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COURSE - MCA (B)

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SUBJECT - Computer Networks

- ② There are two organizations in a city named GEU and GEHU, design a network between the SOC department of GEU and GEHU. Also show the communication between user number 1 of GEU and user number 2 of GEHU.

Objective - Understanding of LAN Network.

Description - How to add connection between devices of different networks

Steps -

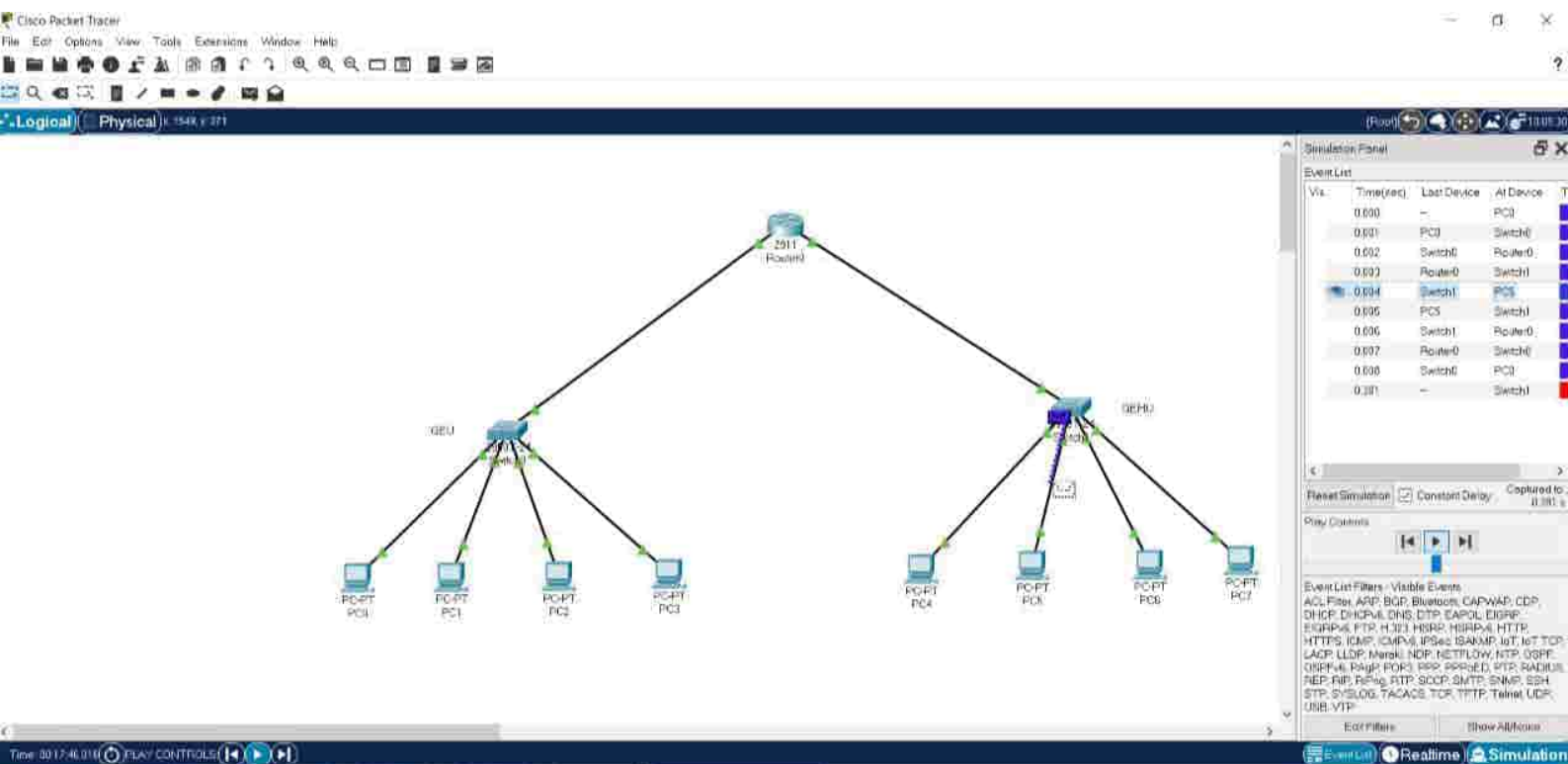
Step 1 - Create LAN-1 with four PCs and create LAN-2 with four PCs

