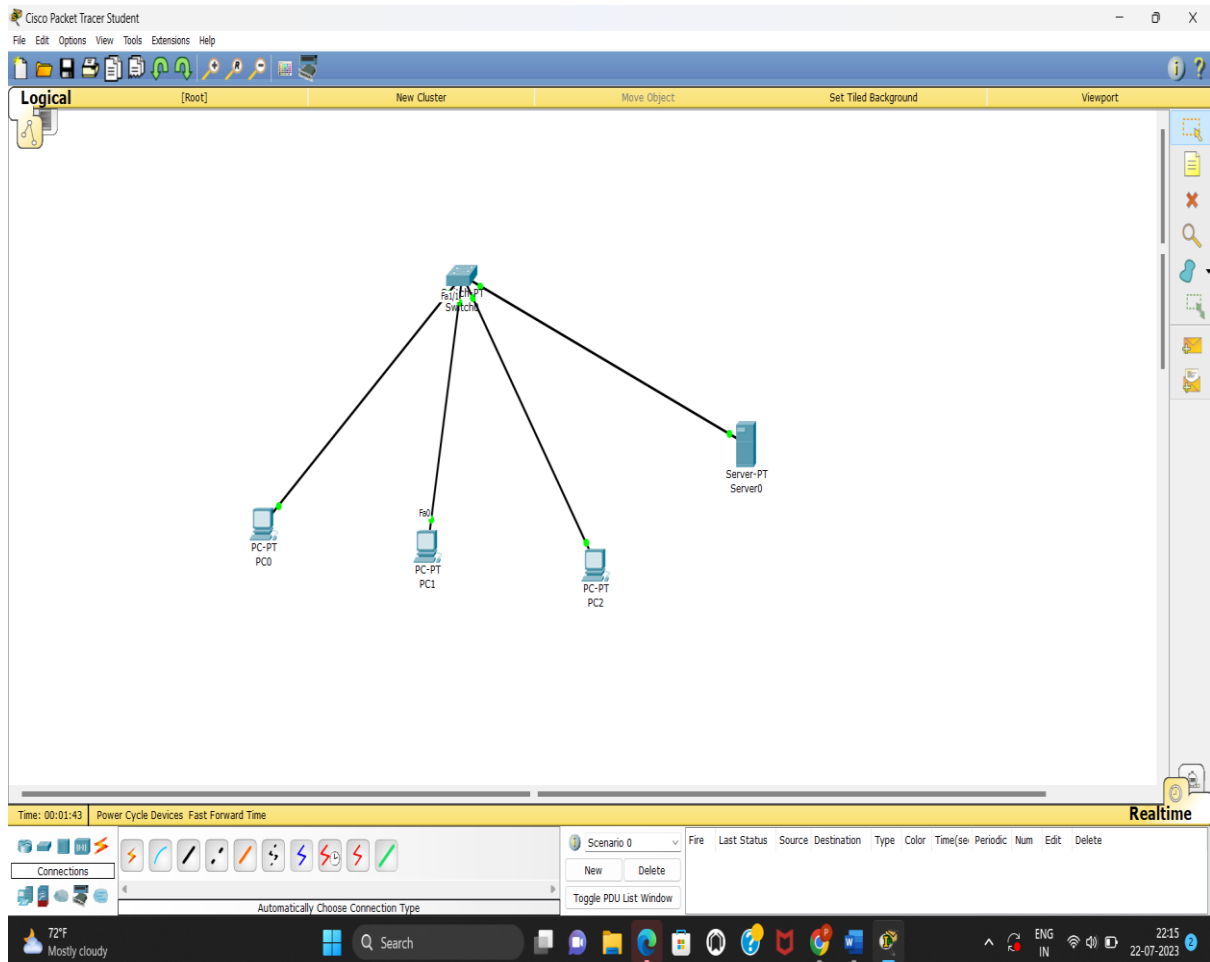# LAB PROGRAM-04

To configure DHCP routing for internal and external LAN.

PC2

Physical | Config | Desktop | Custom Interface

IP Configuration

IP Configuration

◉ DHCP   ○ Static   DHCP failed. APIPA is being used.

IP Address   169.254.198.49

Subnet Mask   255.255.0.0

Default Gateway

DNS Server

IPv6 Configuration

◉ DHCP ○ Auto Config ○ Static   DHCPv6 request failed.

IPv6 Address   /

Link Local Address   FE80::2D0:D3FF:FE2B:C631

IPv6 Gateway

IPv6 DNS Server

IP Configuration

IP Configuration

◉ DHCP   ○ Static   DHCP request successful.

IP Address   10.0.0.5

Subnet Mask   255.0.0.0

Default Gateway   10.0.0.1

DNS Server   0.0.0.0

IPv6 Configuration

◉ DHCP ○ Auto Config ○ Static

IPv6 Address   /

Link Local Address   FE80::290:21FF:FE91:6D59

IPv6 Gateway

IPv6 DNS Server

PC1

Physical | Config | Desktop | Custom Interface

Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 169.254.53.128

Pinging 169.254.53.128 with 32 bytes of data:

Reply from 169.254.53.128: bytes=32 time=0ms TTL=128
Reply from 169.254.53.128: bytes=32 time=0ms TTL=128
Reply from 169.254.53.128: bytes=32 time=0ms TTL=128
Reply from 169.254.53.128: bytes=32 time=0ms TTL=128

Ping statistics for 169.254.53.128:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```