

**Izaan Mohtashim**

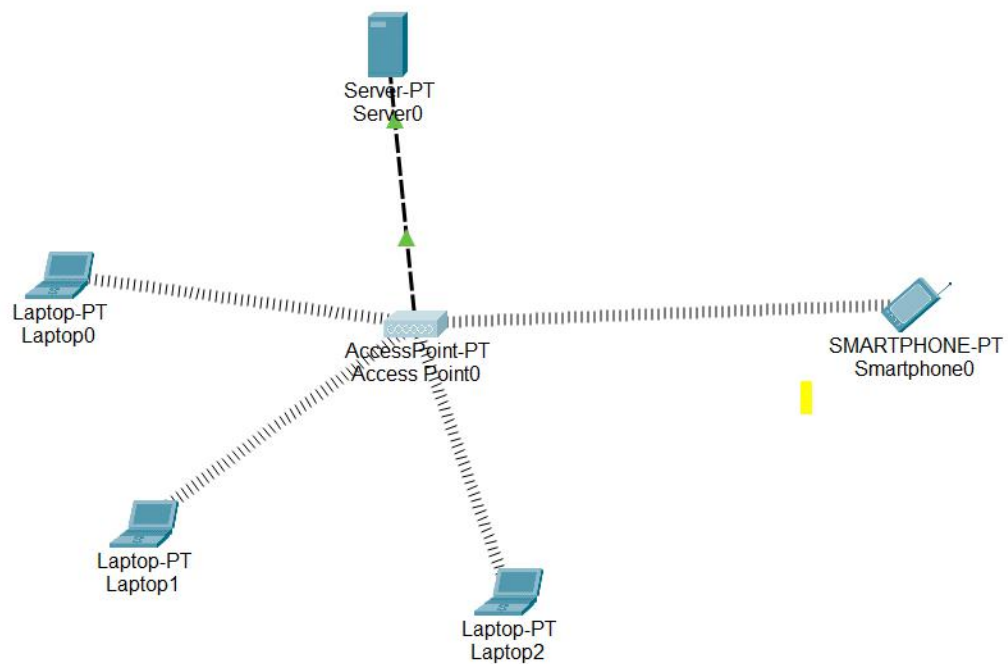
**P20-0613**

**Sec 5A**

**Computer Networks**

**Lab Task7**

## TASK 1:



Enable dhcp services on dhcp server to give ip's to connected devices

Server0

Physical Config **Services** Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

