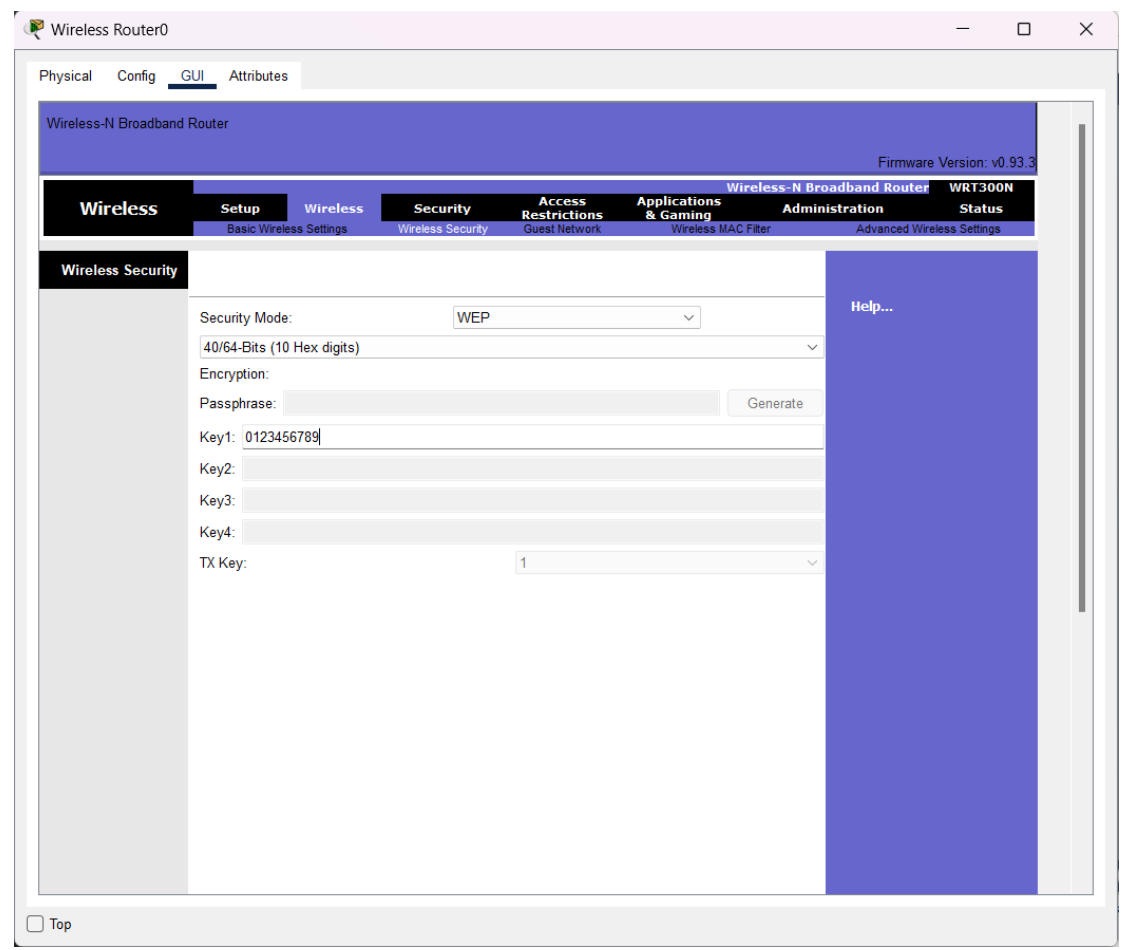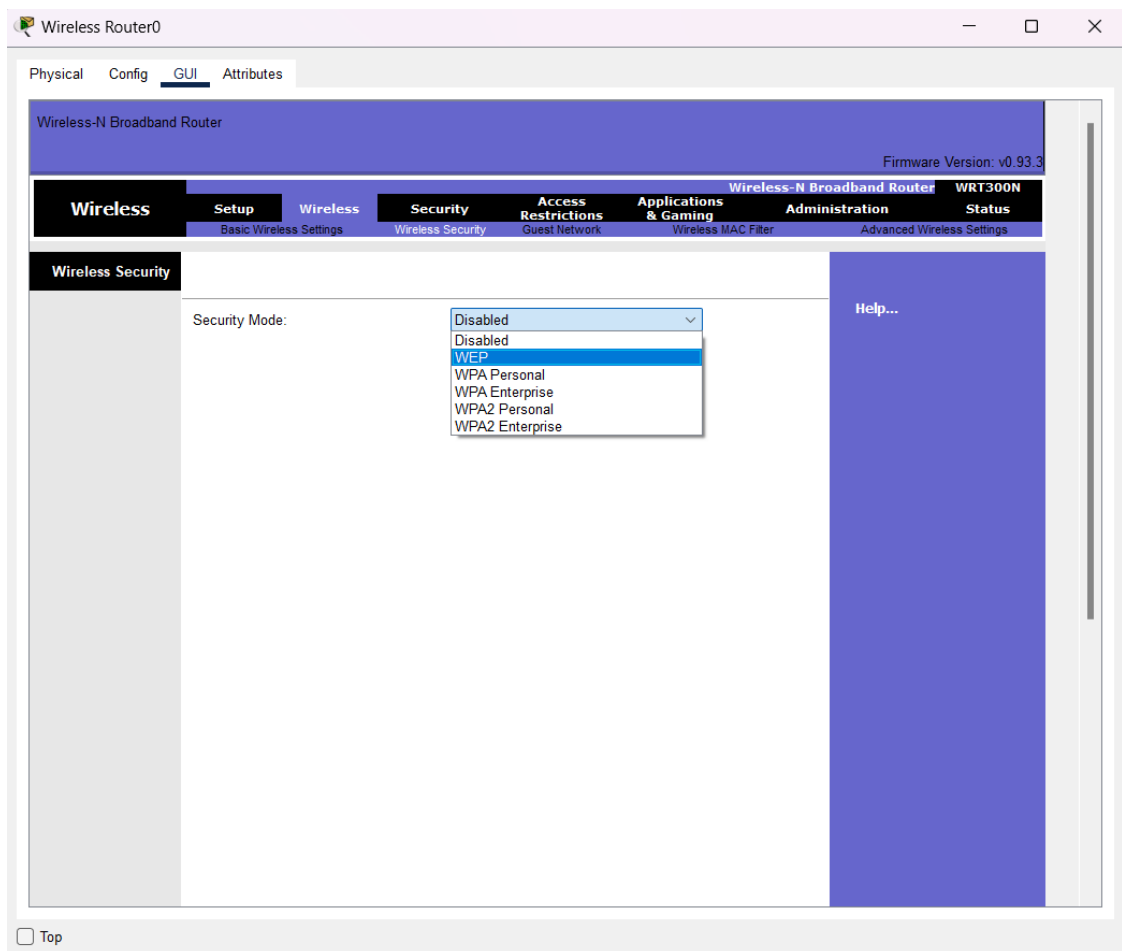