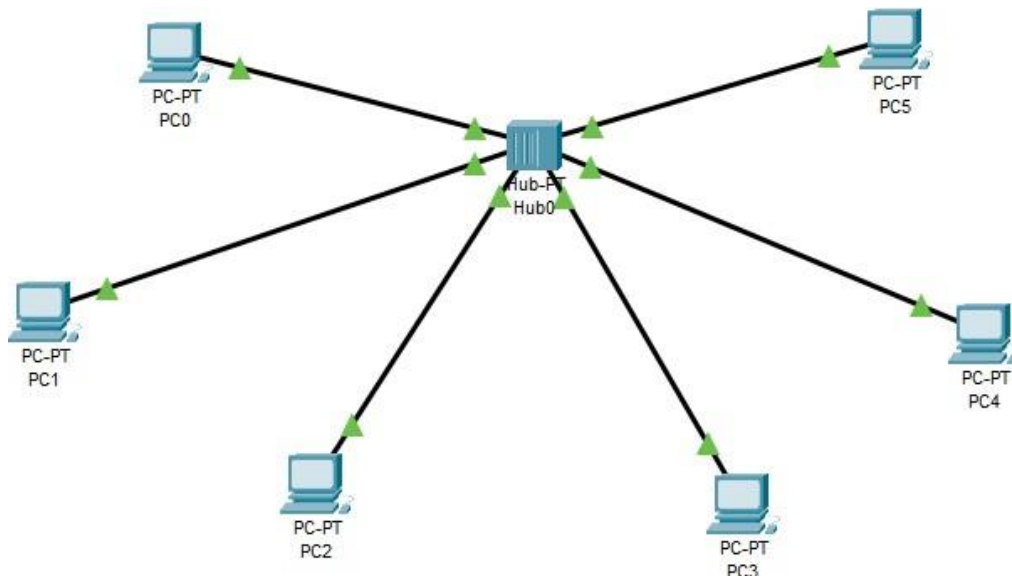


## PRACTICAL-12

**AIM: Configuration of router in packet tracer using Configuration terminal.**

Step-1: Connecting the hub with 6 PCS.



Step-2: Assigning IP address to all the PCS.

IP Configuration
X

Interface FastEthernet0

IP Configuration

☐ DHCP

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

☒ Static

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address  /

Link Local Address

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

IP Configuration

Interface

FastEthernet0

IP Configuration

☐ DHCP
 ☒ Static

IPv4 Address

10.10.10.2

Subnet Mask

255.0.0.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic
 ☒ Static

IPv6 Address

Link Local Address

FE80::2D0:58FF:FE84:3801

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

IP Configuration

Interface

FastEthernet0

IP Configuration

☐ DHCP
 ☒ Static

IPv4 Address

10.10.10.3

Subnet Mask

255.0.0.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic
 ☒ Static

IPv6 Address

Link Local Address

FE80::207:ECFF:FE89:D314

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☐ DHCP
 ☒ Static

IPv4 Address10.10.10.4

Subnet Mask255.0.0.0

Default Gateway0.0.0.0

DNS Server0.0.0.0

IPv6 Configuration

☐ Automatic
 ☒ Static

IPv6 Address /

Link Local AddressFE80::201:43FF:FE3C:D700

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

AuthenticationMD5

Username

Password

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☐ DHCP
 ☒ Static

IPv4 Address10.10.10.5

Subnet Mask255.0.0.0

Default Gateway0.0.0.0

DNS Server0.0.0.0

IPv6 Configuration

☐ Automatic
 ☒ Static

IPv6 Address /

Link Local AddressFE80::260:3EFF:FE07:CC8A

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

AuthenticationMD5

Username

Password

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☐ DHCP
 ☒ Static

IPv4 Address10.10.10.6

Subnet Mask255.0.0.0

Default Gateway0.0.0.0

DNS Server0.0.0.0

IPv6 Configuration

☐ Automatic
 ☒ Static

IPv6 Address

Link Local AddressFE80::2D0:D3FF:FEAD:9754

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

AuthenticationMD5

Username

Password

Step-3: Simulation Table.

