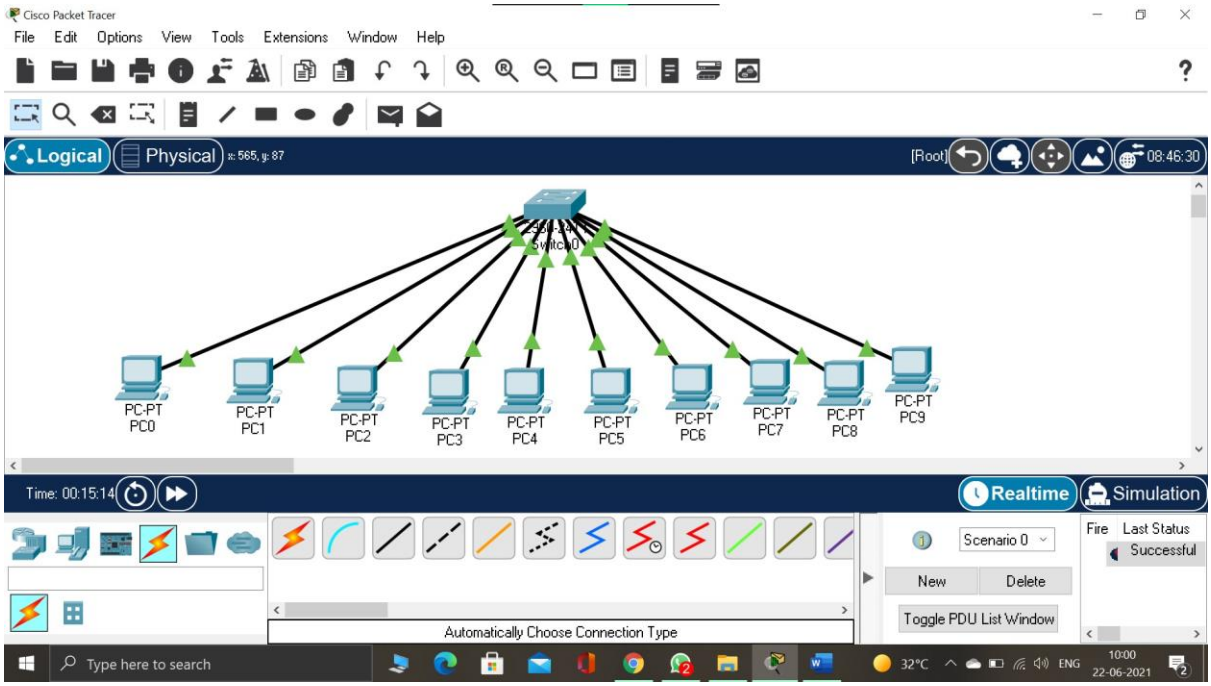
1.


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 565, y: 87
[Root]
08:46:30
Switch0
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
PC-PT PC8
PC-PT PC9
Time: 00:15:14
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Successful
Automatically Choose Connection Type
Type here to search
32°C
ENG
10:00
22-06-2021

(1) Network between HR dept & 10 user of the department.

Steps:-

So we will take 2 routers as R_1 and R_2 connected to switches via automatically connection wire.

each switch is connected to 5 PC's (PC0 - PC9) and also via automatic connection wire.

we will set IP address of all PC's and will go to Router and follow these steps:-

