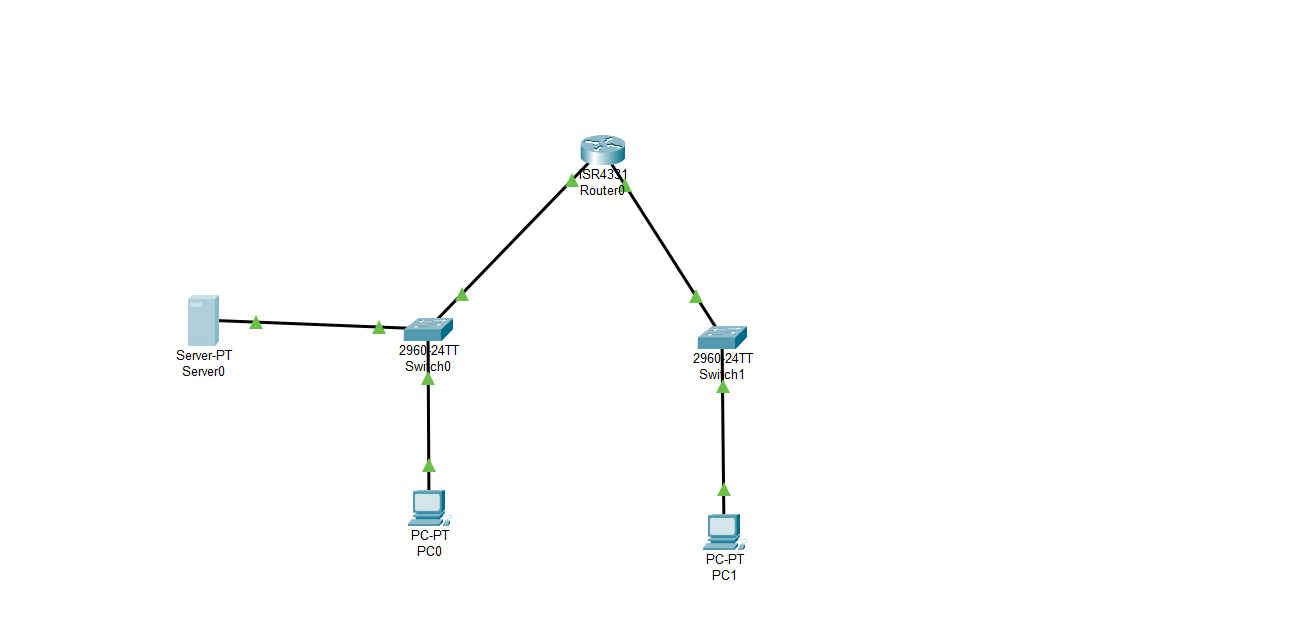
1. **Add one server (to act as a DNS server).**
2. **Connect both PCs and the server to the switch using copper straight-through cables.**

**Configure the DNS server**

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**6. use nslookup command**

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