<div> <div>Event List</div> <div>Realtime</div> <div>Simulation</div> </div>										
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	
	In Progress	PC0	PC4	ICMP		0.000	N	0	(edit)	

Scenario 0

New

Delete

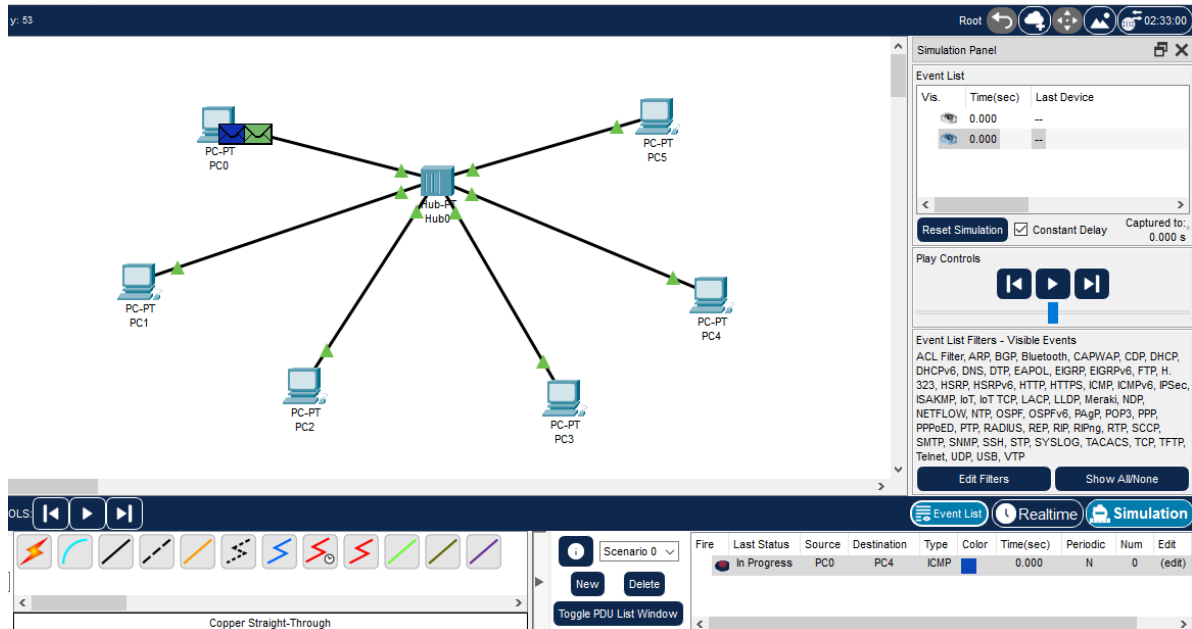
Toggle PDU List Window