**DHCP**

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 172.16.0.0

Subnet Mask: 255.255.0.0

Maximum Number of Users: 512

TFTP Server: 0.0.0.0

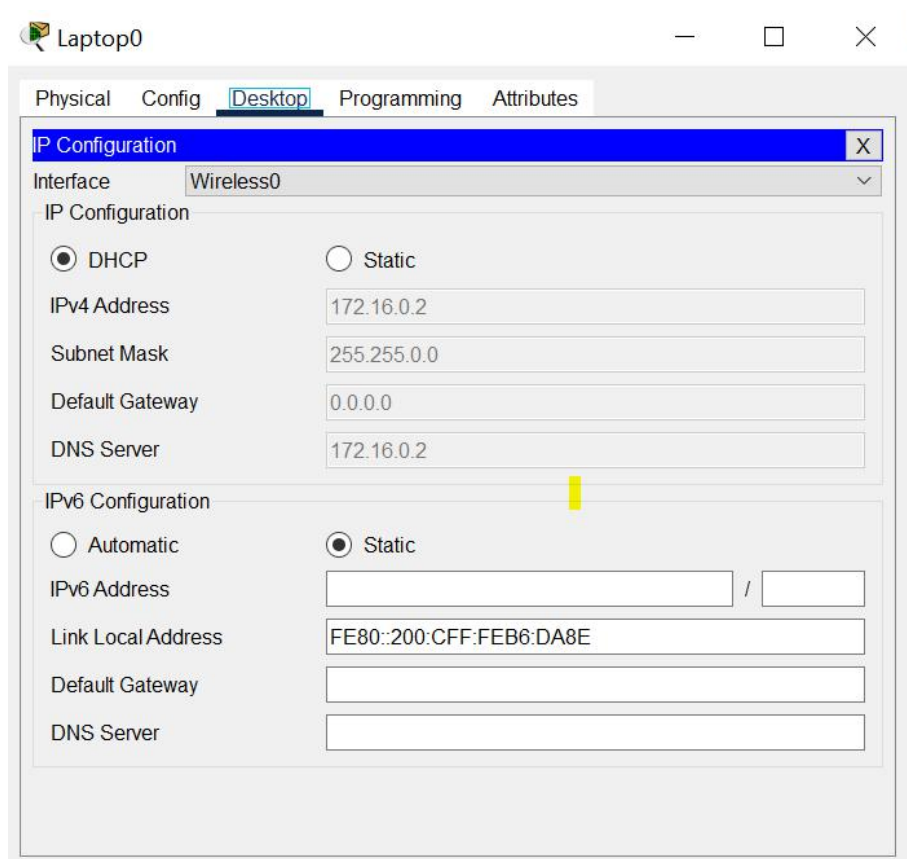
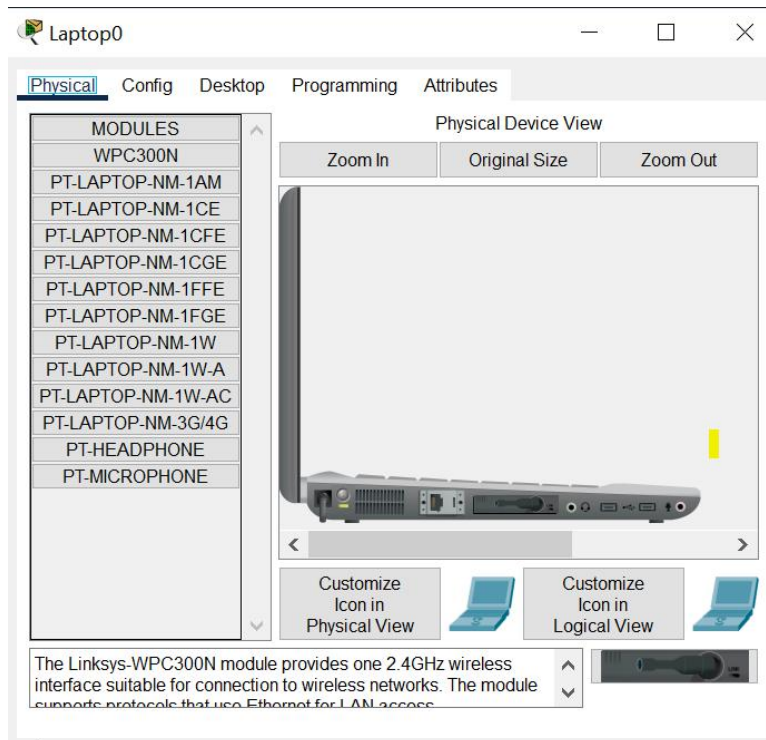
WLC Address: 0.0.0.0

Add Save Remove

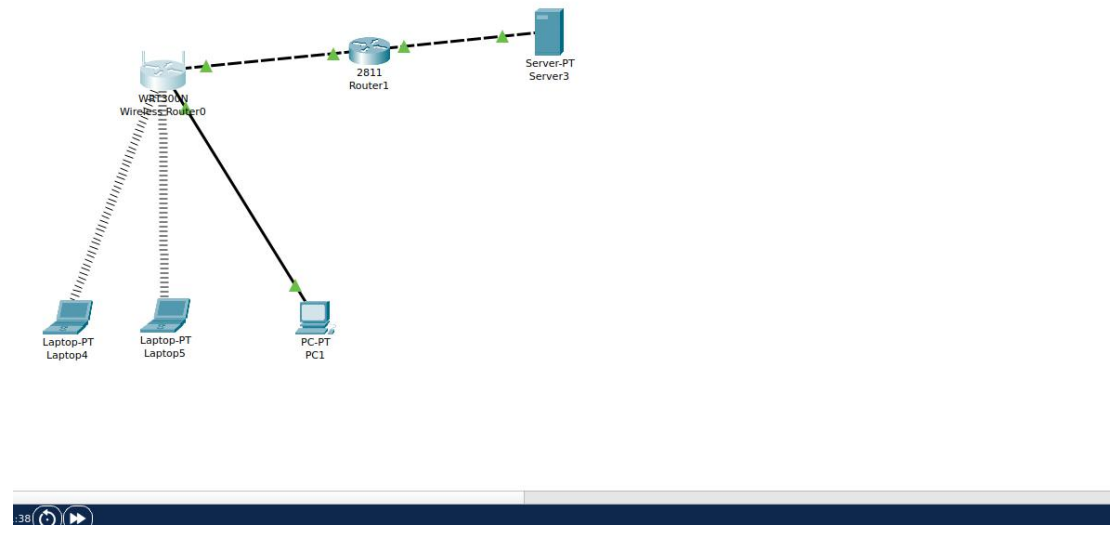
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	W Ad
Pool	172.1...	172.1...	172.1...	255.2...	512	0.0.0.0	0.0...
serverPool	0.0.0.0	0.0.0.0	172.1...	255.2...	512	0.0.0.0	0.0...

