

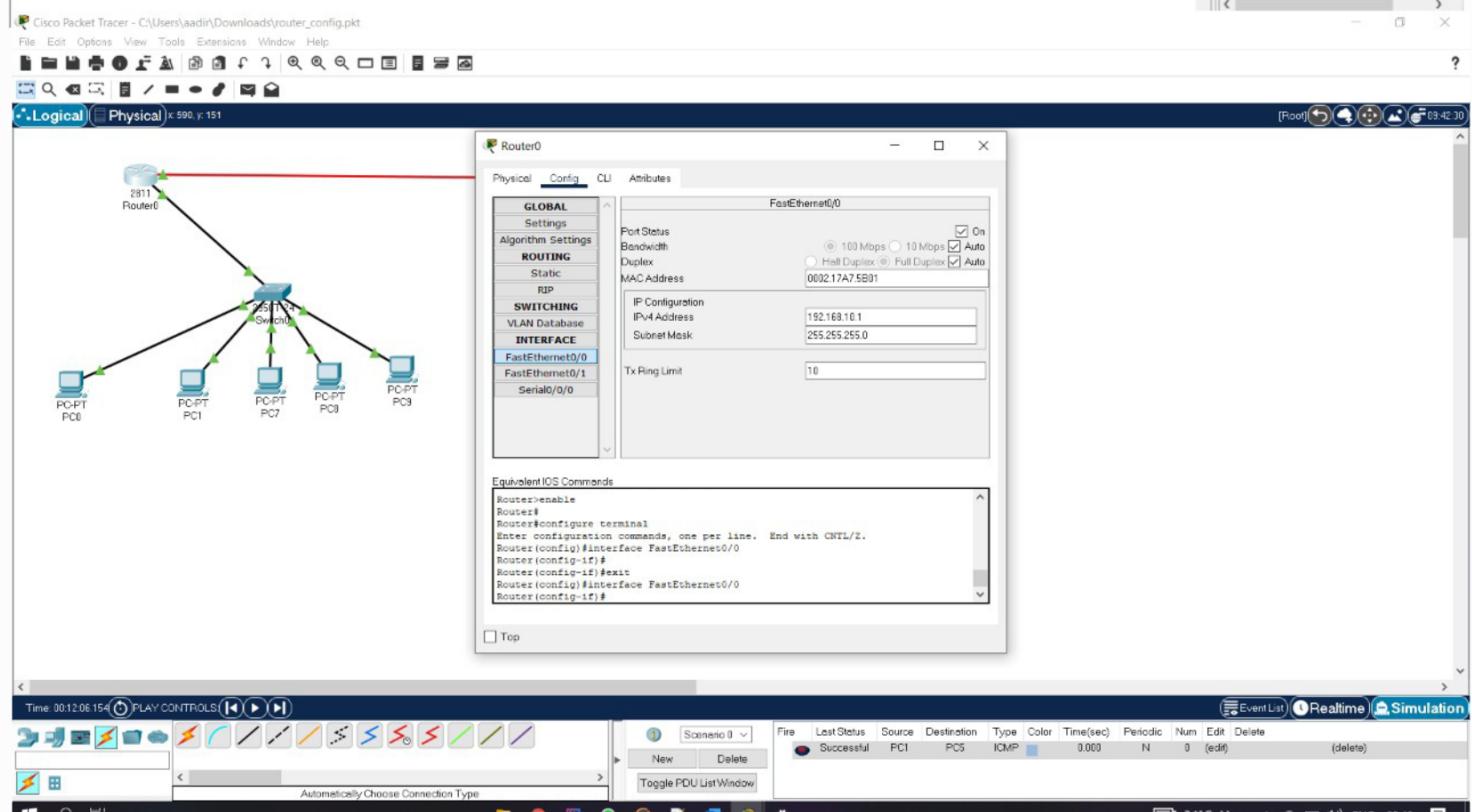
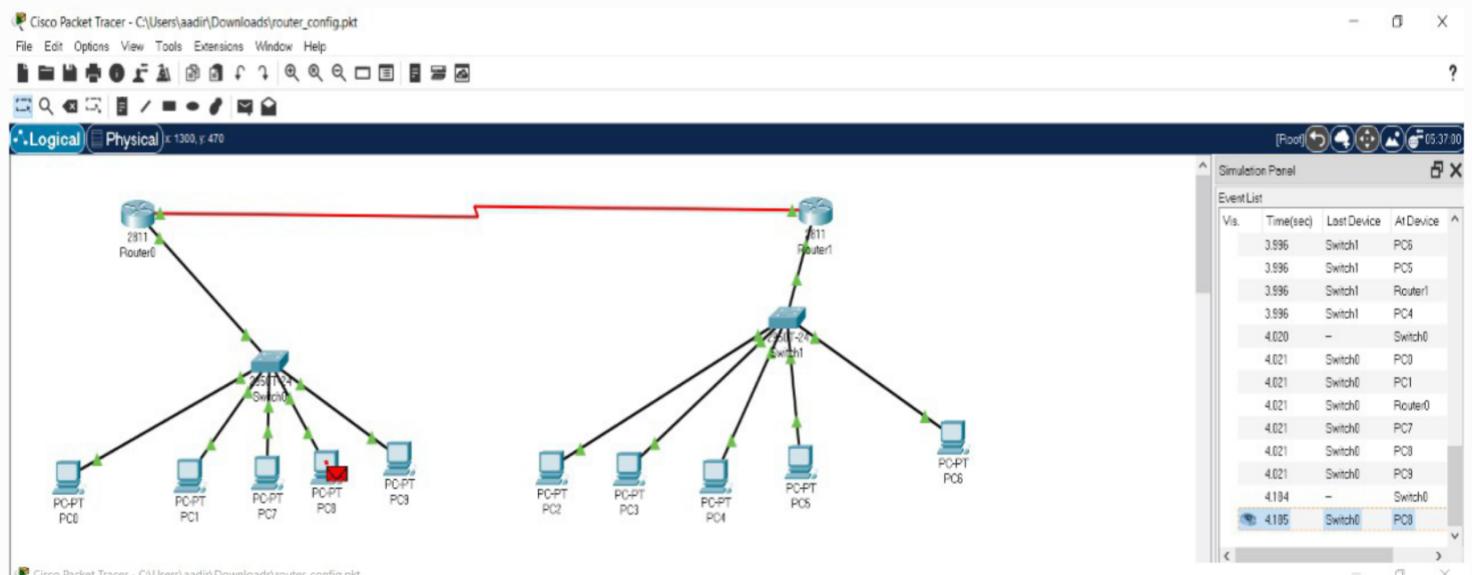
Aditi Tarak

