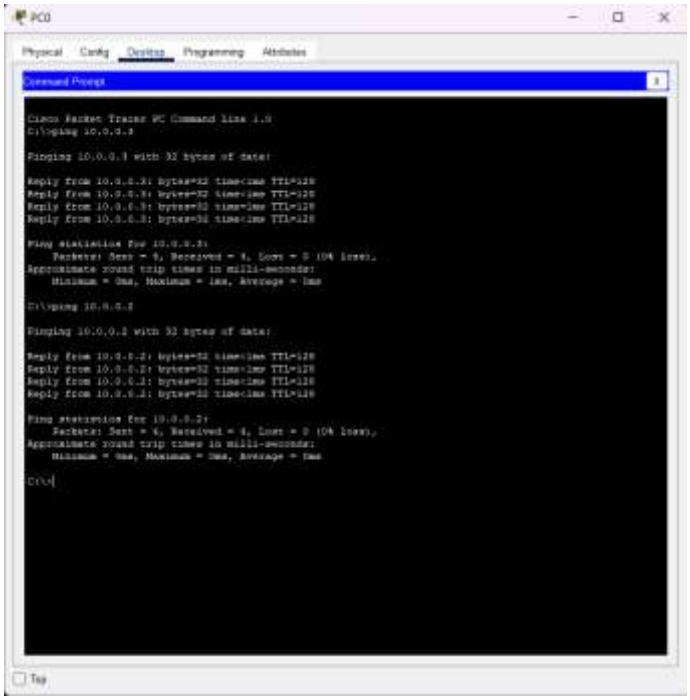
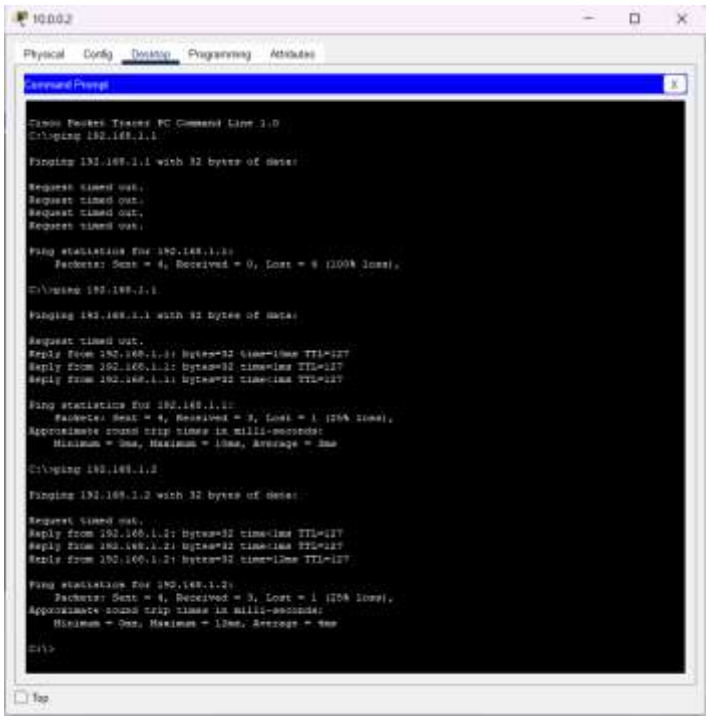
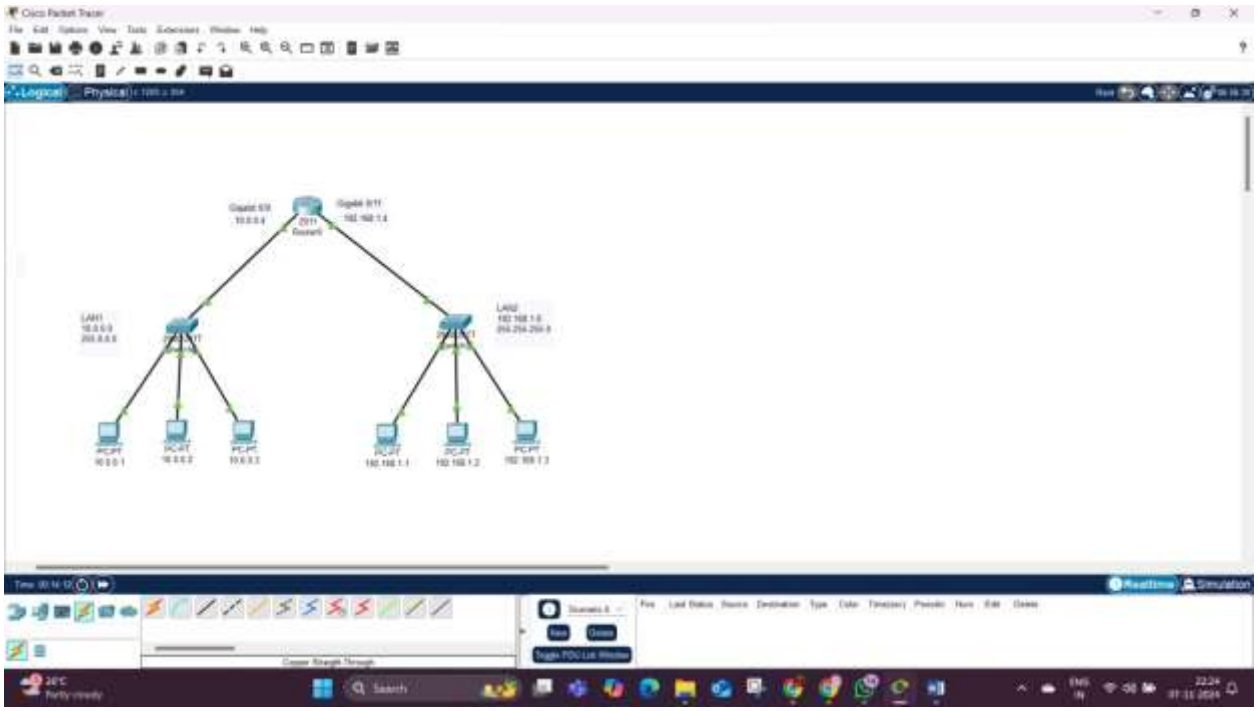
EXPERIMENT – 10

