LAB practical

Adarsh Rana
Date
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Q1 There is an org. A with multiple departments. Design a network for the HR department and the size of the department is 10 users. Also show the communication between user 1 to user 5 of the network.

Sol

Objective :- There is a company having multiple departments.

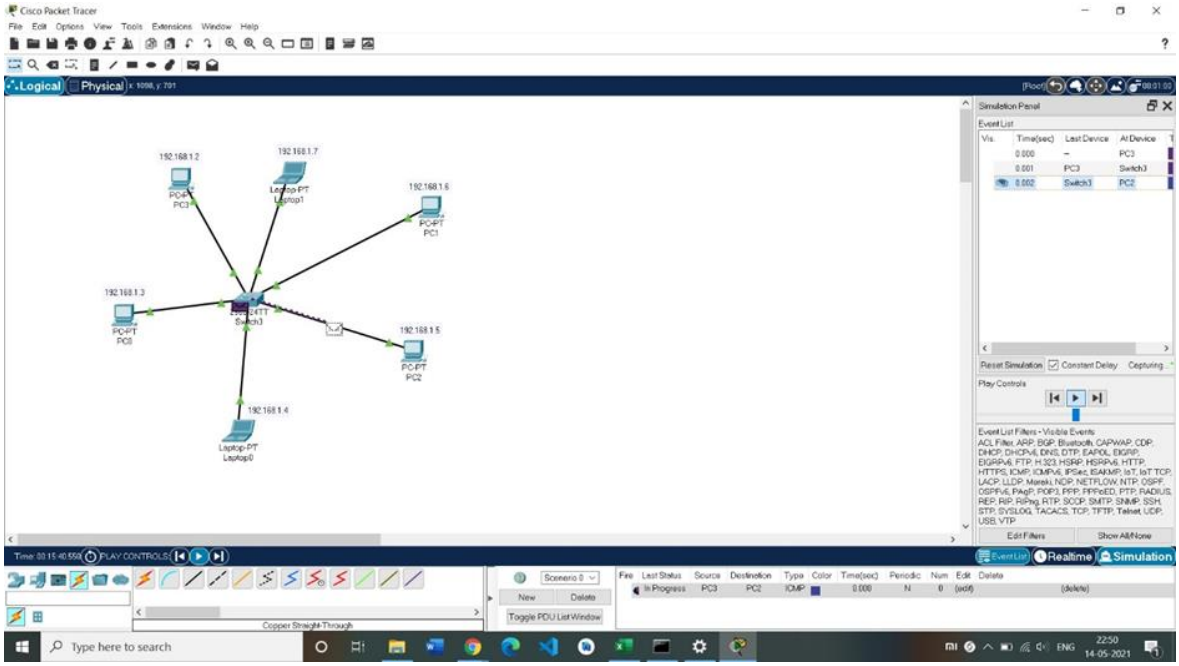
- We have to construct a network of HR department of the company having 10 users.
- Configuration of network by message transfer from user 1 to user 5.

1st: Create LAN with 10 users

2nd: Assign IP to all the nodes.

3rd: Configure switch.

4th: now check by using message transfer.


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
192.168.1.2
PC-PT PC3
192.168.1.7
Laptop-PT Laptop1
192.168.1.6
PC-PT PC1
192.168.1.3
PC-PT PC0
Switch3
192.168.1.5
PC-PT PC2
192.168.1.4
Laptop-PT Laptop0
Simulation Panel
Event List
Vis. Time(sec) Last Device At Device
0.000 - PC3
0.001 PC3 Switch3
0.002 Switch3 PC2
Reset Simulation
Constant Delay
Capturing...
Play Controls
Event List Filters - Visible Events
Edit Filters
Show All/None
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
In Progress PC3 PC2 ICMP 0.000 N 0 (edit) (delete)
Type here to search
ENG
22:50
14-05-2021

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Q.2 There are 2 org. in a city named GEU & GEHU, design a network b/w the LOC department of GEU & GEHU. Also, show the communication b/w user no. 1 of GEHU & user 2 of GEU.