12:12 PM

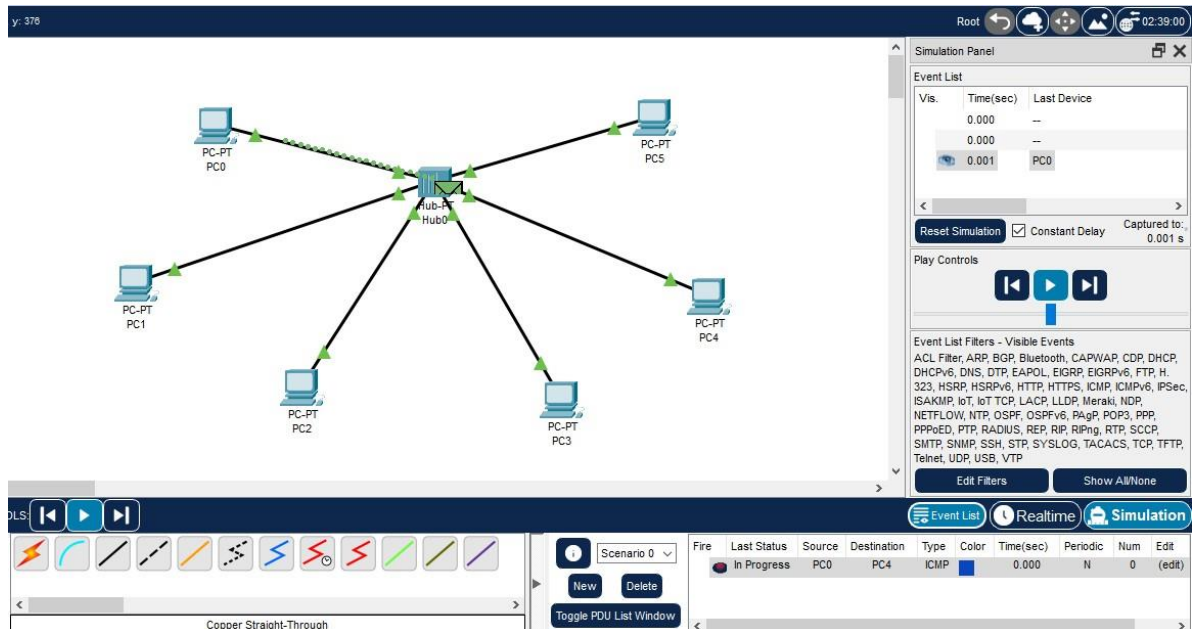
10/9/2023

1

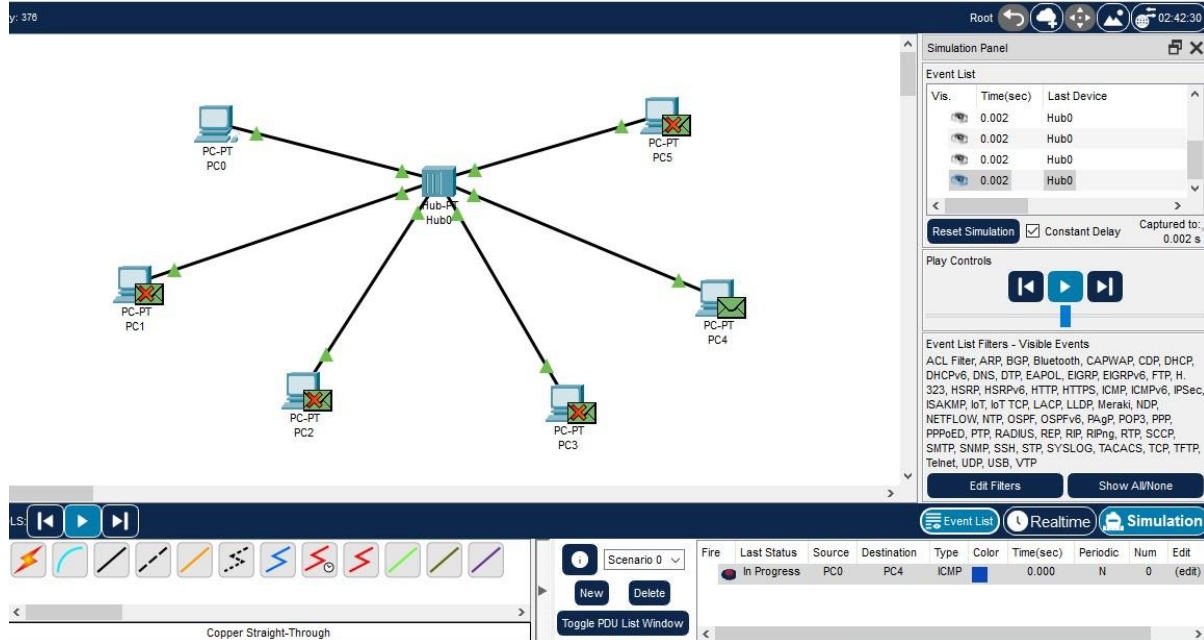
Step-4: Sender PC0 sends the packet to the hub.



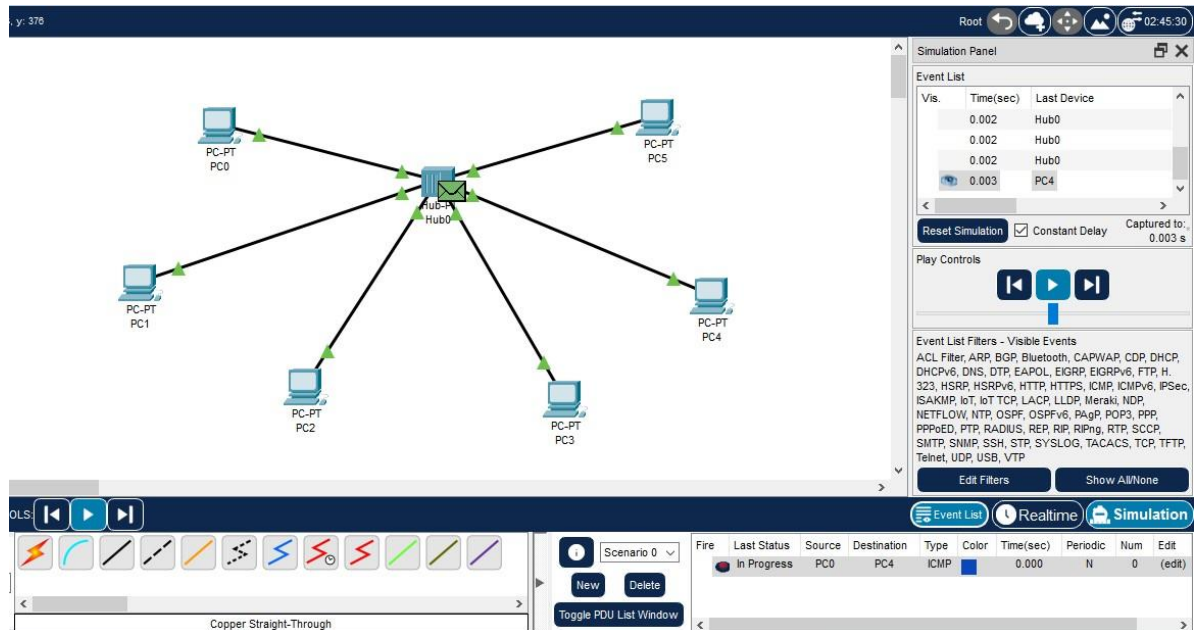
Step-5: The hub transfers the packet to all other PCs.