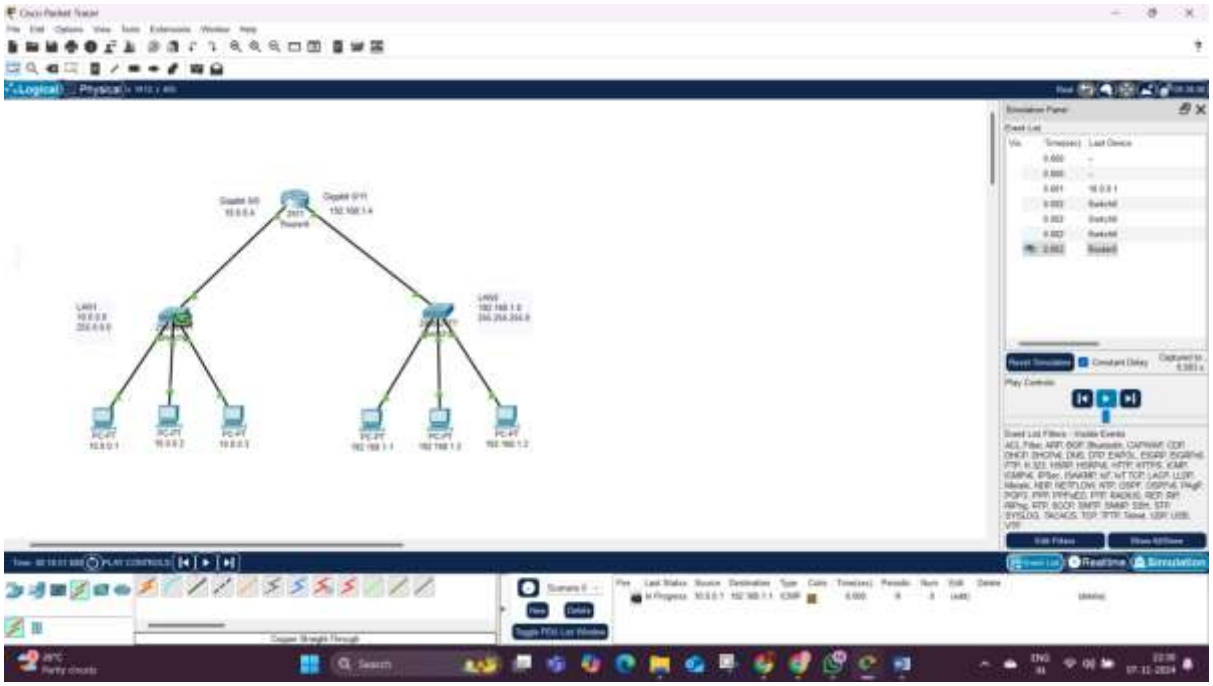
AIM: - a) Internetworking with routers in CISCO PACKET TRACER simulator.