Sol Objective :- 2 organisation GEU & GEHU

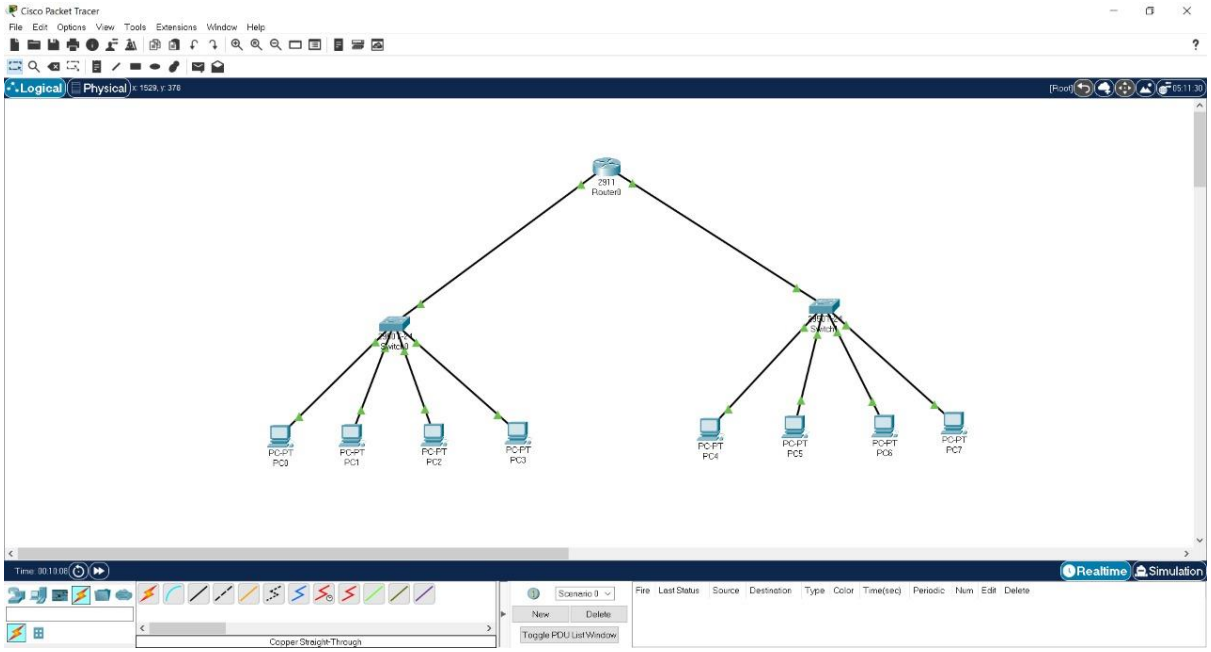
- We have to demonstrate the communication b/w user 1 of GEU & user 2 of GEHU.

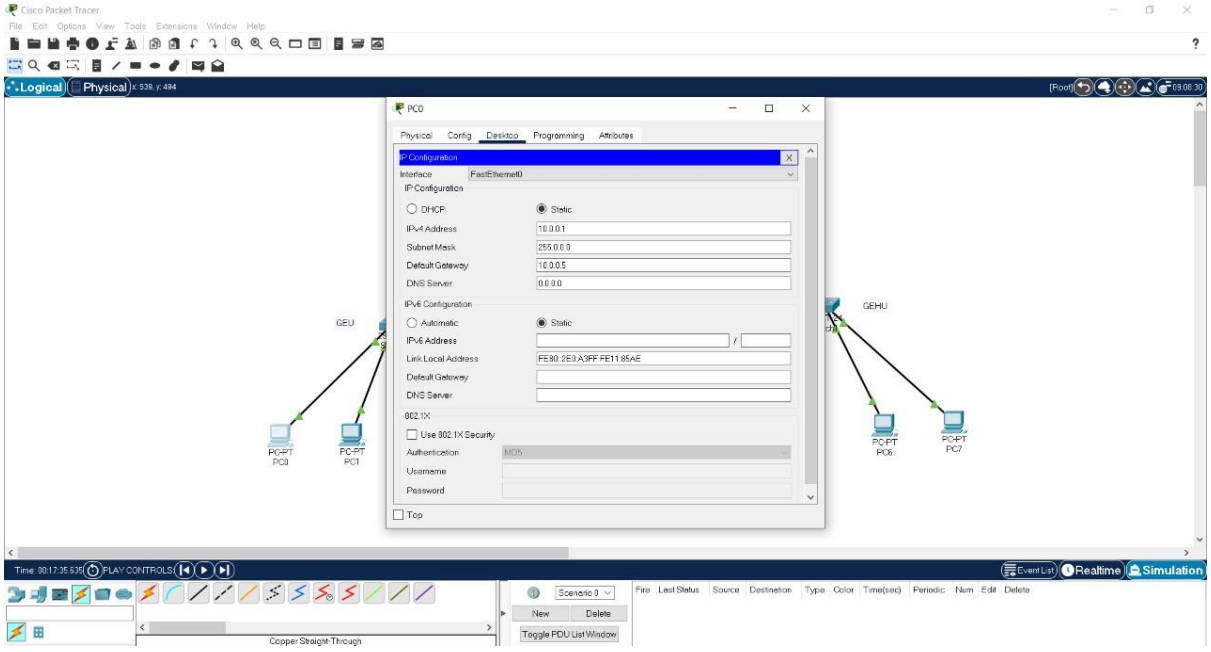
1st : Create LAN with multiple PC's.