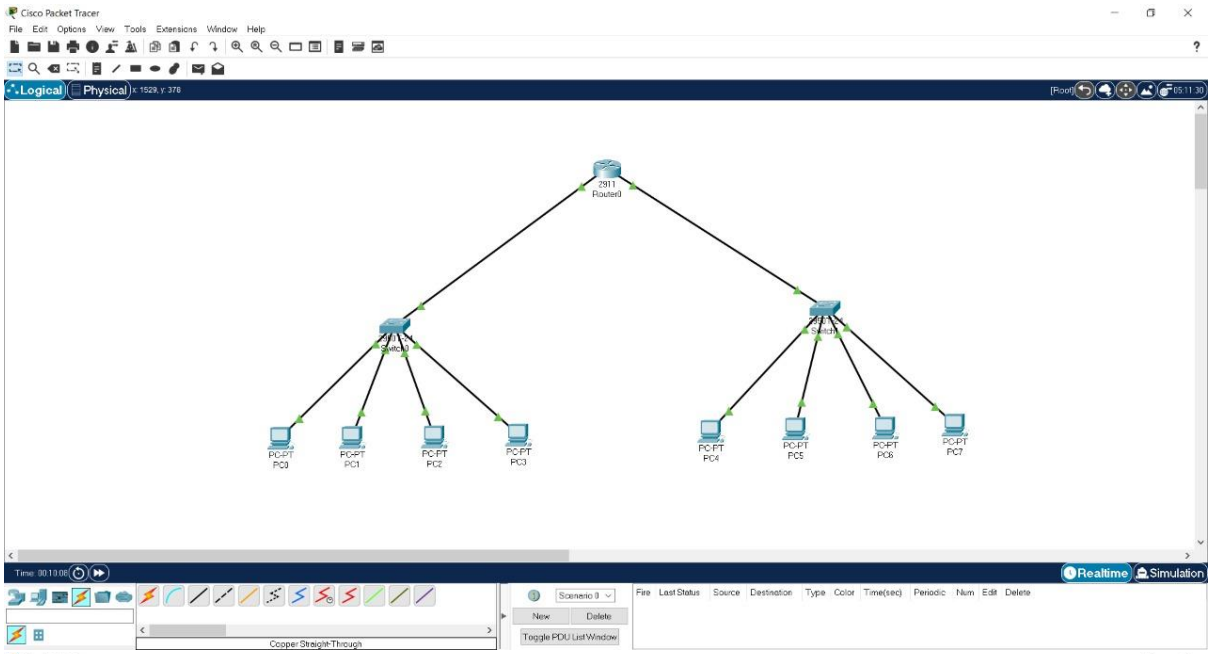
turn off > place WIC 1T in physical Device's view > and then turn on.

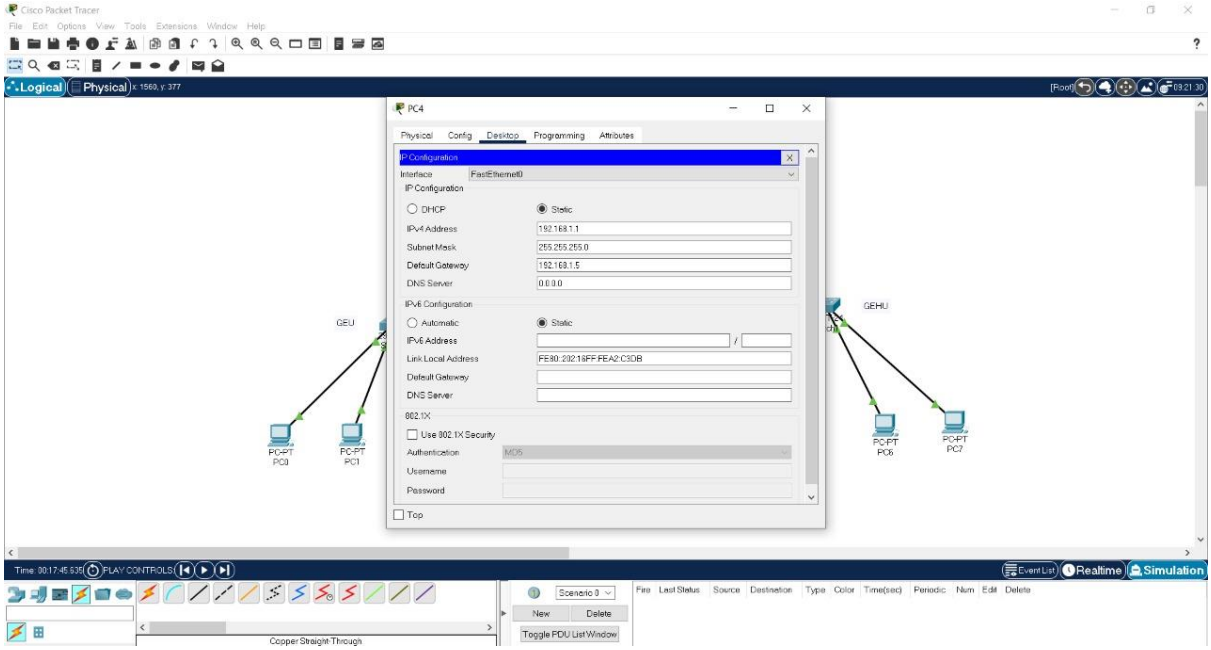
this will established the connection from router to switches.