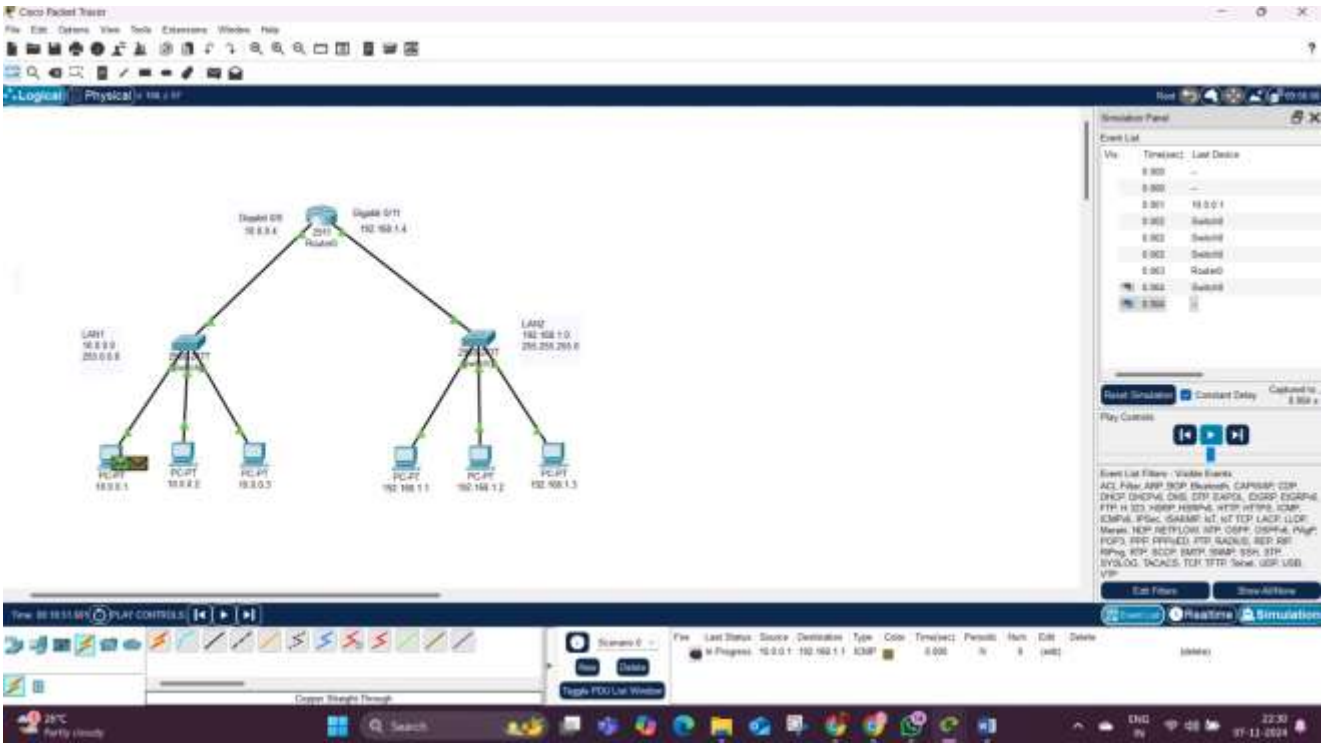
OUTPUT: -

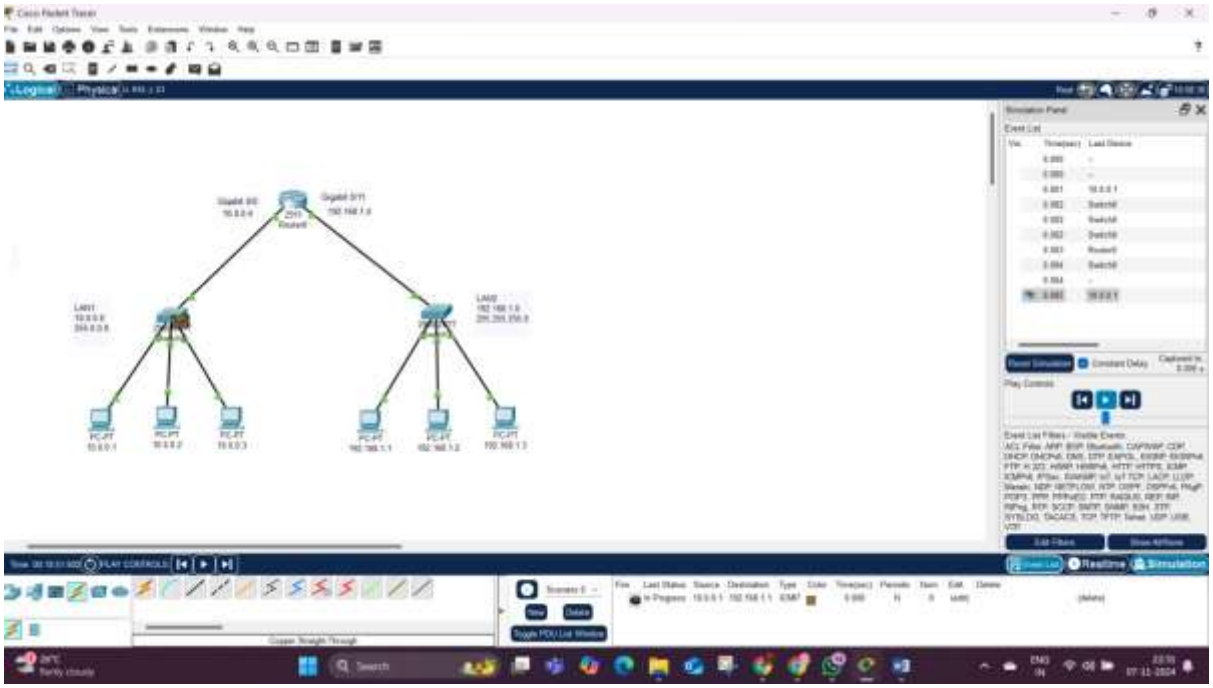


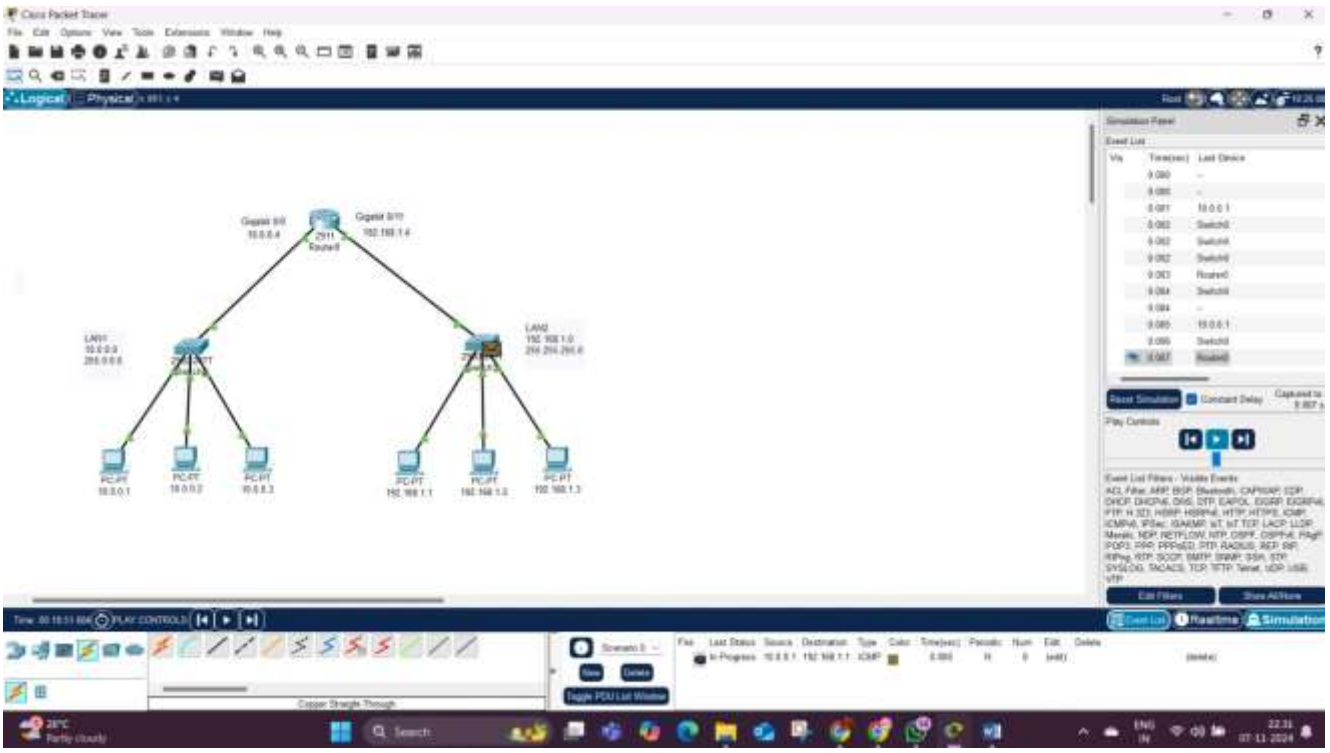