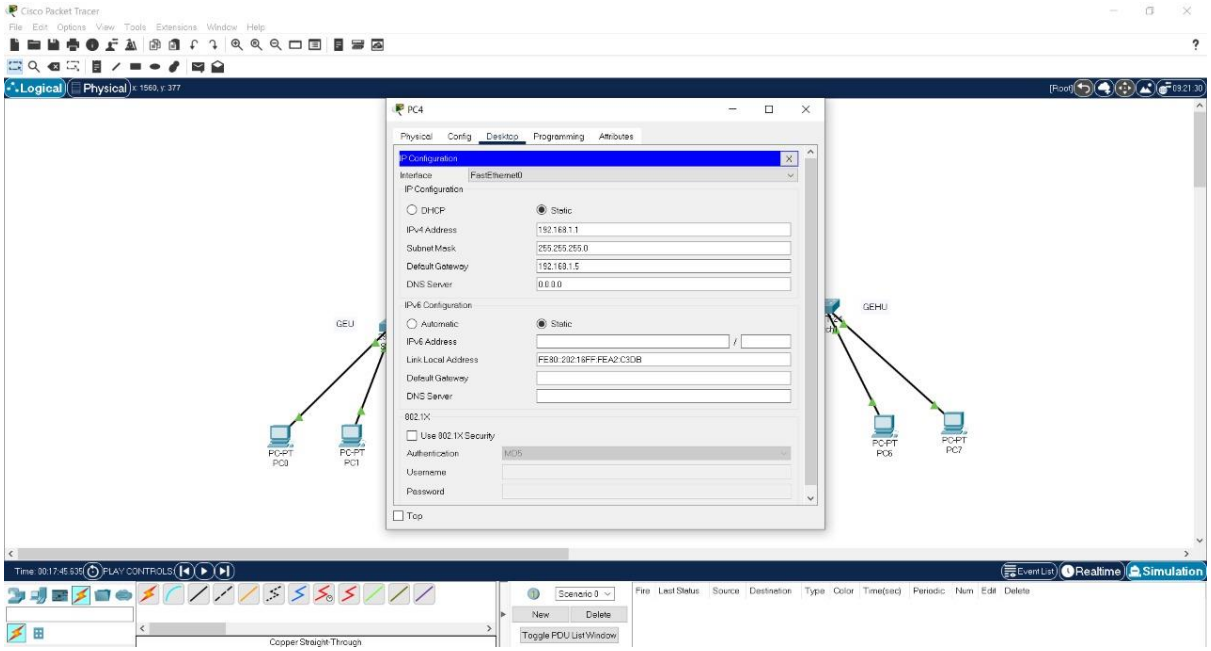
2nd : Connect the LAN to a Router & configure the router.

3rd : Default Gateway for LAN 1 is 10.0.0.5 & LAN 2 is 192.168.1.5

4th : Sending message to check communication.


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical
2911 Router0
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
Realtime Simulation
Copper Straight-Through


Cisco Packet Tracer
Logical Physical
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
DHCP Static
IPv4 Address 10.0.0.1
Subnet Mask 255.0.0.0
Default Gateway 10.0.0.5
DNS Server 0.0.0.0
IPv6 Configuration
Automatic Static
IPv6 Address
Link Local Address FE80::2E0:A3FF:FE11:85AE
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication MD5
Username
Password
Top
GEU
GEHU
PC-PT PC0
PC-PT PC1
PC-PT PC6
PC-PT PC7
Realtime Simulation
Copper Straight-Through