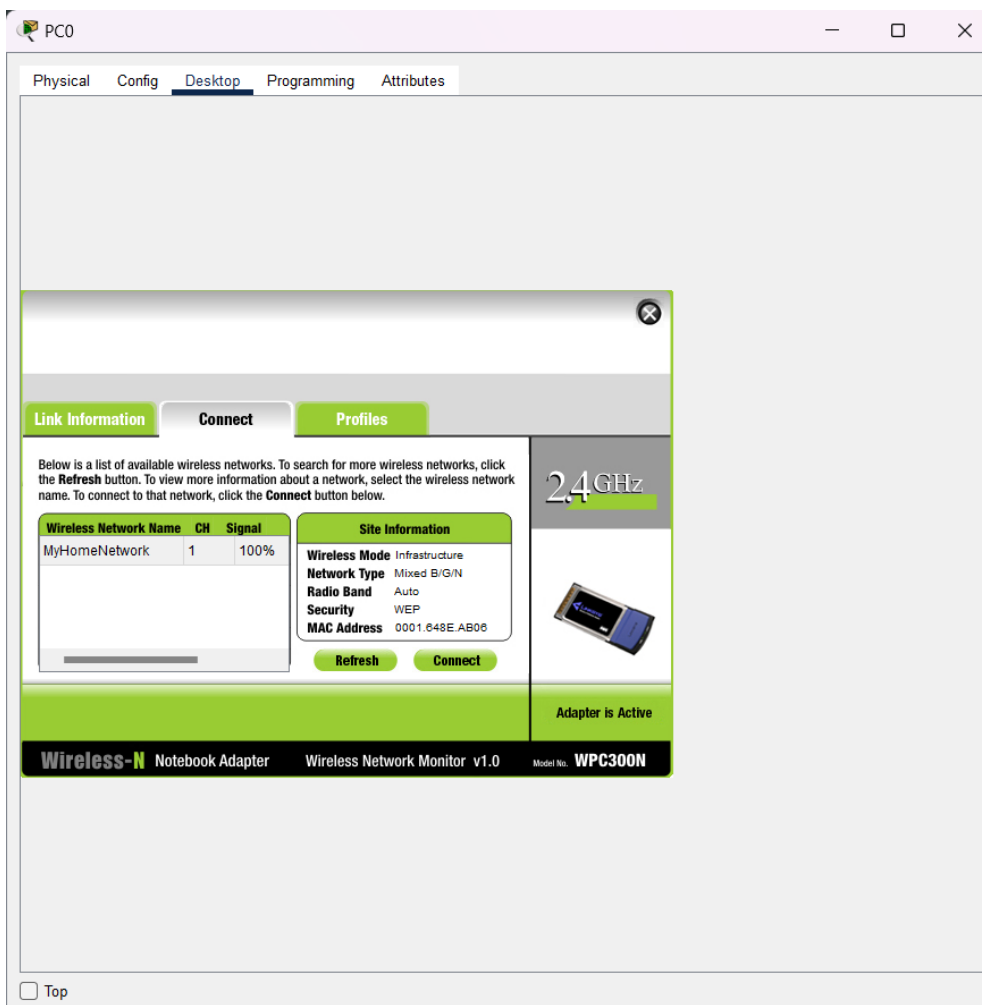**AIM:** - b) Design and configure an internetwork using