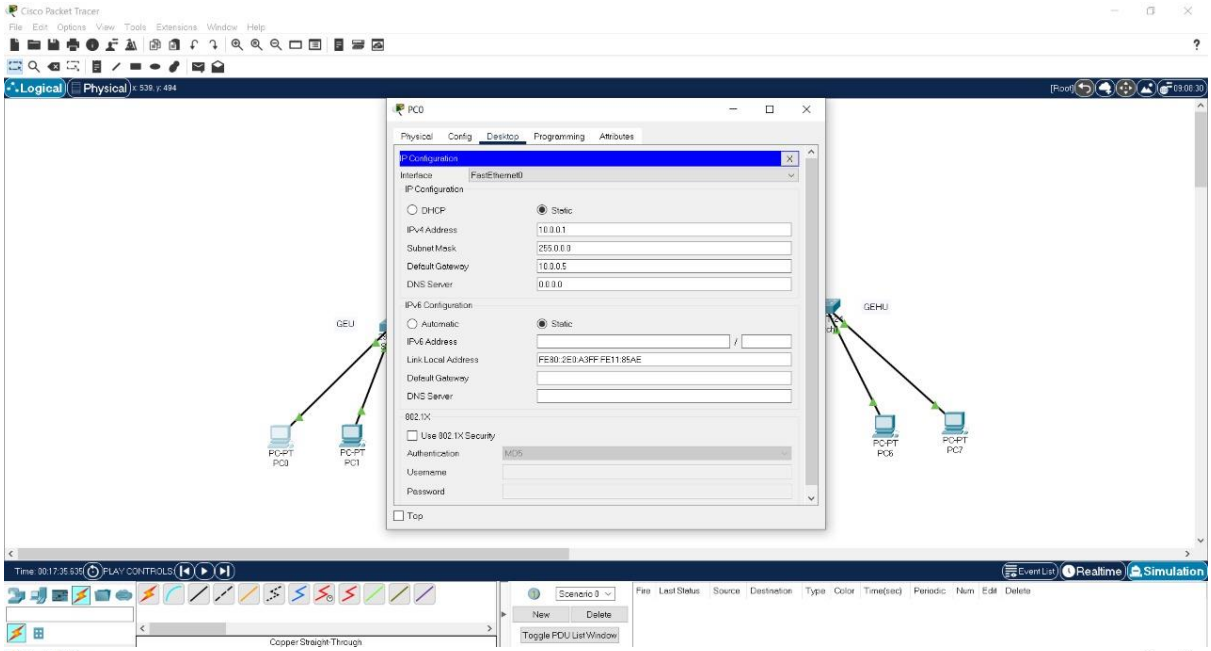
Now we have to check connection so we will send message from user 1 to user 2, 3, 4 - - so on.