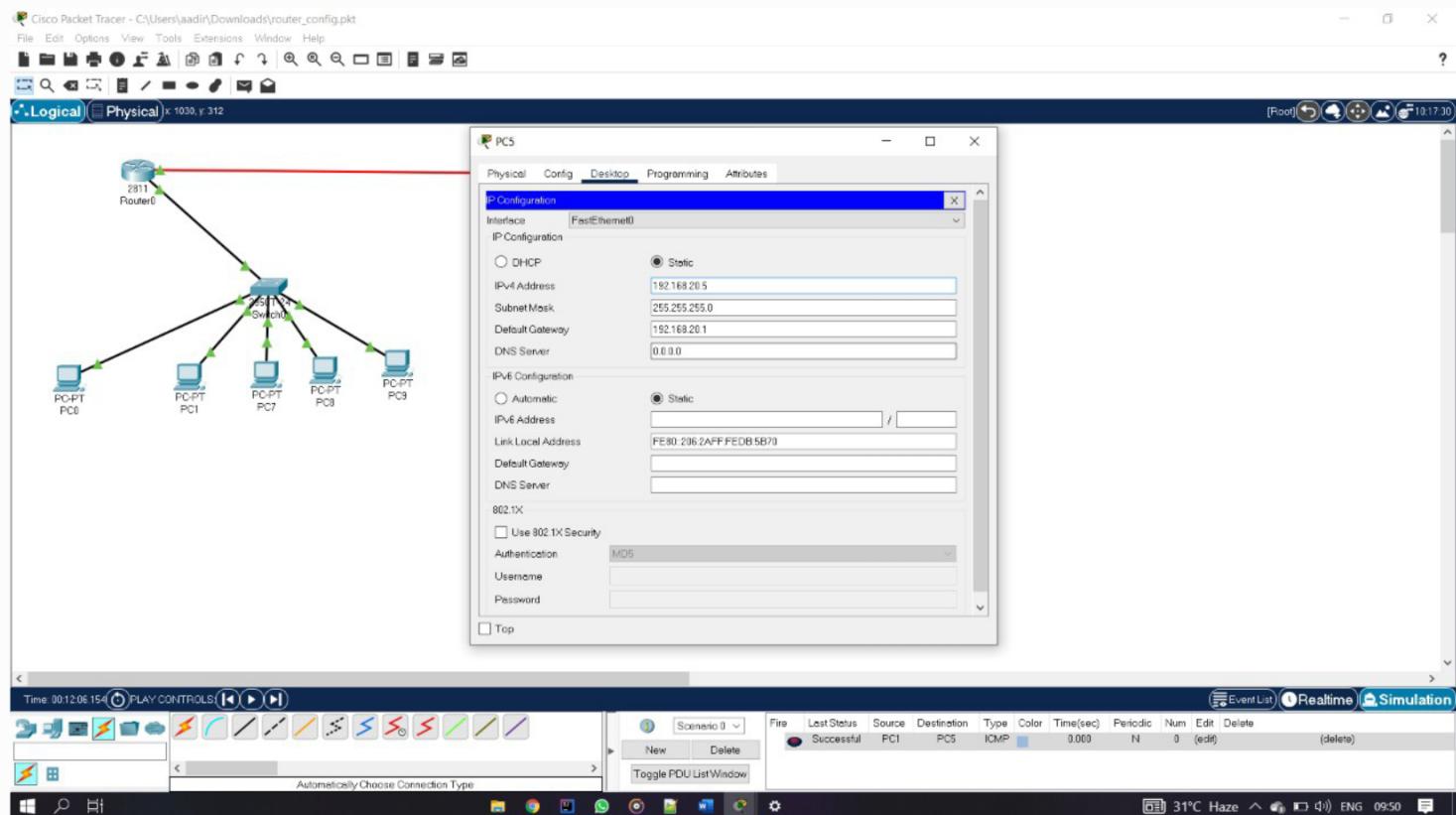
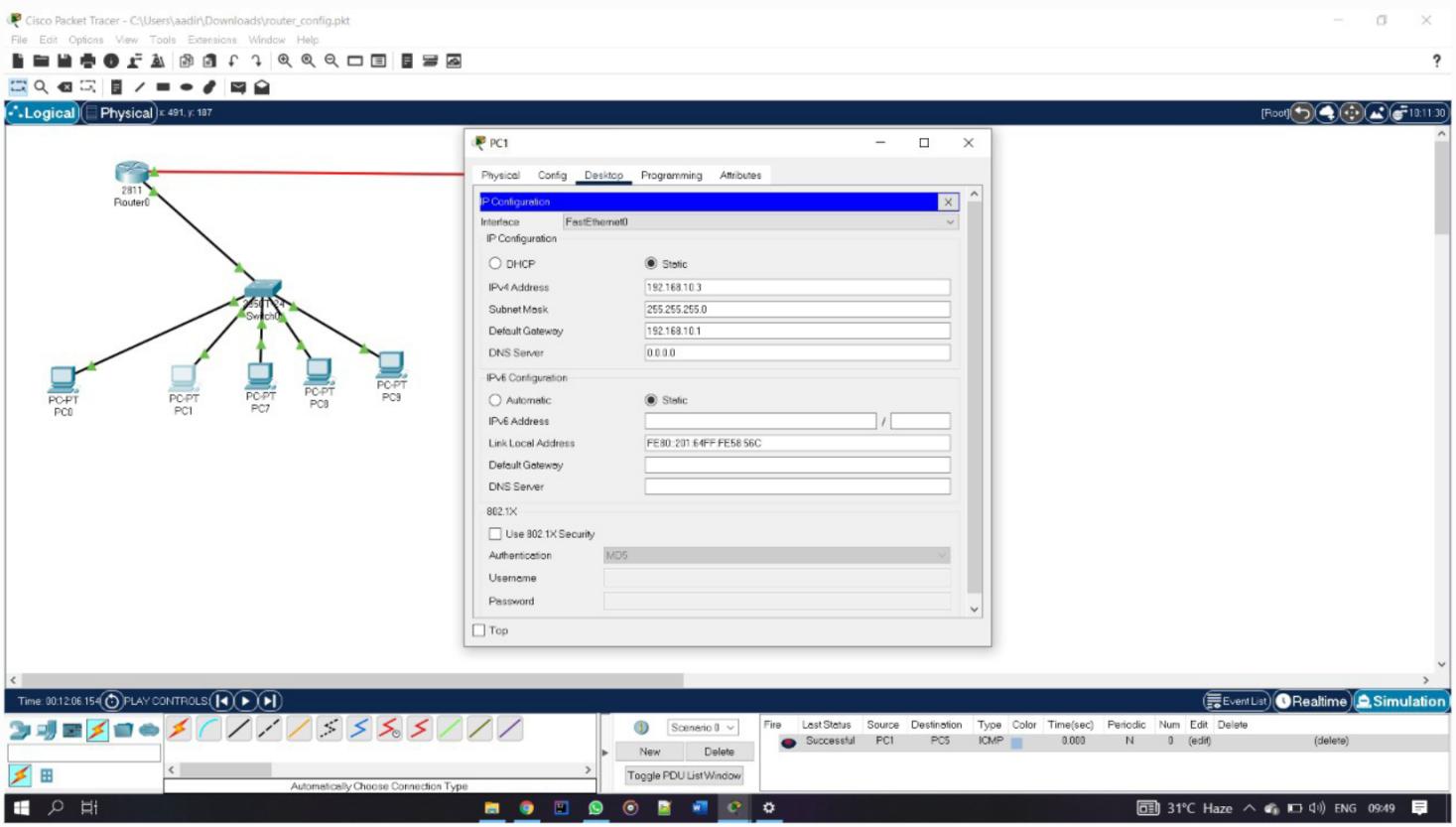
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