Top

We will take wpc300 to install in laptop to use signal.

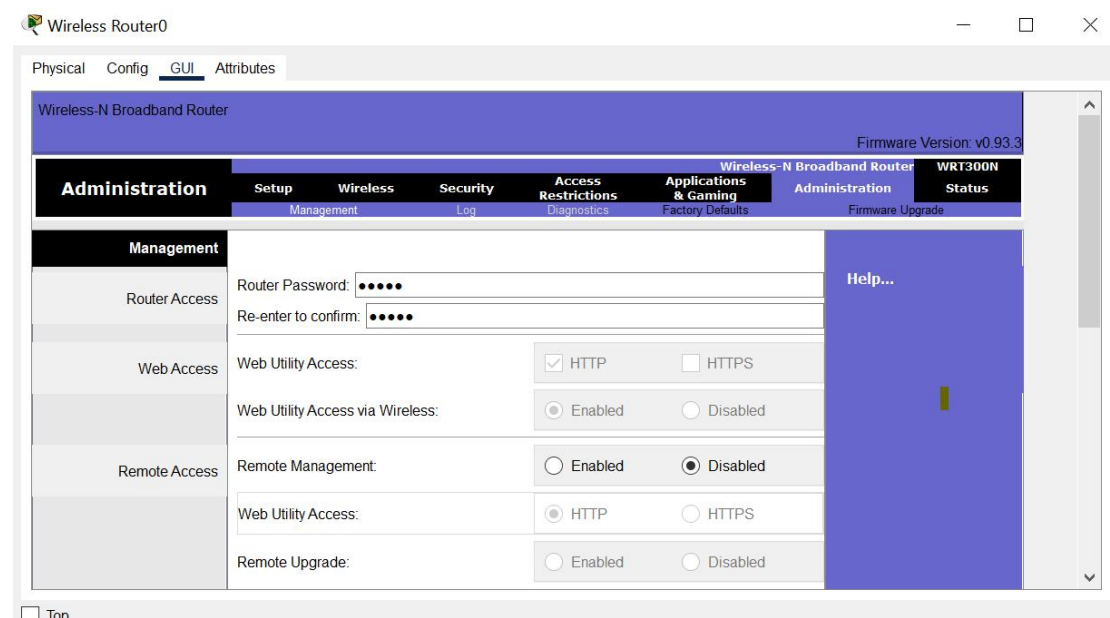


## TASK 2:



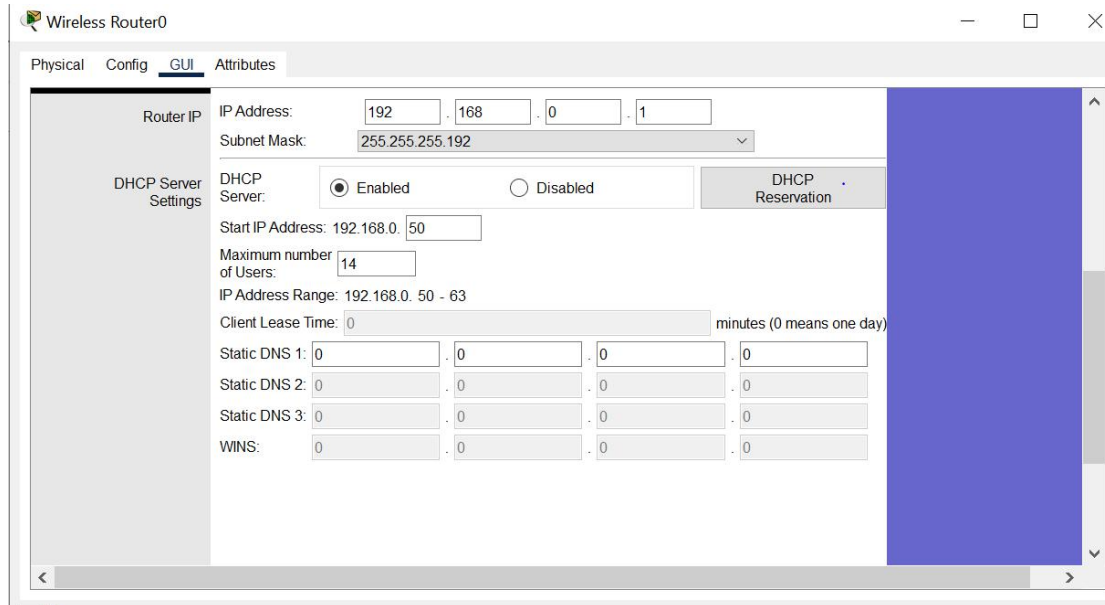
### • Wireless LAN administration.