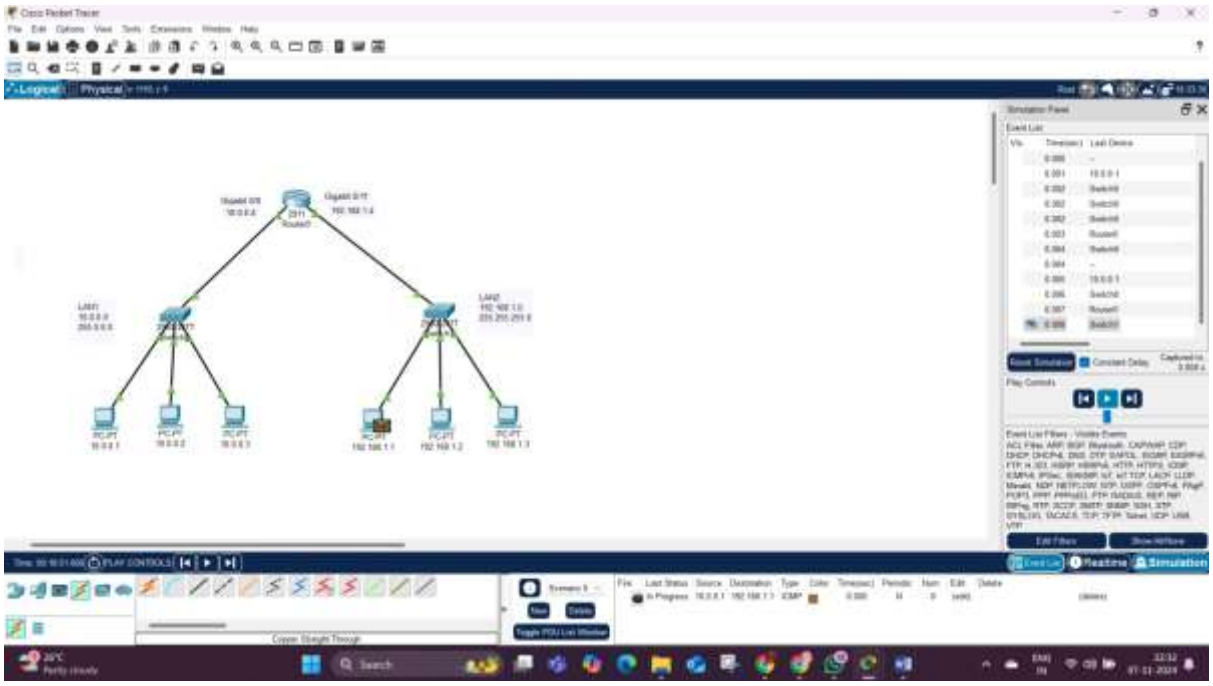


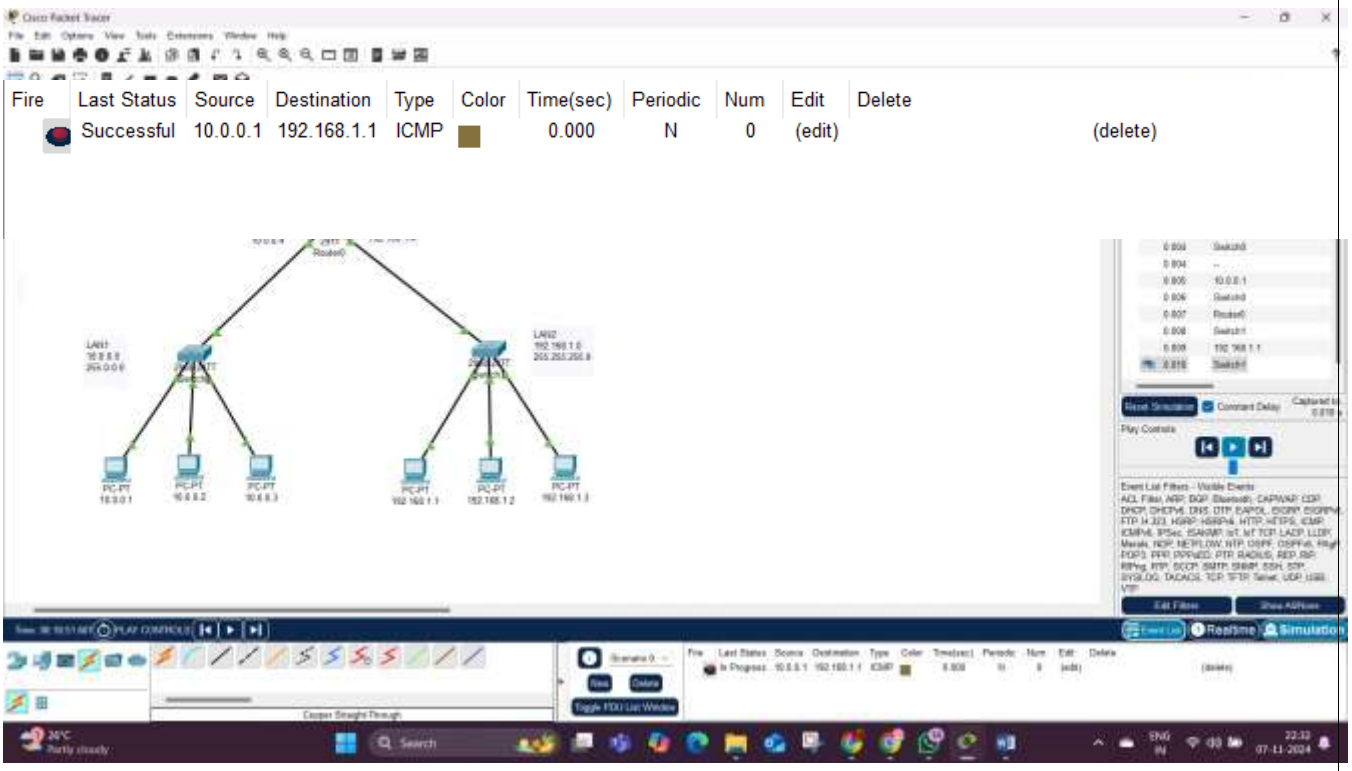








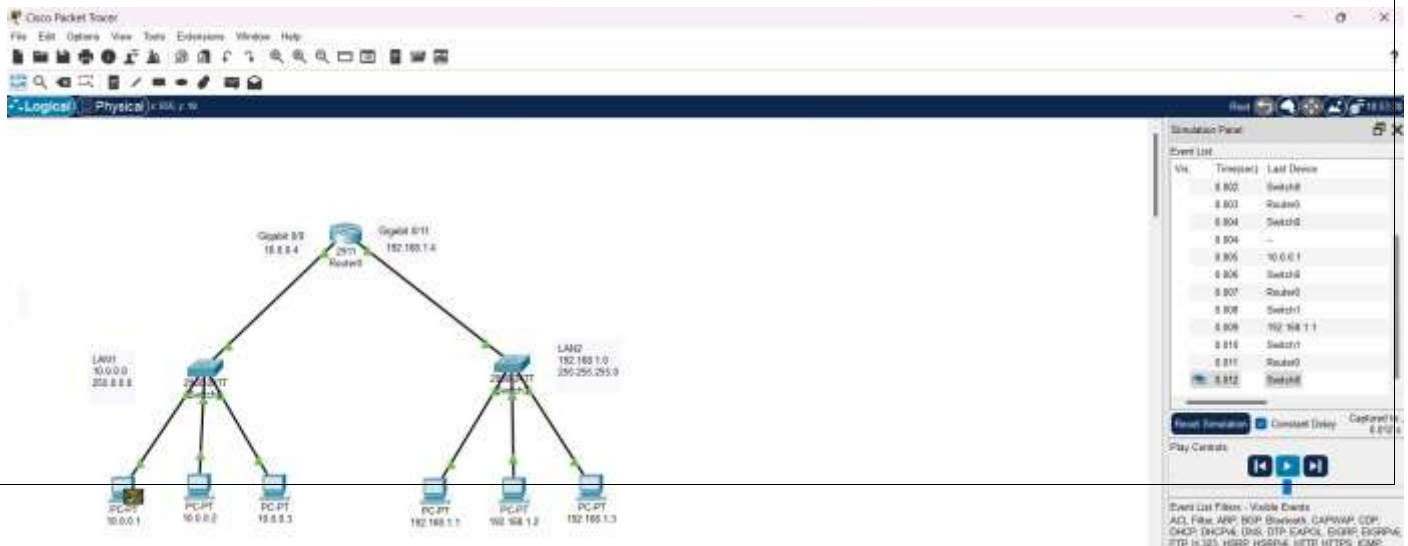