wireless router, DHCP server and internet cloud.
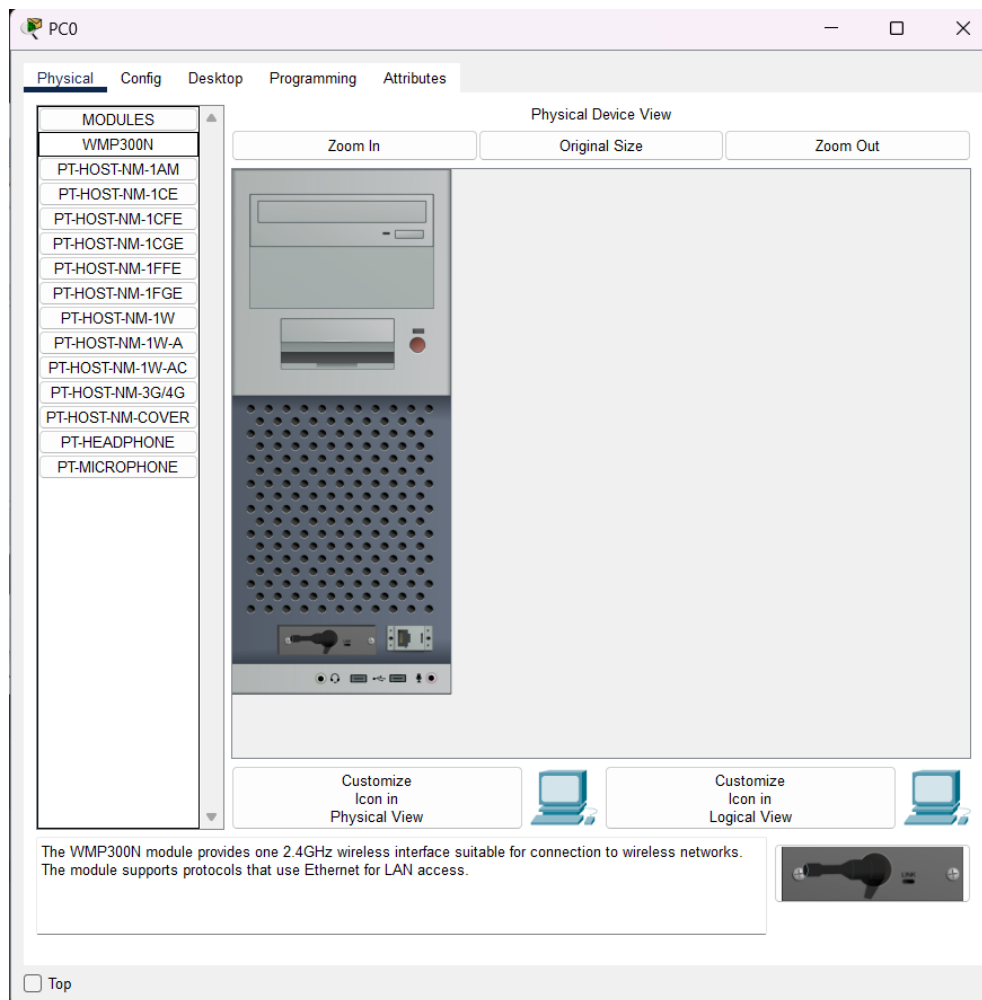