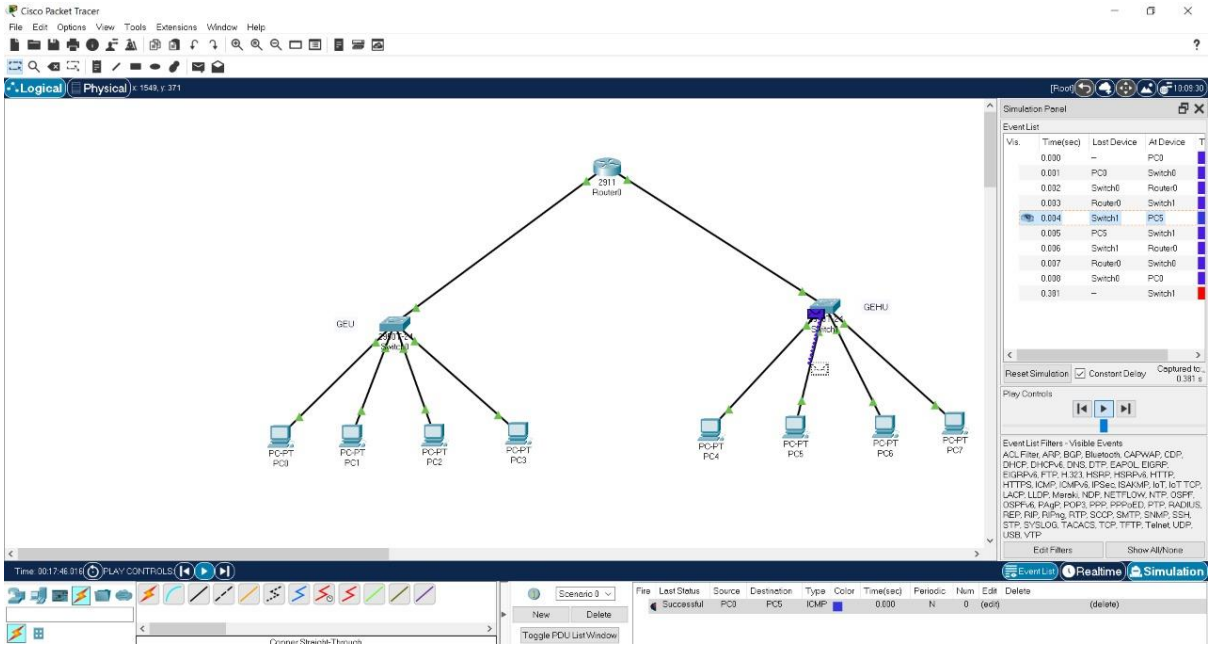
if the PDU window shows connected that means connection is established and network is build.

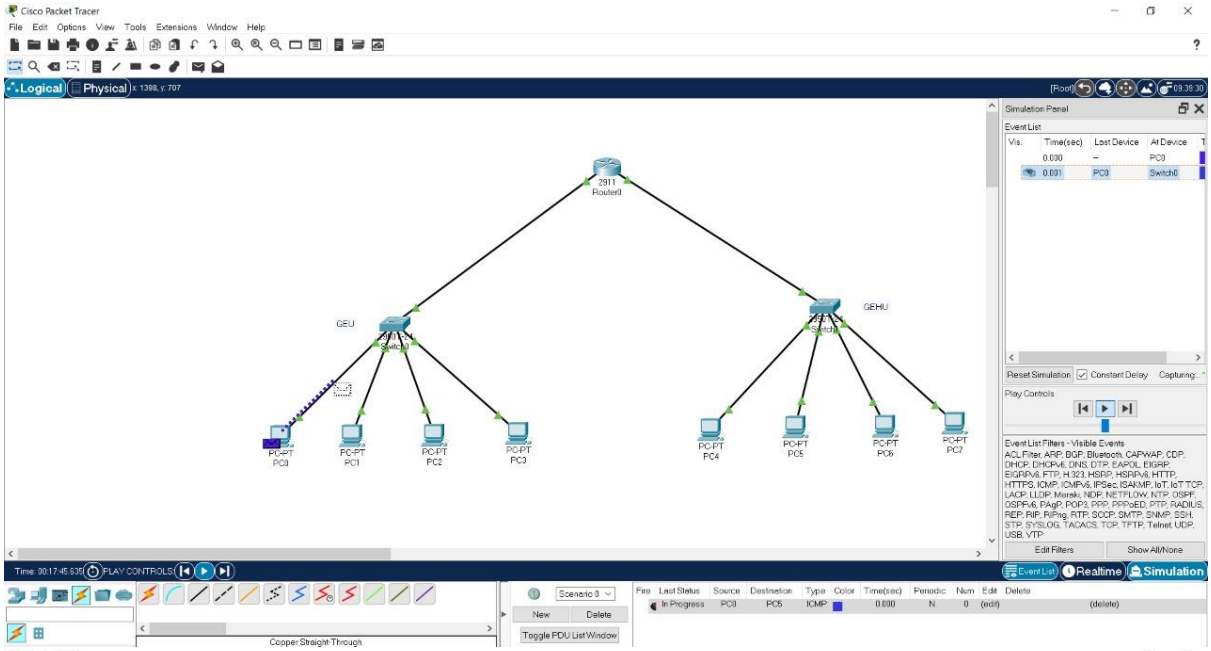
2.