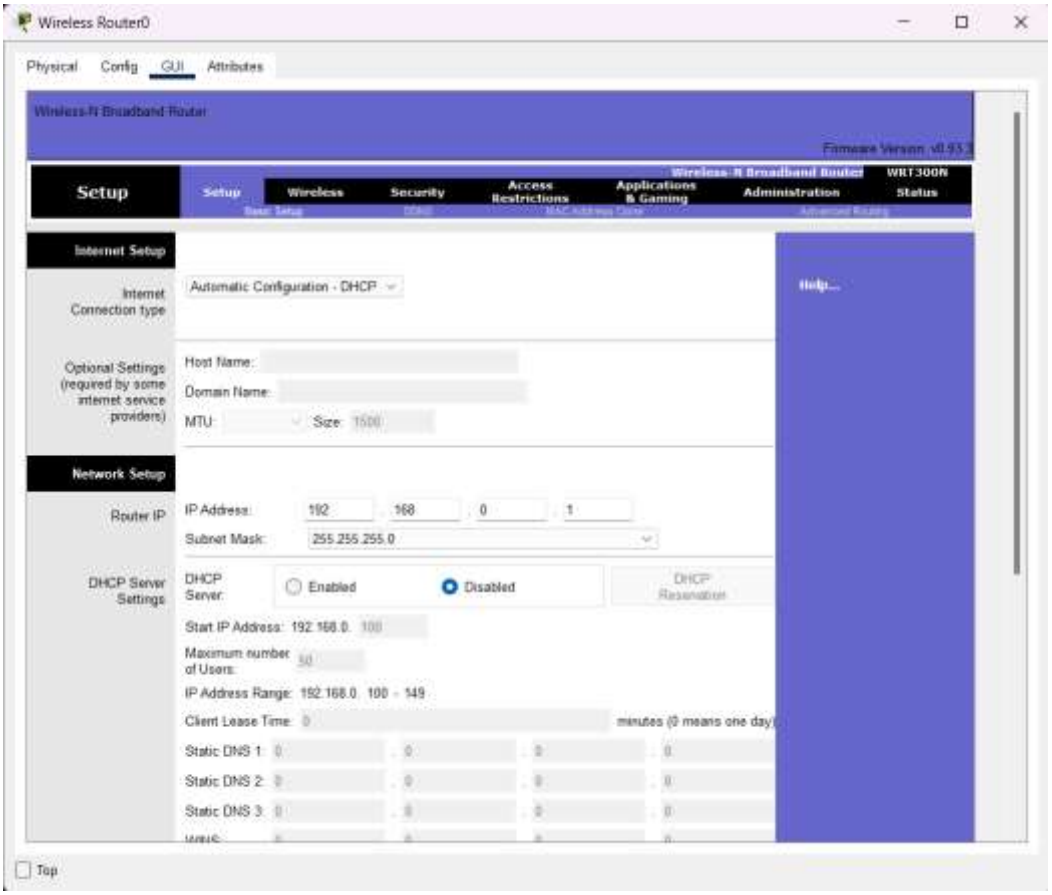
RESULT: -

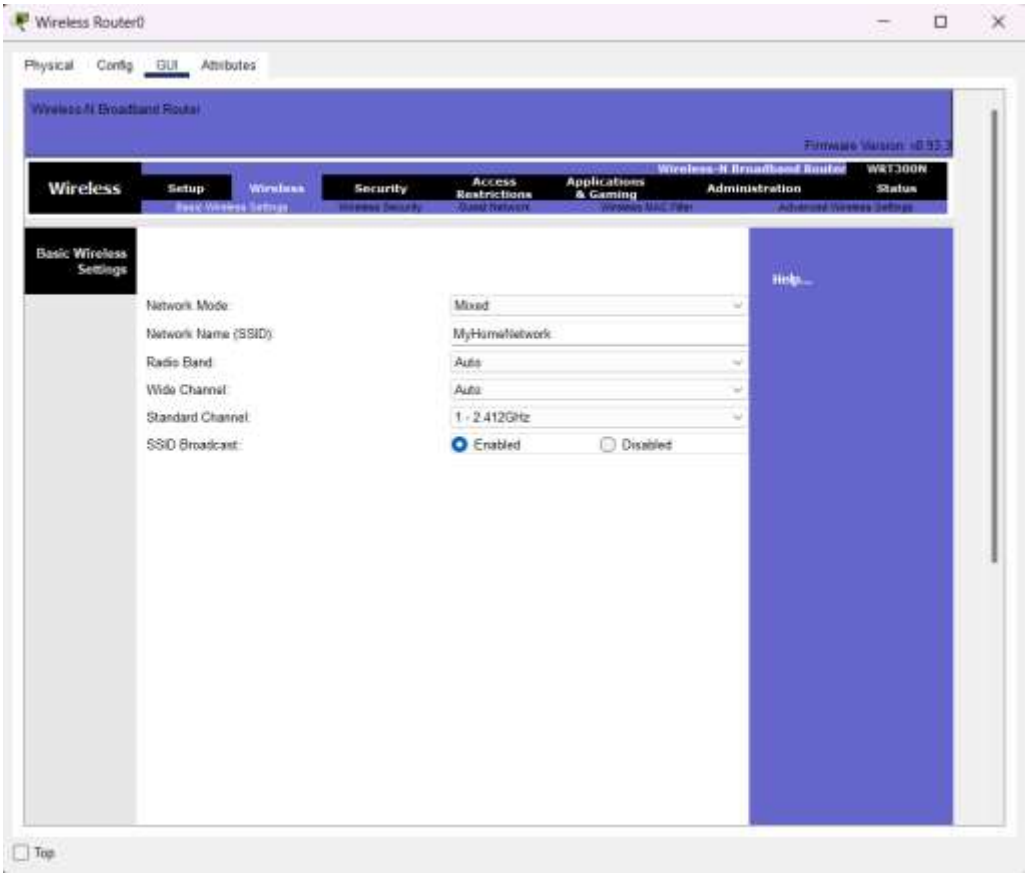
Router have been successfully done in CISCO PACKET TRACER.

