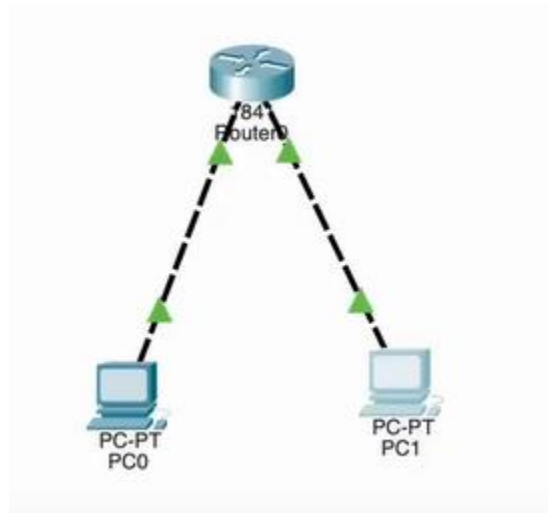


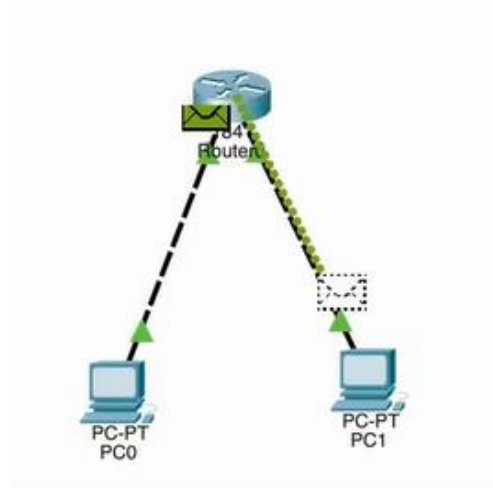
EX.NO:11

INTERNETWORKING WITH ROUTERS IN CISCO PACKET TRACER

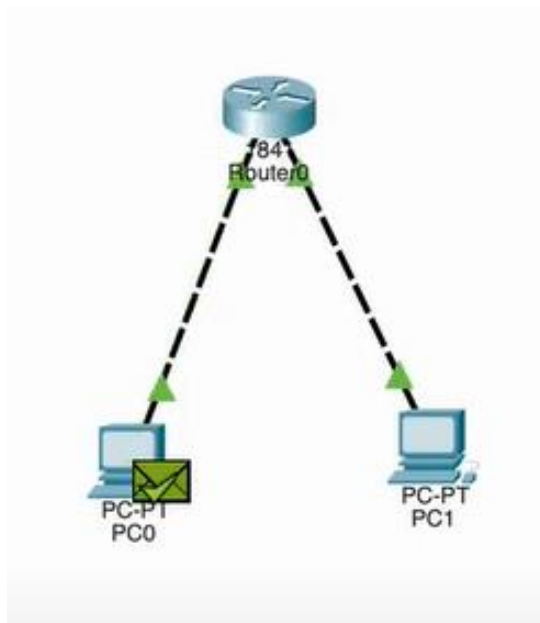
(11a).To design and configure simple network topology



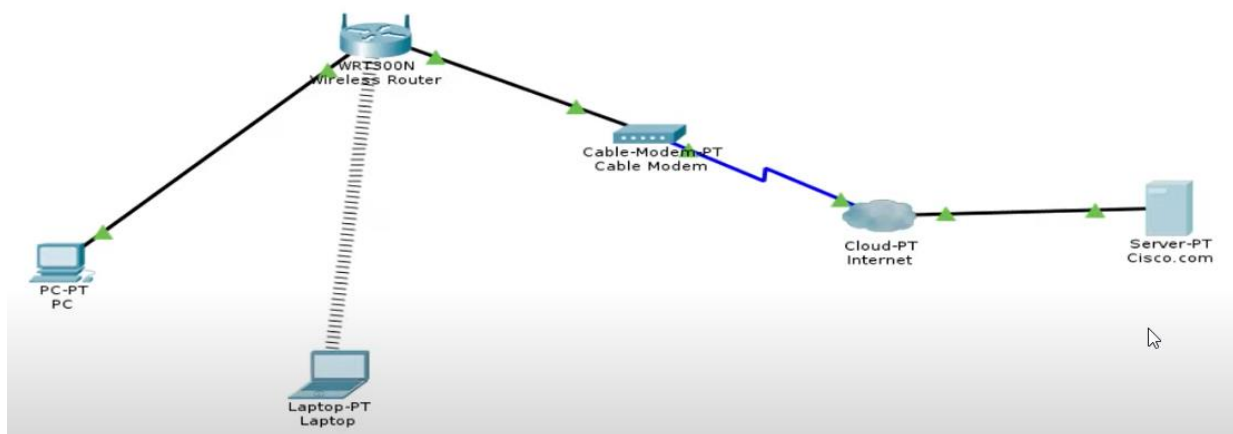
Sending pdu from pc0 to pc1



Acknowledgement is received from pc1 to pc0



(11b). design and configure an internetwork using wireless router, DHCP server and internet cloud