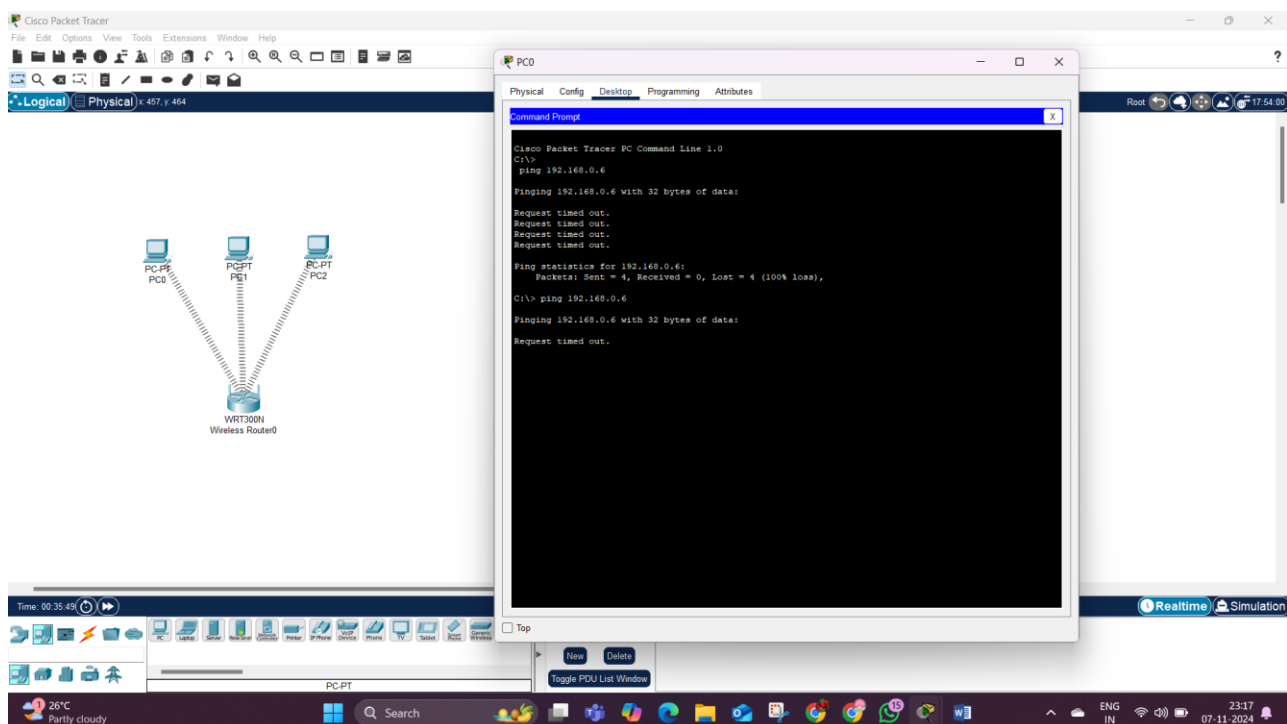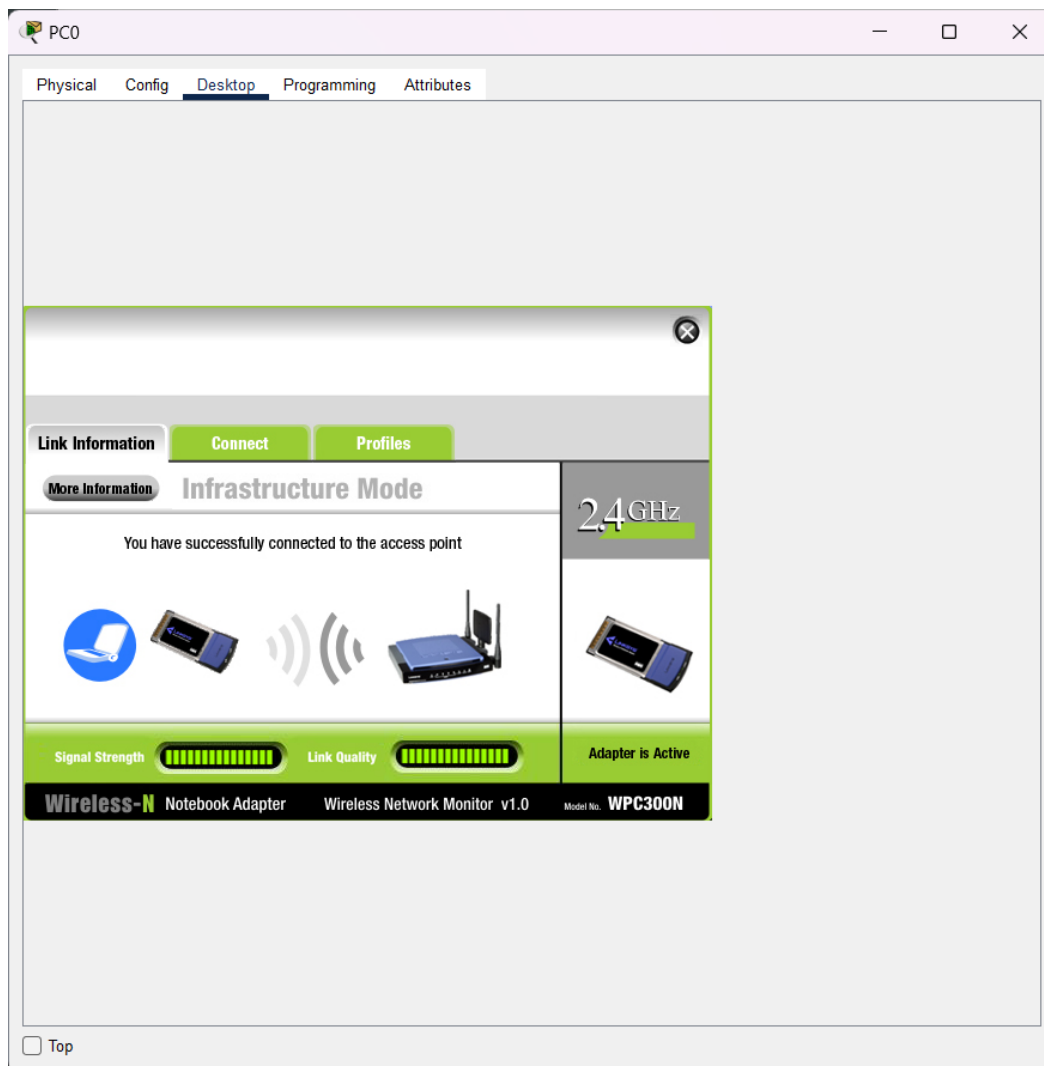
OUTPUT: -