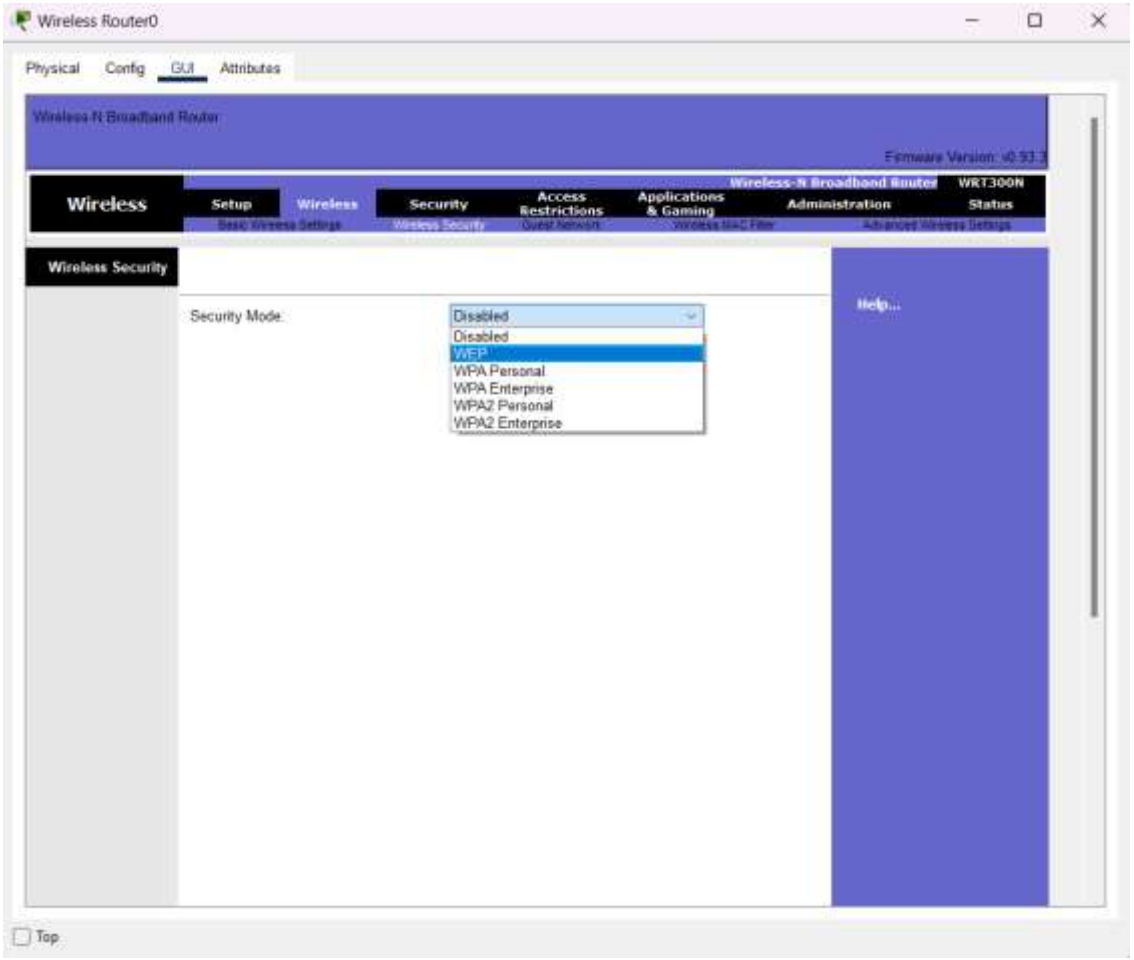
AIM: - b) Design and configure an internetwork using wireless router, DHCP server and internet cloud.