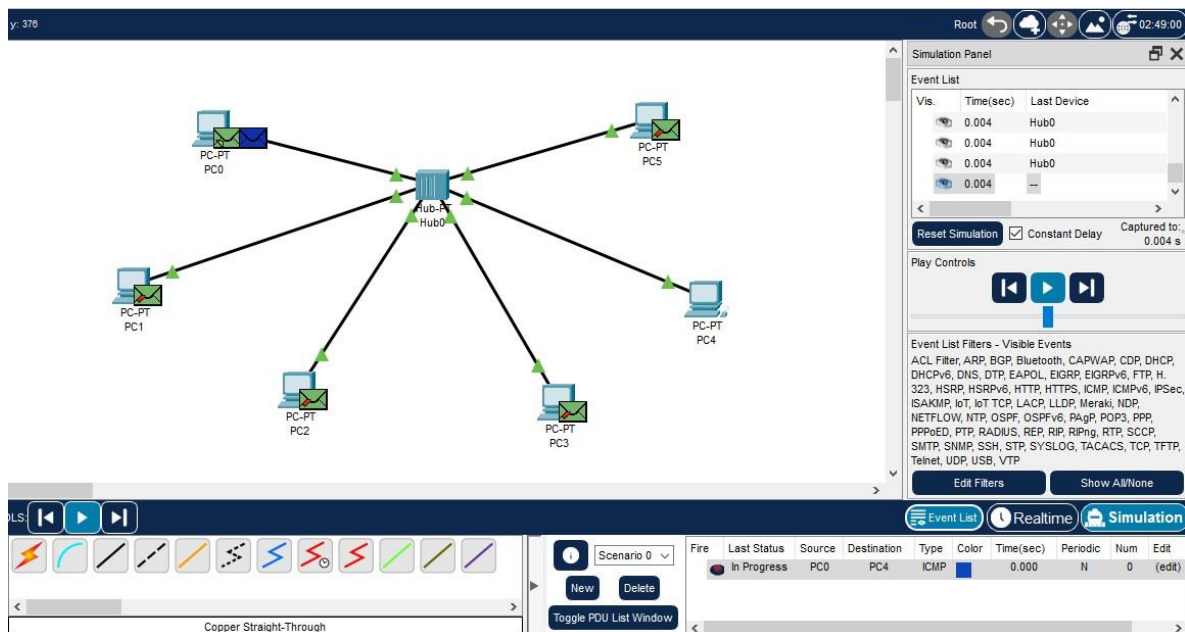
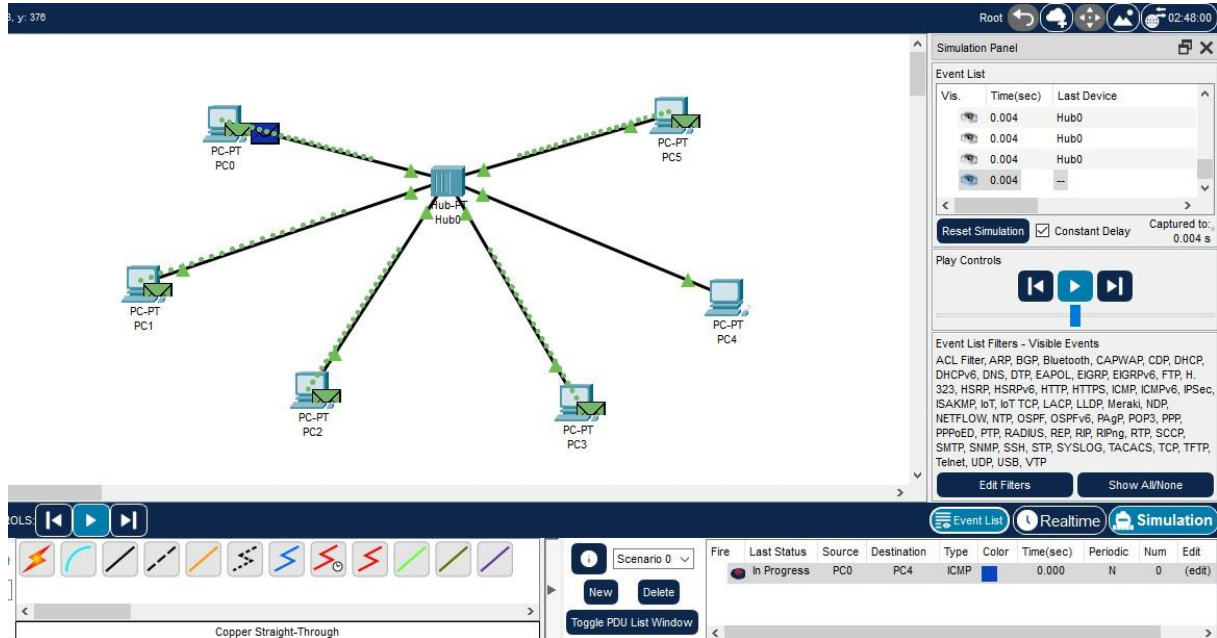
Step-6: PC4 acquires the packet and the rest PCS declines it.