Open wireless setting of wireless router and go to Administration and set password for routers

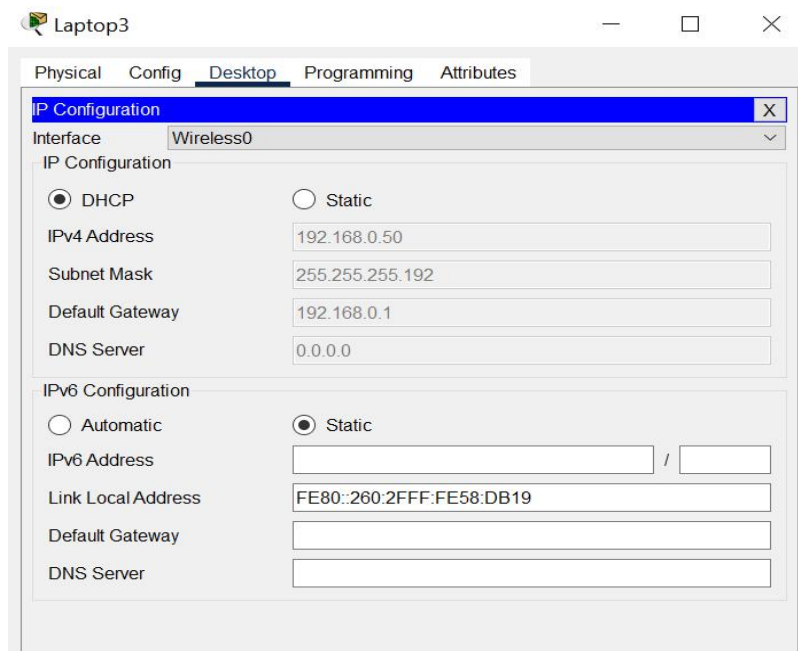


### Wireless LAN network setup.

Go to setup option and enable dhcp service and change starting ip and users that connect to network