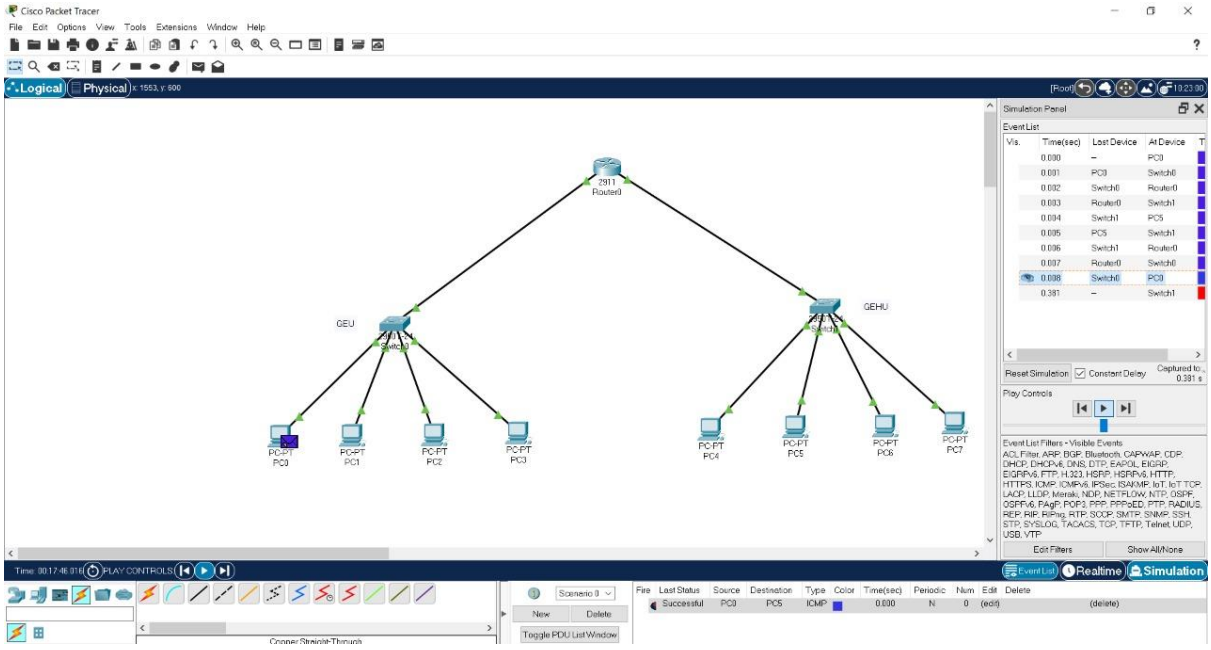

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
2911 Router0
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
Realtime
Simulation
Copper Straight-Through


Cisco Packet Tracer
Logical
Physical
PC4
Physical Config Desktop 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::202:18FF:FEA2:C3DB
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
PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
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
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
Simulation Panel
Event List
Vis.
Time(sec)
Last Device
At Device
Reset Simulation
Constant Delay
Play Controls
Event List Filters - Visible Events
Edit Filters
Show All/None
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
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
Simulation Panel
Event List
Reset Simulation
Play Controls
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
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
Simulation Panel
Event List
Reset Simulation
Play Controls
Realtime
Simulation
Copper Straight-Through

Date.
Page No.

Steps for network creation:

Step1: create LAN-1 with 4PC & create LAN2 with 4PCs

Step2: Connect both LAN with Router & configure the Router

Step3- Default Gateway for LAN-1 is 10.0.0.5
Default Gateway for LAN-2 is 192.168.1.5

Step4- Sending PDU to see if connection is established