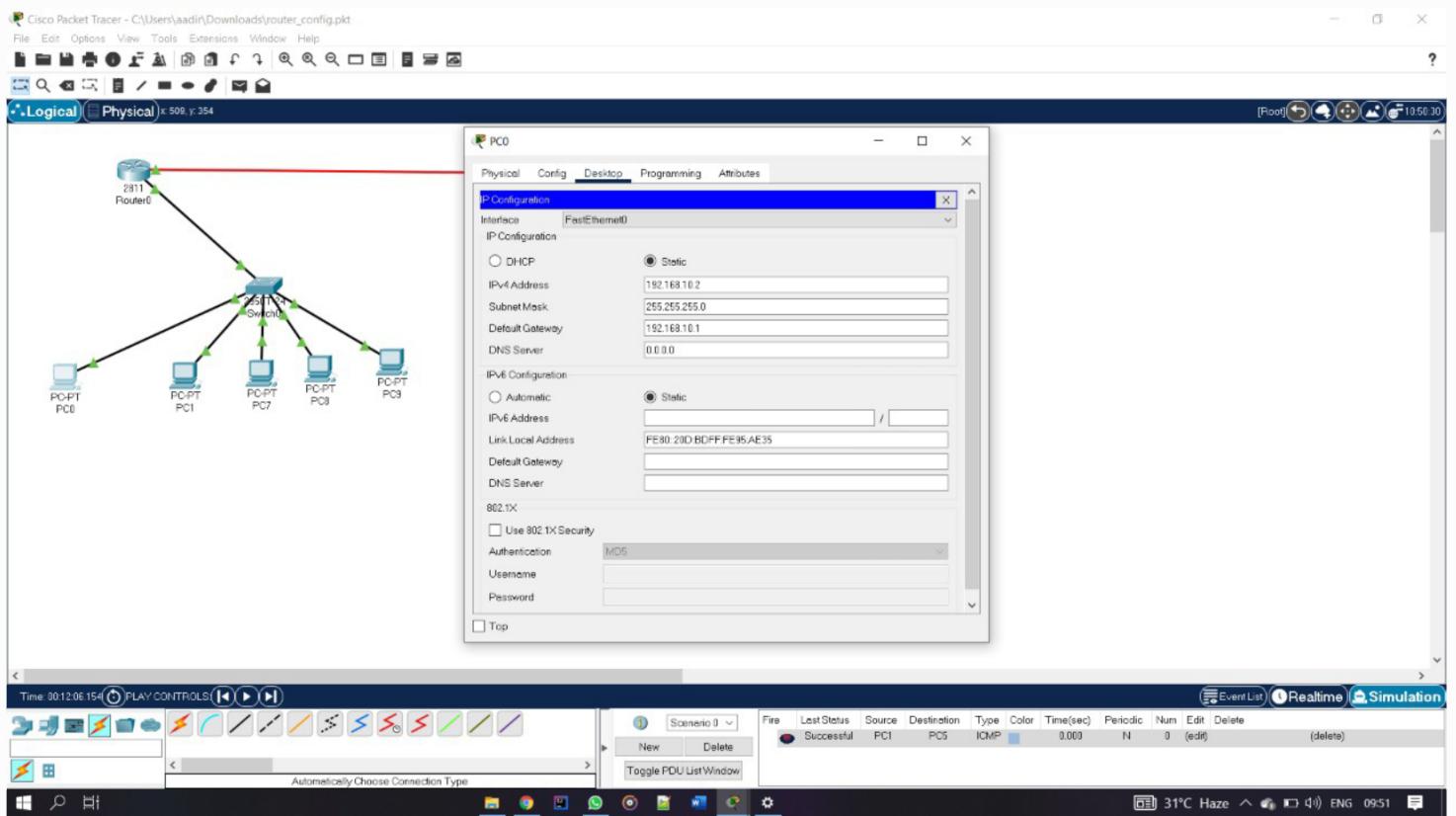
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Dehradun Campus

1. There is an organization 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 number 1 and user number 5 of the network.