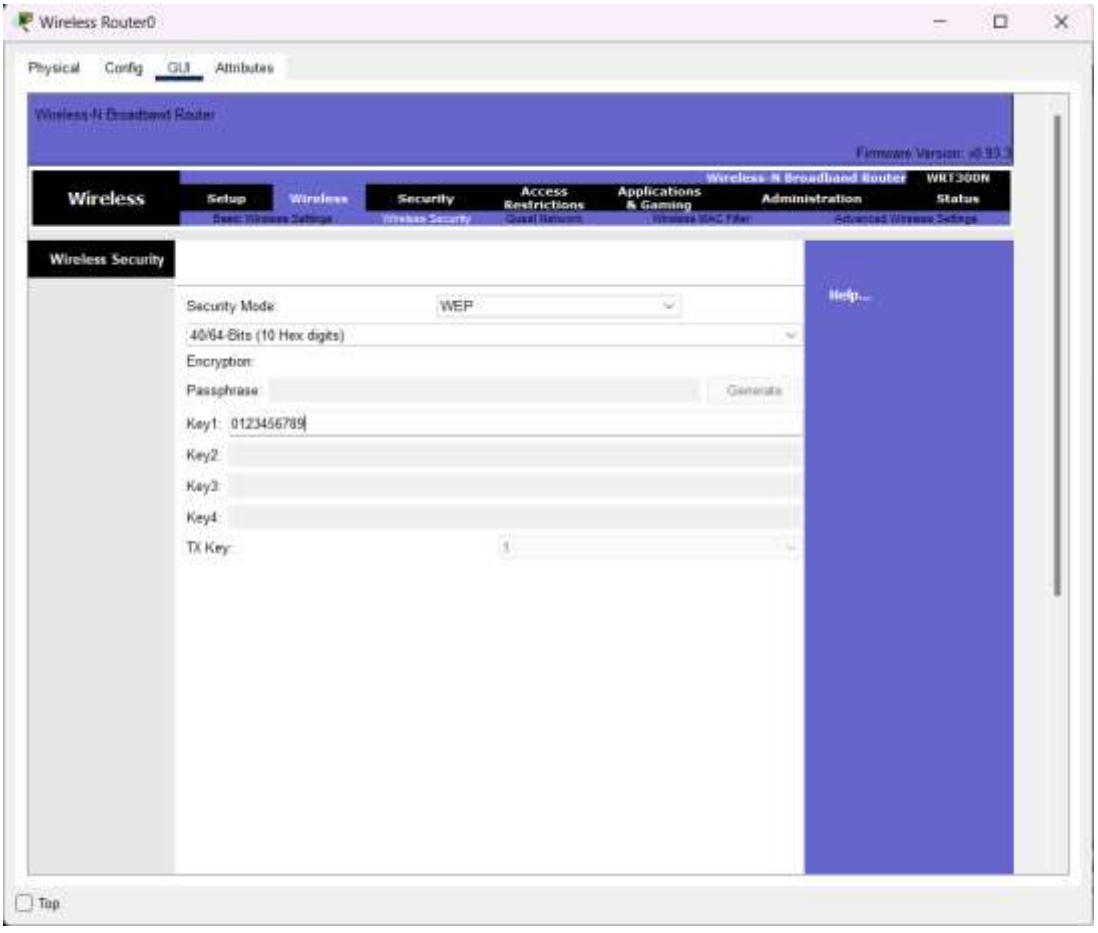


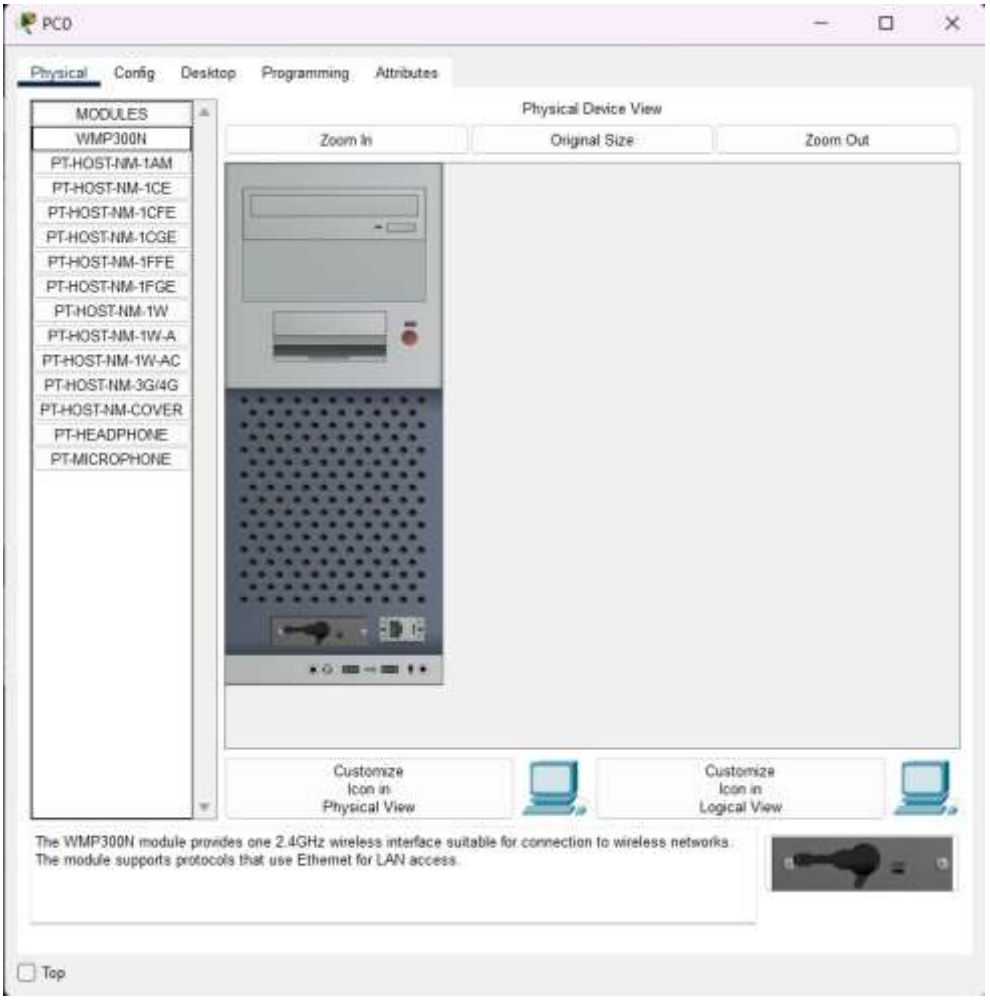
OUTPUT: -

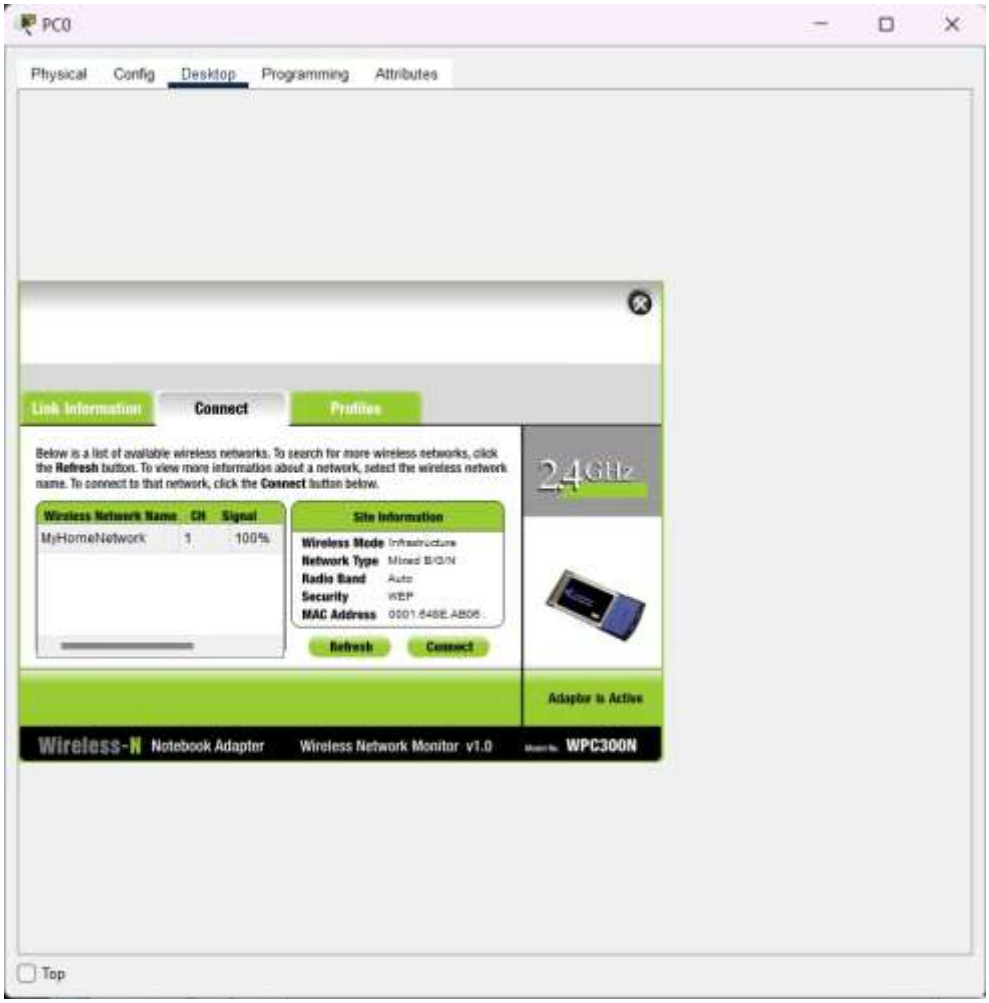

Wireless Router0
Physical
Config
GUI
Attributes
Wireless-N Broadband Router
Setup
Wireless
Security
Access Restrictions
Applications & Gaming
Administration
Status
Internet Setup
Internet Connection type
Automatic Configuration - DHCP
Optional Settings (required by some internet service providers)
Host Name:
Domain Name:
MTU:
Size:
Network Setup
Router IP
IP Address:
Subnet Mask:
255.255.255.0
DHCP Server Settings
DHCP Server:
Enabled
Disabled
DHCP Reservation
Start IP Address:
Maximum number of Users:
IP Address Range:
Client Lease Time:
minutes (0 means one day)
Static DNS 1:
Static DNS 2:
Static DNS 3:
Help...
Top