In this we will Check that the wireless devices get their ip or not



Physical Config **Desktop** Programming Attributes

## IP Configuration

X

Interface Wireless0

## IP Configuration

☒ DHCP☐ Static

IPv4 Address

192.168.0.51

Subnet Mask

255.255.255.192

Default Gateway

192.168.0.1

DNS Server

0.0.0.0

## IPv6 Configuration

☐ Automatic☒ Static

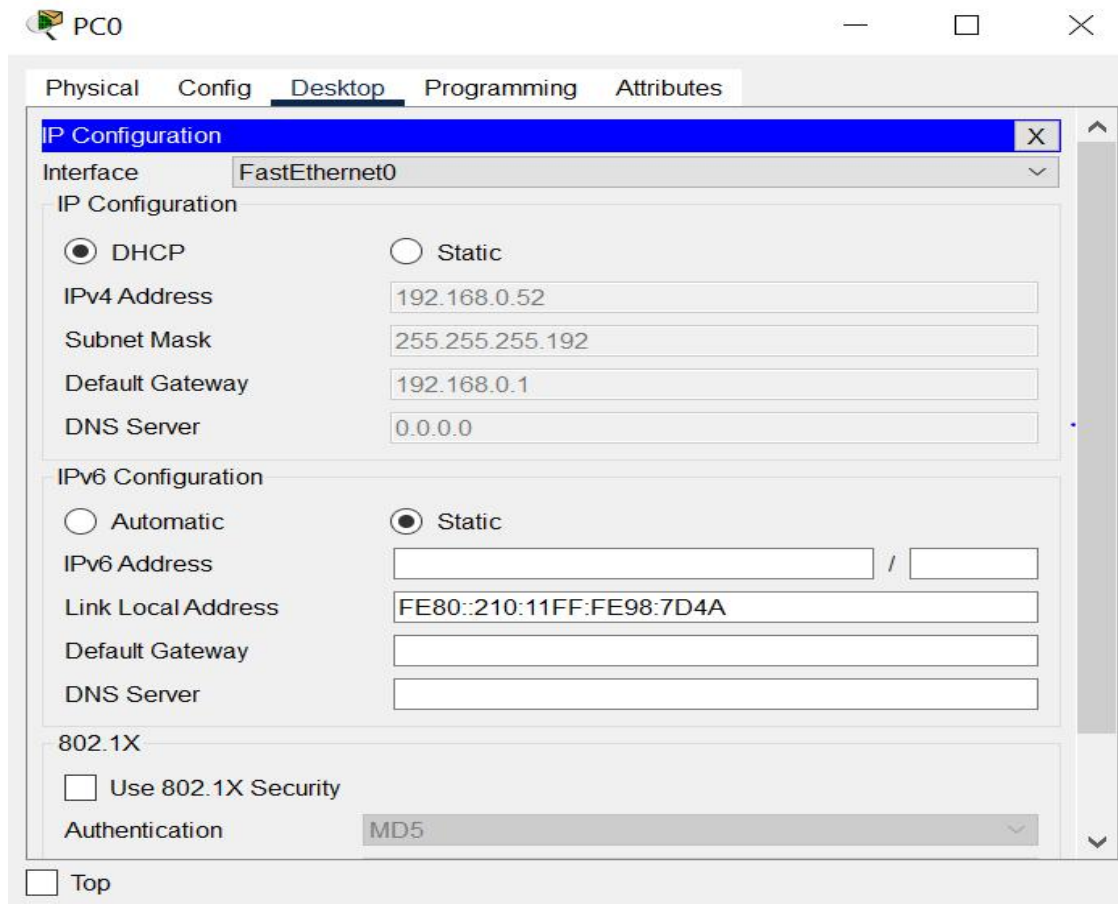
IPv6 Address

Link Local Address

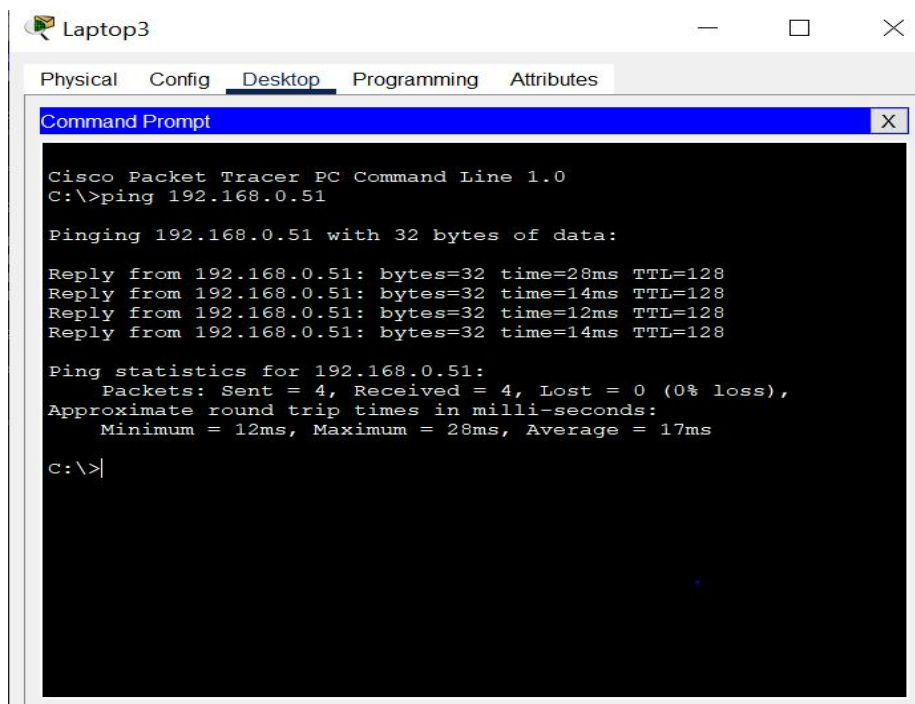
FE80::2E0:F9FF:FEB2:863E

Default Gateway

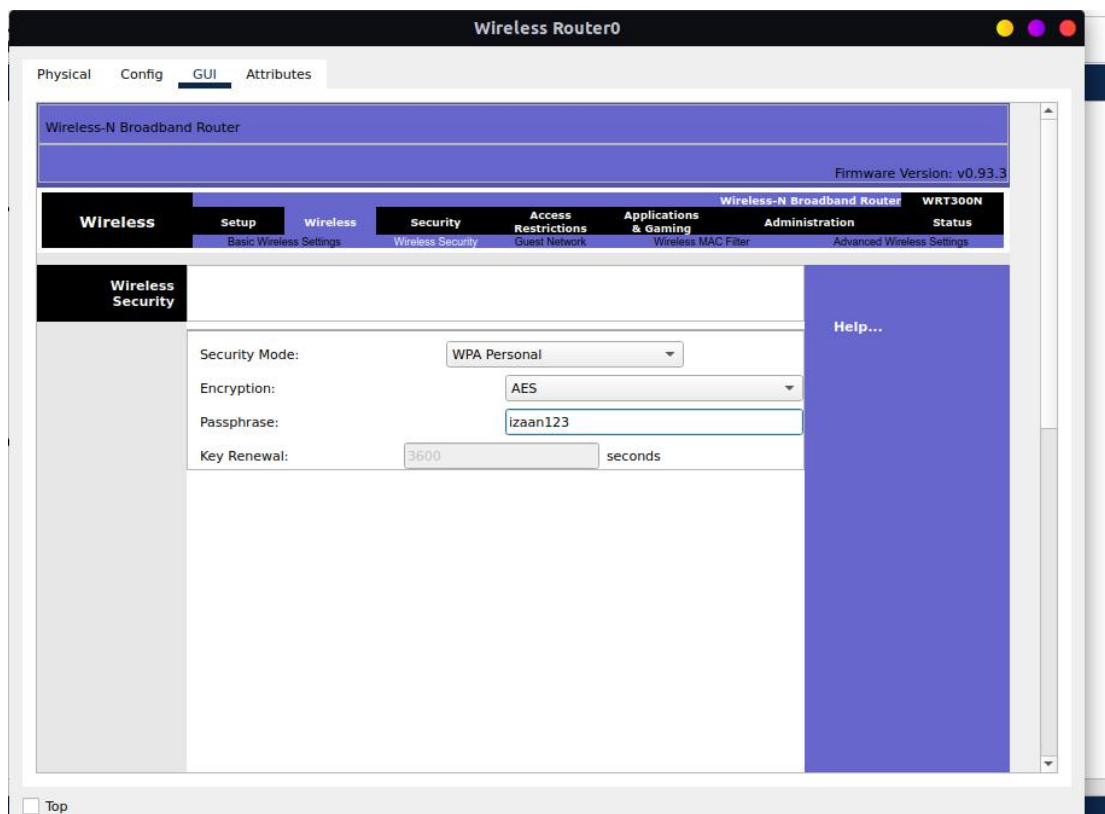
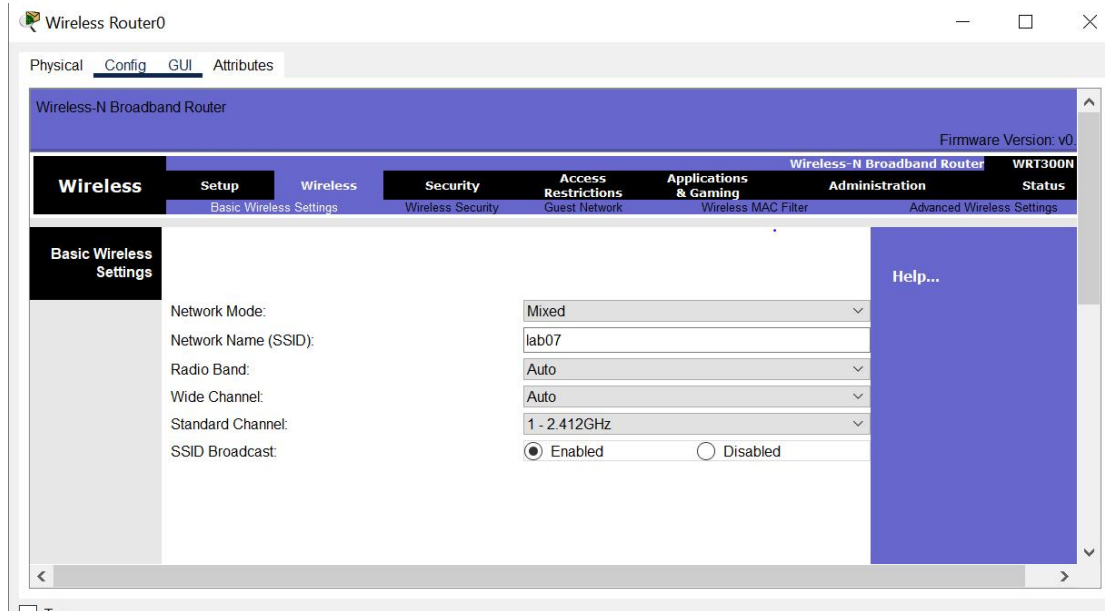
DNS Server



Now in this we will ping from one computer to another.