Step-7: Receiver PC4 sends the acknowledgement to the hub and hub transfers it to all other PCs.

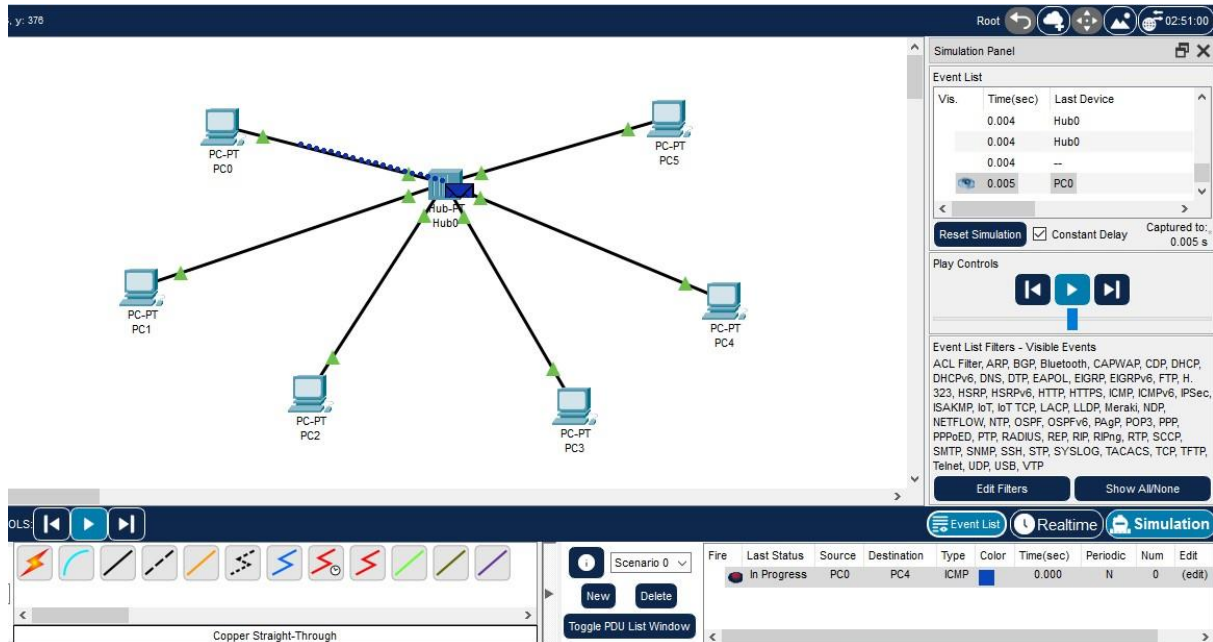


Step-8: Sender PC0 receives the acknowledgement and other PCs decline it.





Step-9: PC0 sends the acknowledgement to the hub.



Step-10: The hub transfers the acknowledgement to the other PCS. PC4 accepts it and the rest declines it.