Wireless Router0

Physical   Config   GUI   Attributes

Wireless-N Broadband Router

Firmware Version: v0.93.3

Wireless	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Administration	Status

Wireless-N Broadband Router   WRT300N

Basic Wireless Settings   Wireless Security   Guest Network   Wireless MAC Filter   Advanced Wireless Settings

Wireless Security

Security Mode: | Disabled ▾ |

Disabled
WEP
WPA Personal
WPA Enterprise
WPA2 Personal
WPA2 Enterprise

Help...

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Wireless Router0

Physical   Config   GUI   Attributes

Wireless-N Broadband Router

Firmware Version: v0.93.3

Wireless	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Administration	Status

Wireless-N Broadband Router   WRT300N

Basic Wireless Settings   Wireless Security   Guest Network   Wireless MAC Filter   Advanced Wireless Settings

Wireless Security

Security Mode: | WEP ▾ |

| 40/64-Bits (10 Hex digits) ▾ |

Encryption:

Passphrase: | | | Generate |

Key1: | 0123456789 |

Key2: | |

Key3: | |

Key4: | |

TX Key: | 1 ▾ |

Help...

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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.

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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.

2.4 GHz

Wireless Network Name	CH	Signal
MyHomeNetwork	1	100%

Site Information

Wireless Mode	Infrastructure
Network Type	Mixed B/G/N
Radio Band	Auto
Security	WEP
MAC Address	0001.648E.AB06

Refresh | Connect

Adapter is Active

Wireless-N Notebook Adapter   Wireless Network Monitor v1.0   Model No. **WPC300N**

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RESULT: -
Wireless Router have been successfully done in CISCO PACKET TRACER.