| | |
|----------------------|--------------|
| Network Mode: | Mixed |
| Network Name (SSID): | HomeNetwork |
| Radio Band: | Auto |
| Wide Channel: | Auto |
| Standard Channel: | 1 - 2.412GHz |

```
C:\>ipconfig /all
```

```
FastEthernet0 Connection: (default port)
```

```
Connection-specific DNS Suffix...:
```

```
Physical Address.....: 000C.85AB.9B39
```

```
Link-local IPv6 Address.....: FE80::20C:85FF:FEAB:9B39
```

```
IPv6 Address.....: ::
```

```
IPv4 Address.....: 192.168.0.3
```

```
Subnet Mask.....: 255.255.255.0
```

```
Default Gateway.....: ::
```

```
192.168.0.1
```

```
DHCP Servers.....: 0.0.0.0
```

```
DHCPv6 IAID.....:
```

```
DHCPv6 Client DUID.....: 00-01-00-01-14-0E-50-42-00-0C-85-AB-9B-39
```

```
DNS Servers.....: ::
```

```
208.67.220.220
```

```
Bluetooth Connection:
```

```
Connection-specific DNS Suffix...:
```

```
Physical Address.....: 00E0.F9DA.5131
```

```
Link-local IPv6 Address.....: ::
```

```
IPv6 Address.....: ::
```

```
IPv4 Address.....: 0.0.0.0
```

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 |
|-----------------------|----|--------|
| HomeNetwork | 1 | 100% |

Site Information

Wireless Mode

Infrastructure

Network Type

Mixed B/G/N

Radio Band

Auto

Security

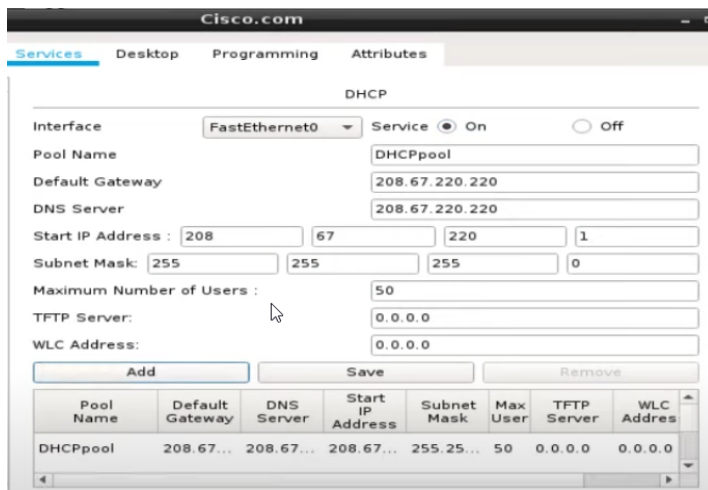
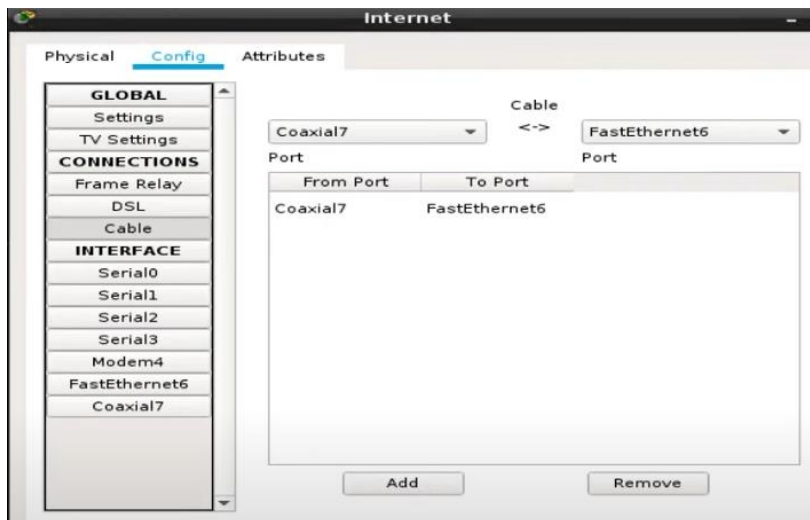
Disable

MAC Address

0060.7079.D206

Refresh

Connect



```
C:\>ipconfig /renew

IP Address.....: 192.168.0.101
Subnet Mask.....: 255.255.255.0
Default Gateway...: 192.168.0.1
DNS Server.....: 208.67.220.220
```

```
C:\>ping Cisco.com

Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=38ms TTL=127
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127
Reply from 208.67.220.220: bytes=32 time=13ms TTL=127

Ping statistics for 208.67.220.220:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 38ms, Average = 13ms
```