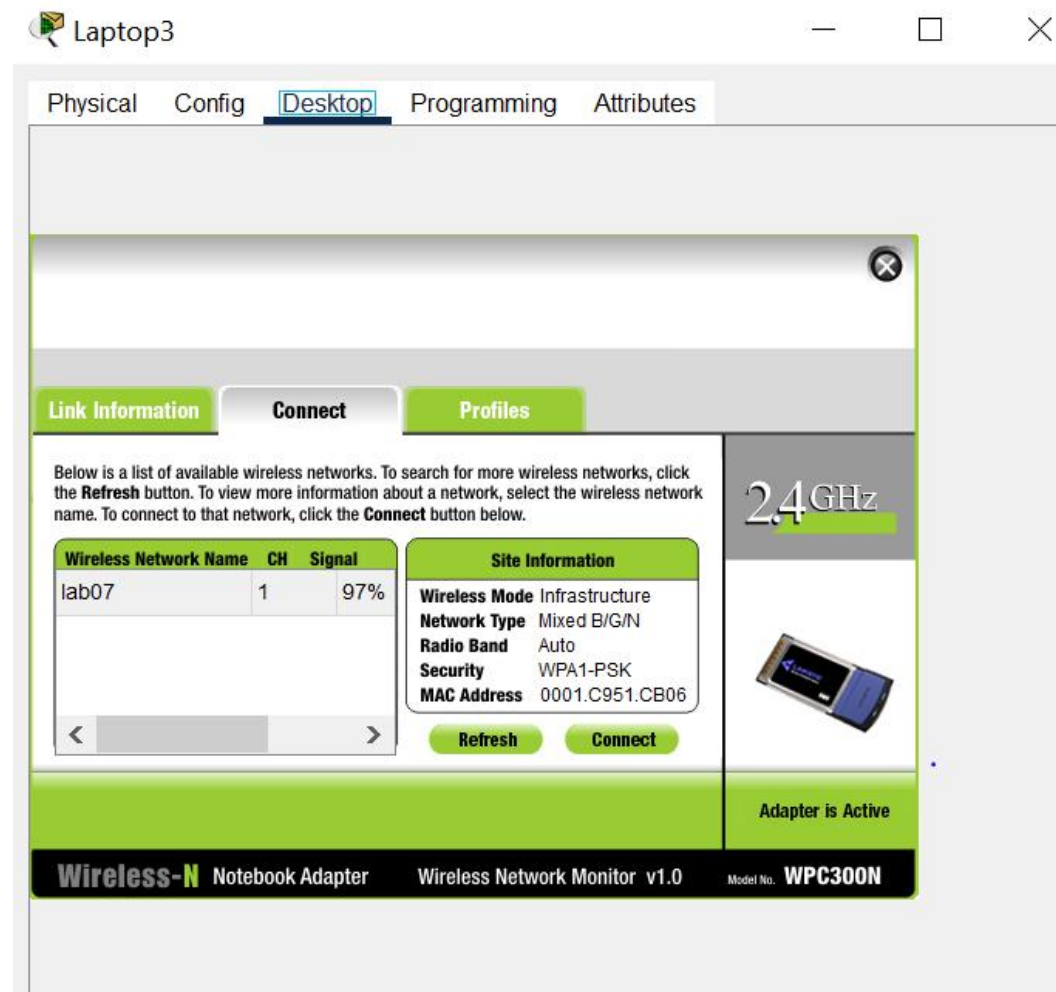
- **Securing a wireless network with WPA and WEP security features.**