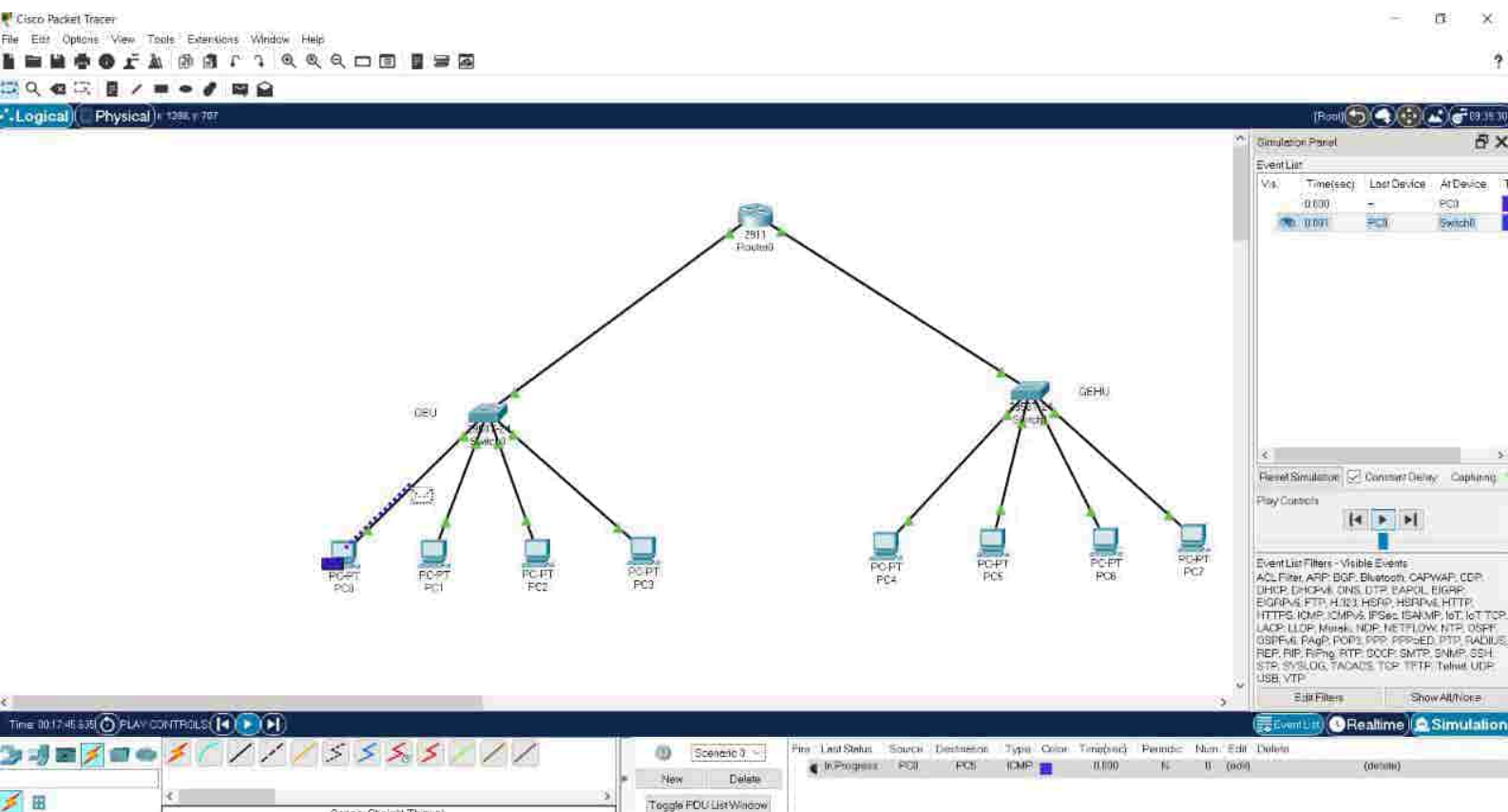
Step 2 - Connect both LAN with router and configure the router.