Cisco Packet Tracer
Logical
Physical
PC4
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
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::202:18FF:FEA2:C3DB
Default Gateway
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802.1X
Use 802.1X Security
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MD5
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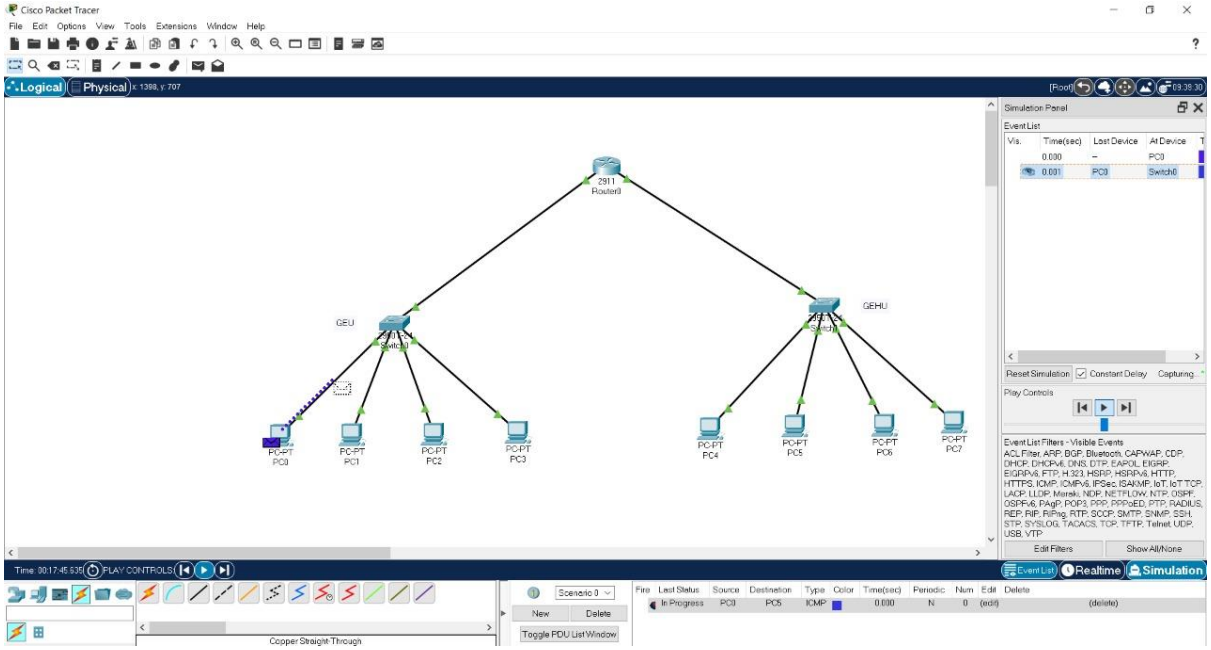
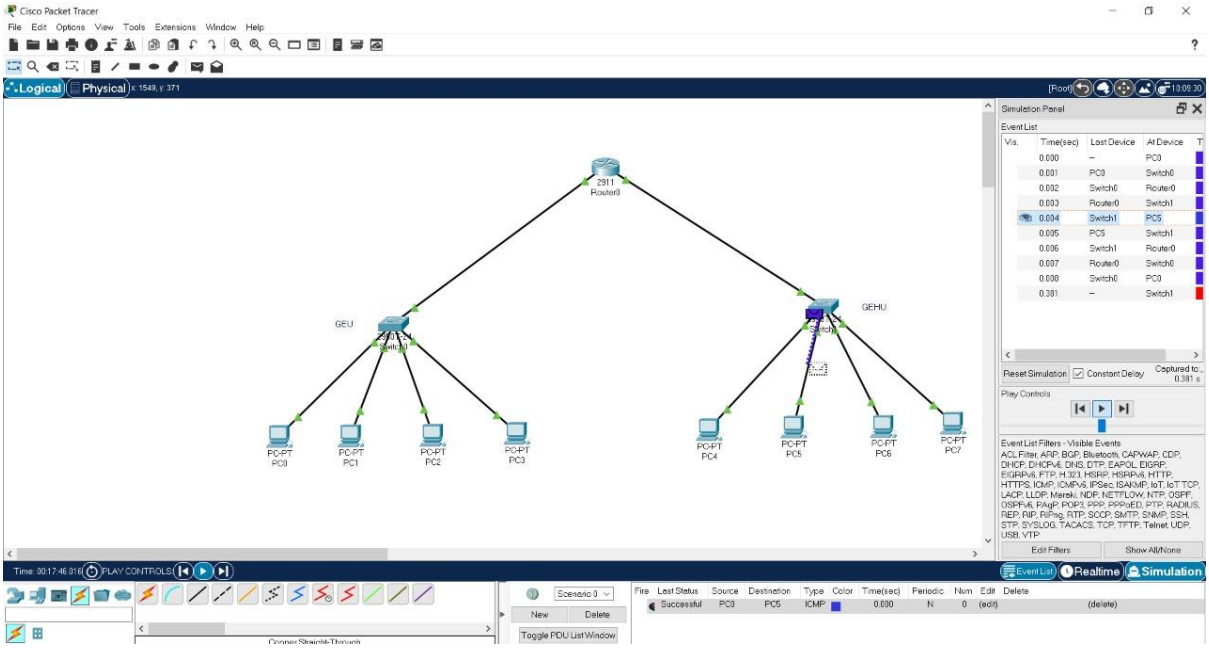
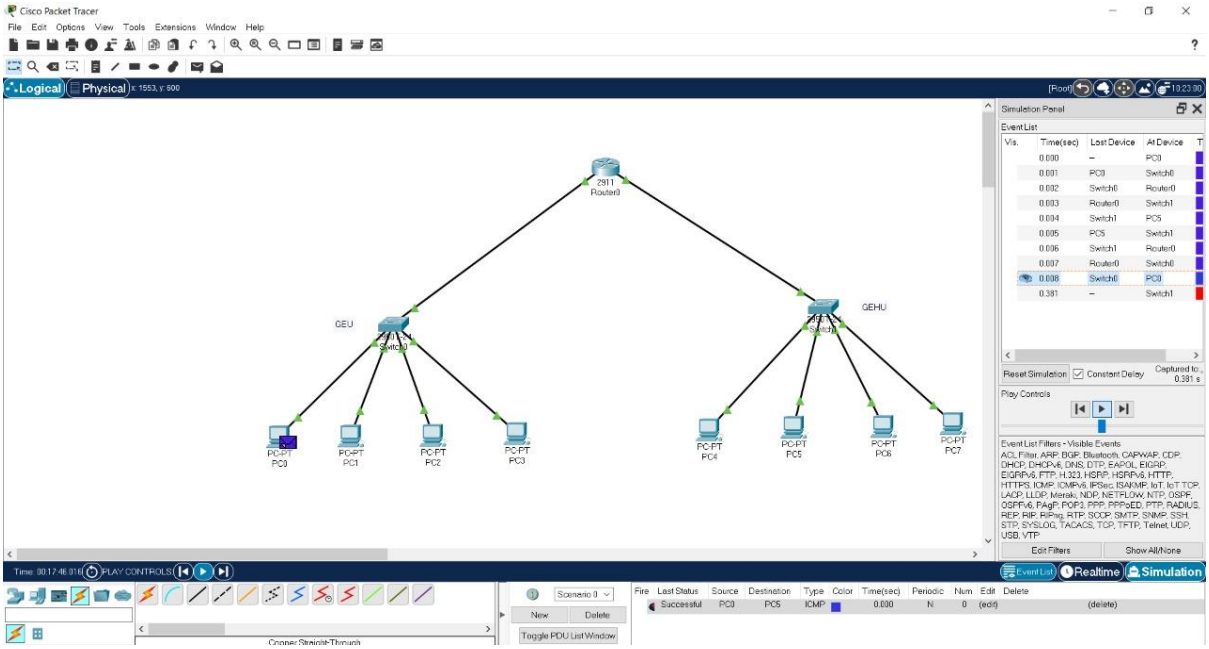
Top
GEU
GEHU
PC-PT
PC0
PC-PT
PC1
PC-PT
PC6
PC-PT
PC7
Realtime
Simulation
Copper Straight-Through


Cisco Packet Tracer
Logical
Physical
Simulation Panel
Event List
2911
Router0
GEU
GEHU
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7
Realtime
Simulation
Copper Straight-Through


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
2911
Router0
GEU
GEHU
PC-PT
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
Simulation Panel
Event List
Reset Simulation
Constant Delay
Play Controls
Realtime
Simulation


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
2911
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GEHU
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PC4
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PC6
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