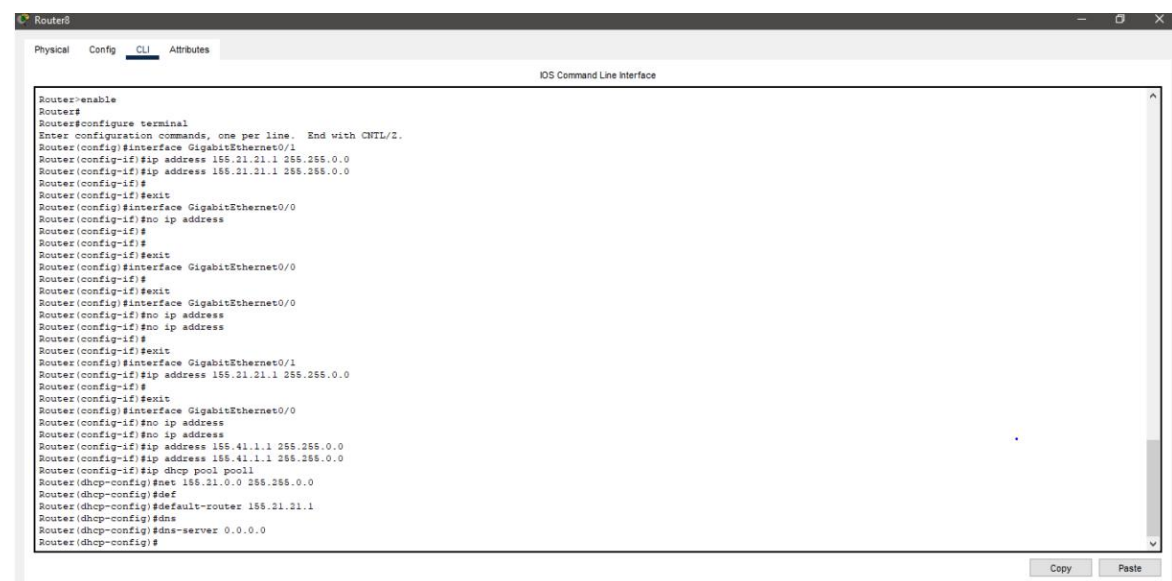
we must reconnect them by entering a password into the wifi settings, connecting, and

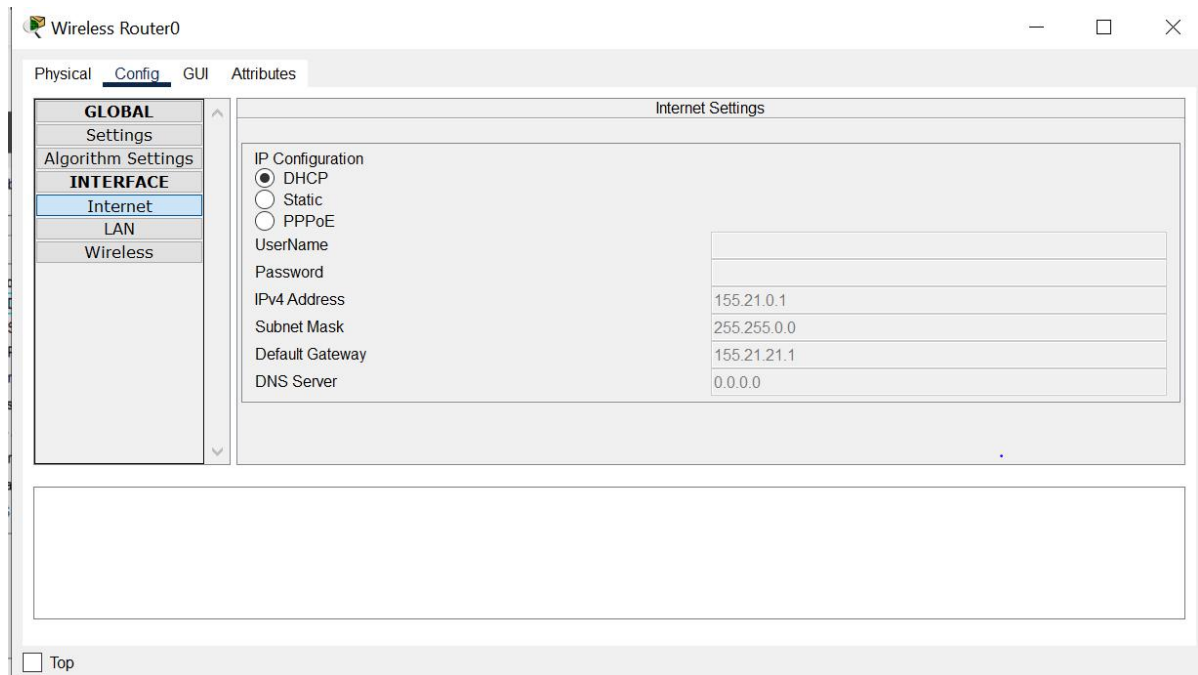


searching for available networks.



Now setting device that connected to out ips (internet service provider) to assign ips dynamically





And in last we will able to open the cisco in web browser.