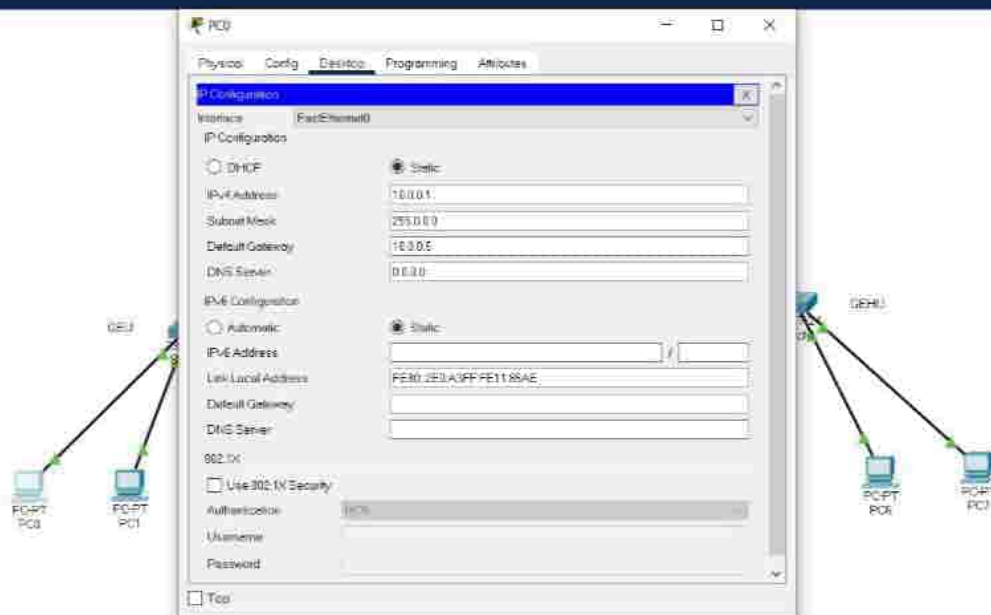
Step 3 - Default gateways for LAN 2 is 192.168.1.5

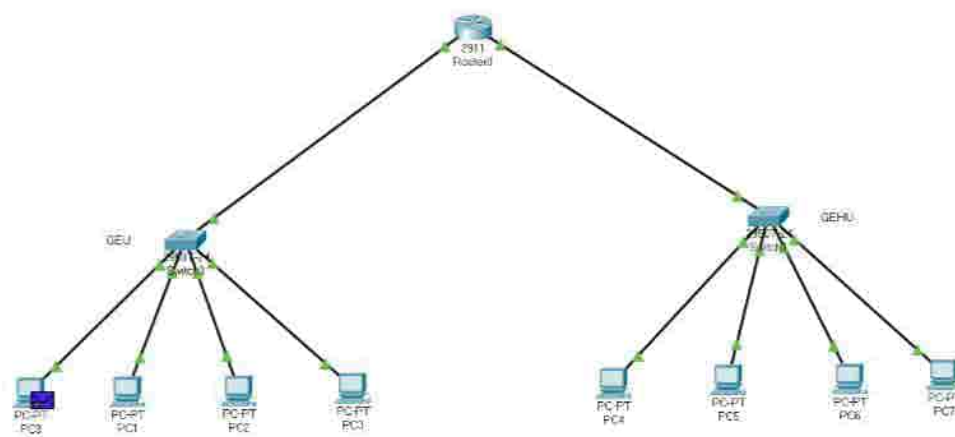
Default gateway for LAN1 is 10.0.0.5

Step 4:- Sending PDU to see if connection is established









Via	Time(sec)	From Device	To Device
0.000	-	-	-
0.001	0.001	PC3	SwitchL
0.002	0.002	SwitchL	Router0
0.003	0.003	Router0	SwitchR
0.004	0.004	SwitchR	PC5
0.005	0.005	PC5	SwitchR
0.006	0.006	SwitchR	Router0
0.007	0.007	Router0	SwitchL
0.008	0.008	SwitchL	PC1
0.009	0.009	-	SwitchL

ACL Filter, ARP, BGP, Bootstrap, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, ESP, FTP, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISL, ISLMP, L2TP, LACP, LLDP, MIB, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, PCP, PPP, PPPoE, PTP, RADIUS, REP, RFP, RPP, RTP, SCOP, SMTP, SNMP, SSH, STP, Syslog, TACACS, TFTP, Telnet, UDP, USB, VTP

Case Rocket Drive

File Edit Options View Tools Extensions Window Help

Logical Physical 1590 y:377

PC4

Physical Config **Config** Programming Attributes

IP Configuration

Interface: FastEthernet0

☐ DHCP ☒ Static

IPv4 Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.5

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::002A:FFFE:A2C8:B

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: M/D

Username:

Password:

Top

GRU

PC-PT PC1

PC-PT PC2

GEHU

PC-PT PC6

PC-PT PC7

Time: 00:17:45.535 PLAY CONTROLS

Scenario 3

New Delete

Toggle PDU List Window

File List Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Event List Realtime Simulation