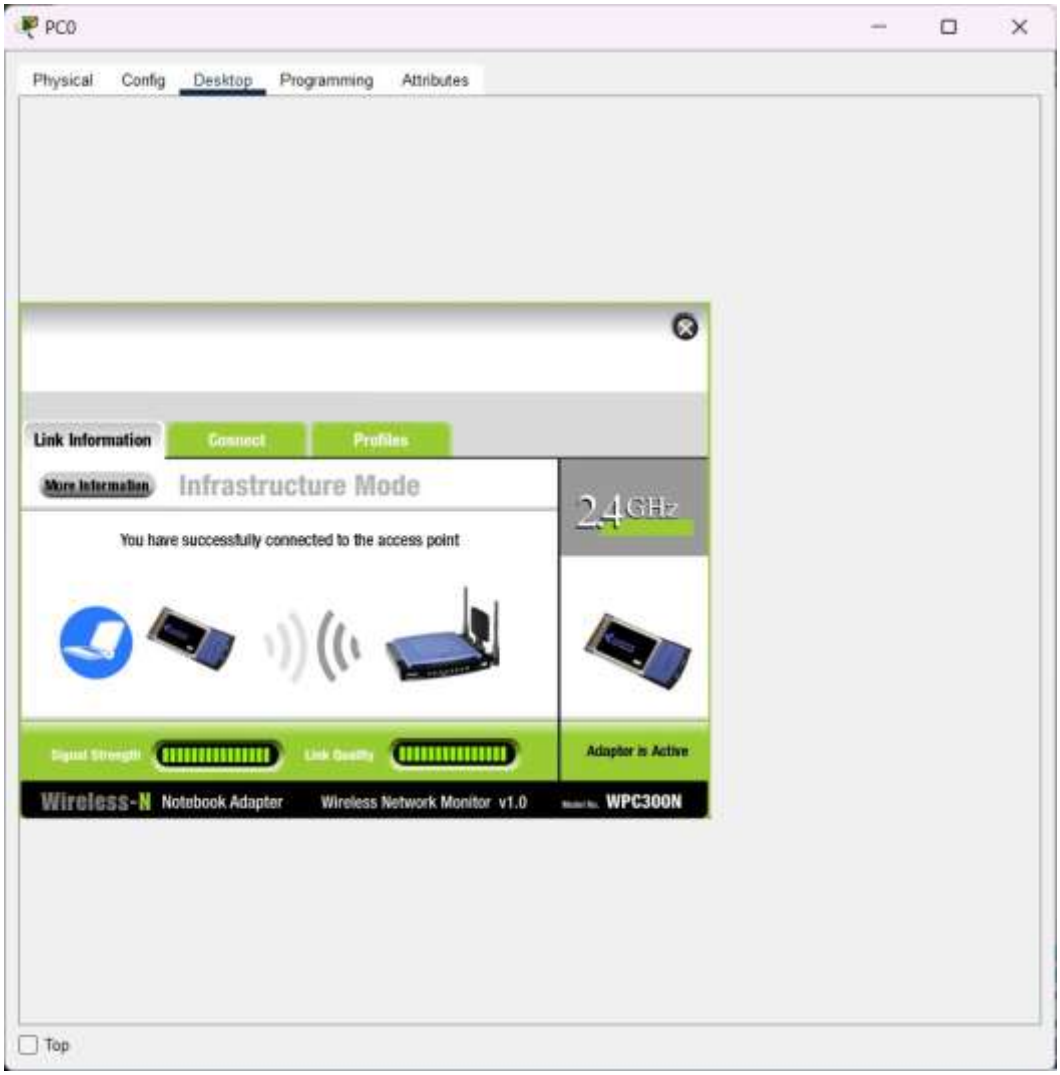

Wireless Router0
Physical
Config
GUI
Attributes
Wireless-N Broadband Router
Wireless
Setup
Wireless
Security
Access Restrictions
Applications & Gaming
Administration
Status
Basic Wireless Settings
Basic Wireless Settings
Network Mode:
Mixed
Network Name (SSID):
MyHomeNetwork
Radio Band:
Auto
Wide Channel:
Auto
Standard Channel:
1 - 2.412GHz
SSID Broadcast:
Enabled
Disabled
Help...
Top

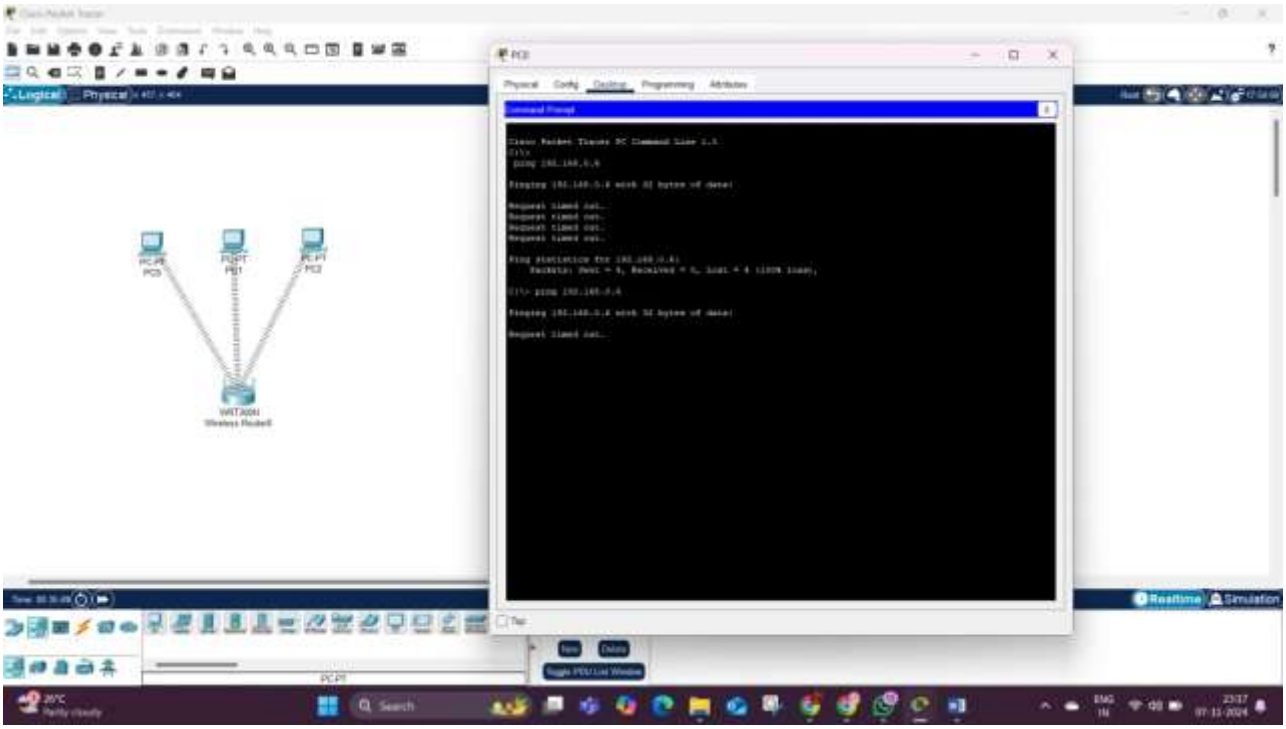

Wireless Router0
Physical
Config
GUI
Attributes
Wireless-N Broadband Router
Wireless
Setup
Wireless
Security
Access Restrictions
Applications & Gaming
Administration
Status
Wireless Security
Security Mode:
Disabled
Disabled
WEP
WPA Personal
WPA Enterprise
WPA2 Personal
WPA2 Enterprise
Help...
Top


Wireless Router0
Physical
Config
GUI
Attributes
Wireless-N Broadband Router
Wireless
Setup
Wireless
Security
Access Restrictions
Applications & Gaming
Administration
Status
Wireless Security
Security Mode:
WEP
40/64-Bits (10 Hex digits)
Encryption:
Passphrase:
Generate
Key1: 0123456789
Key2:
Key3:
Key4:
TX Key:
Help...
Top


PC0
Physical
Config
Desktop
Programming
Attributes
MODULES
WMP300N
PT-HOST-NM-1AM
PT-HOST-NM-1CE
PT-HOST-NM-1CFE
PT-HOST-NM-1CGE
PT-HOST-NM-1FFE
PT-HOST-NM-1FGE
PT-HOST-NM-1W
PT-HOST-NM-1W-A
PT-HOST-NM-1W-AC
PT-HOST-NM-3G/4G
PT-HOST-NM-COVER
PT-HEADPHONE
PT-MICROPHONE
Physical Device View
Zoom In
Original Size
Zoom Out
Customize Icon in Physical View
Customize Icon in Logical View
The WMP300N module provides one 2.4GHz wireless interface suitable for connection to wireless networks. The module supports protocols that use Ethernet for LAN access.
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Link Information
Connect
Profiles
Below is a list of available wireless networks. To search for more wireless networks, click the Refresh button. To view more information about a network, select the wireless network name. To connect to that network, click the Connect button below.
Wireless Network Name
CH
Signal
MyHomeNetwork
1
100%
Site Information
Wireless Mode
Network Type
Radio Band
Security
MAC Address
Refresh
Connect
2.4GHz
Adaptor is Active
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Link Information
Connect
Profiles
More Information
Infrastructure Mode
2.4GHz
You have successfully connected to the access point
Signal Strength
Link Quality
Adapter is Active
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Top



RESULT: -

Wireless Router have been successfully done in CISCO PACKET TRACER.