Step 8:-

so we will take 2 routers as R₁ and R₂ connected to switches via automatically connection wire.

each switch is connected to 5 PC's (PC0-PC4) and also via automatic connection wire.

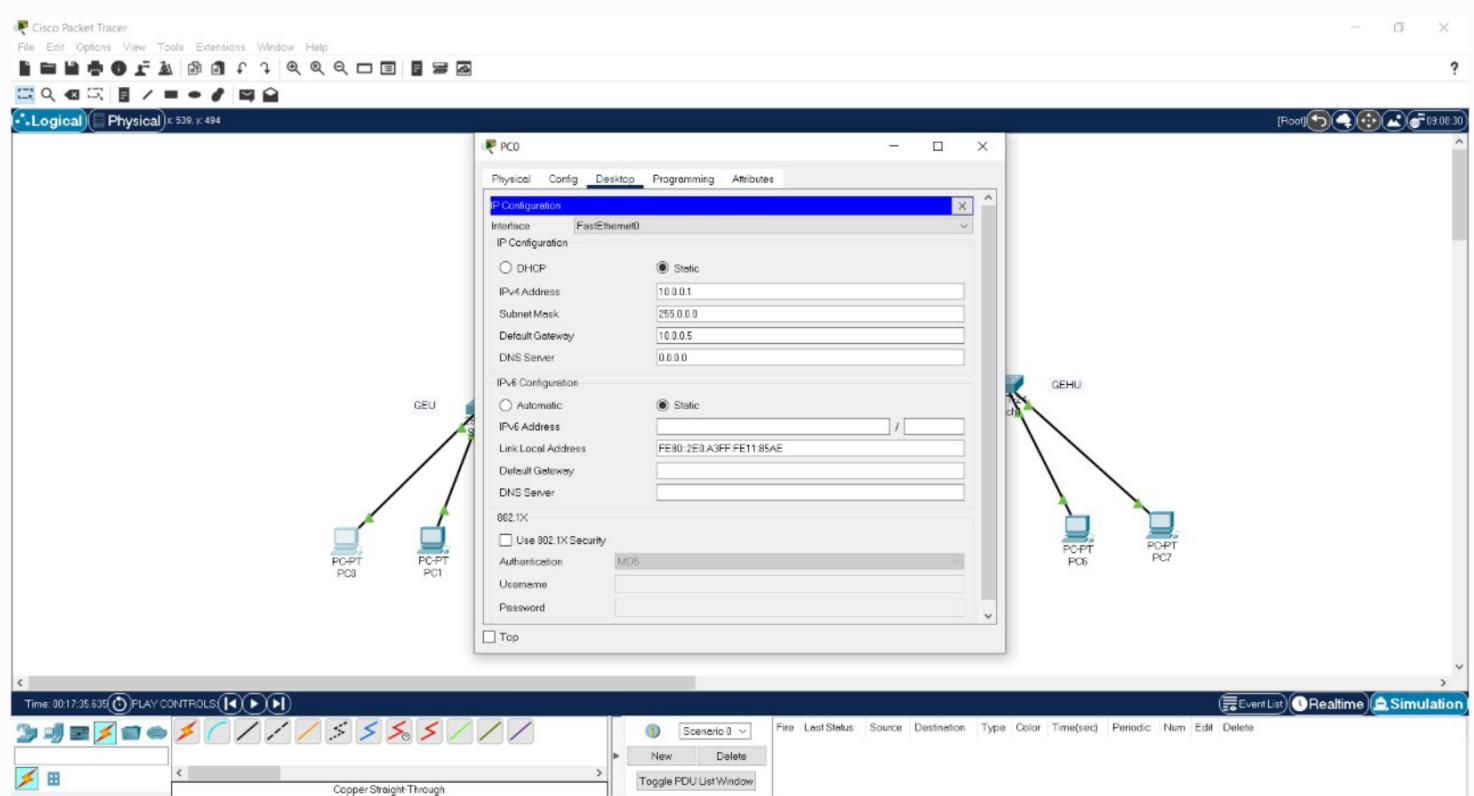
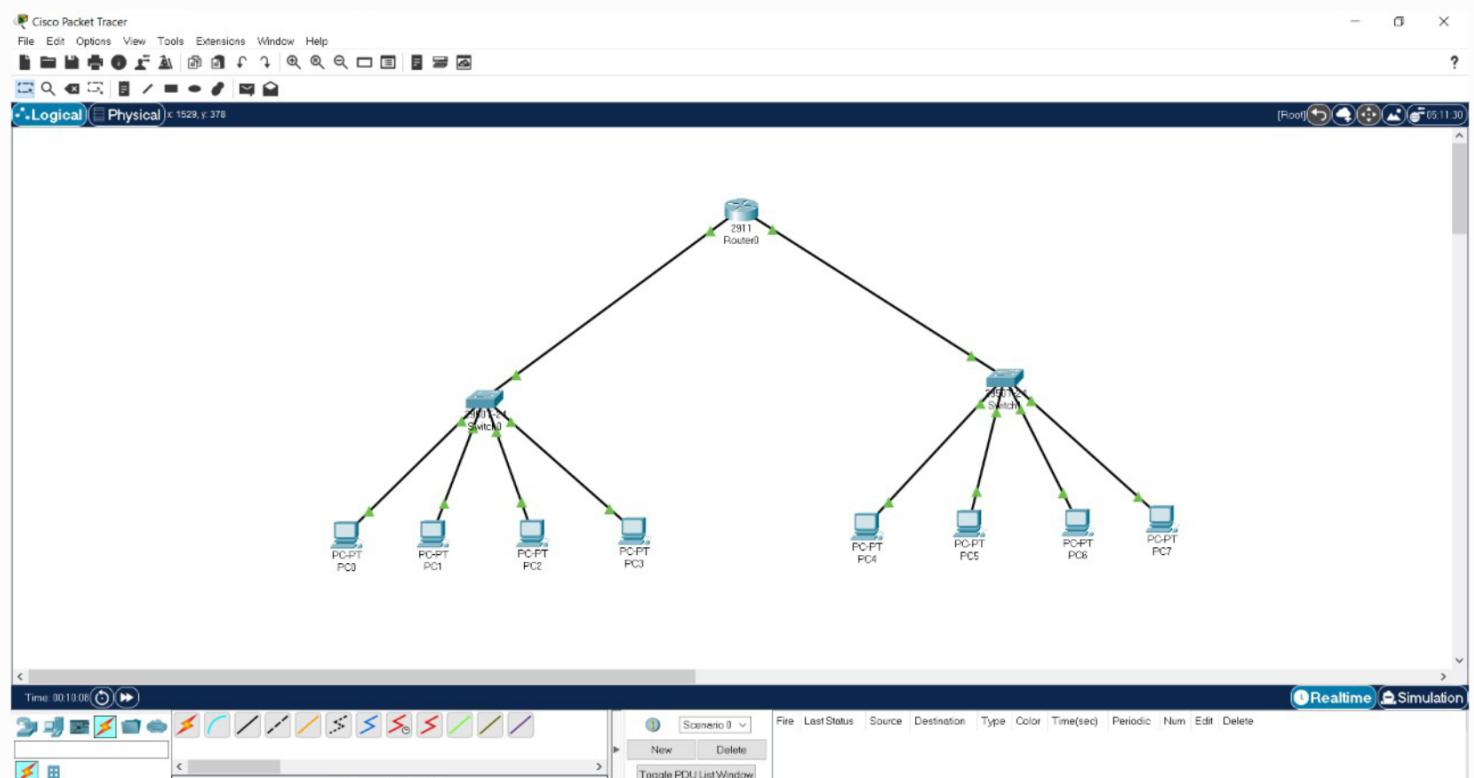
we will set IP address of all PC's and will go to Router and follow these steps:

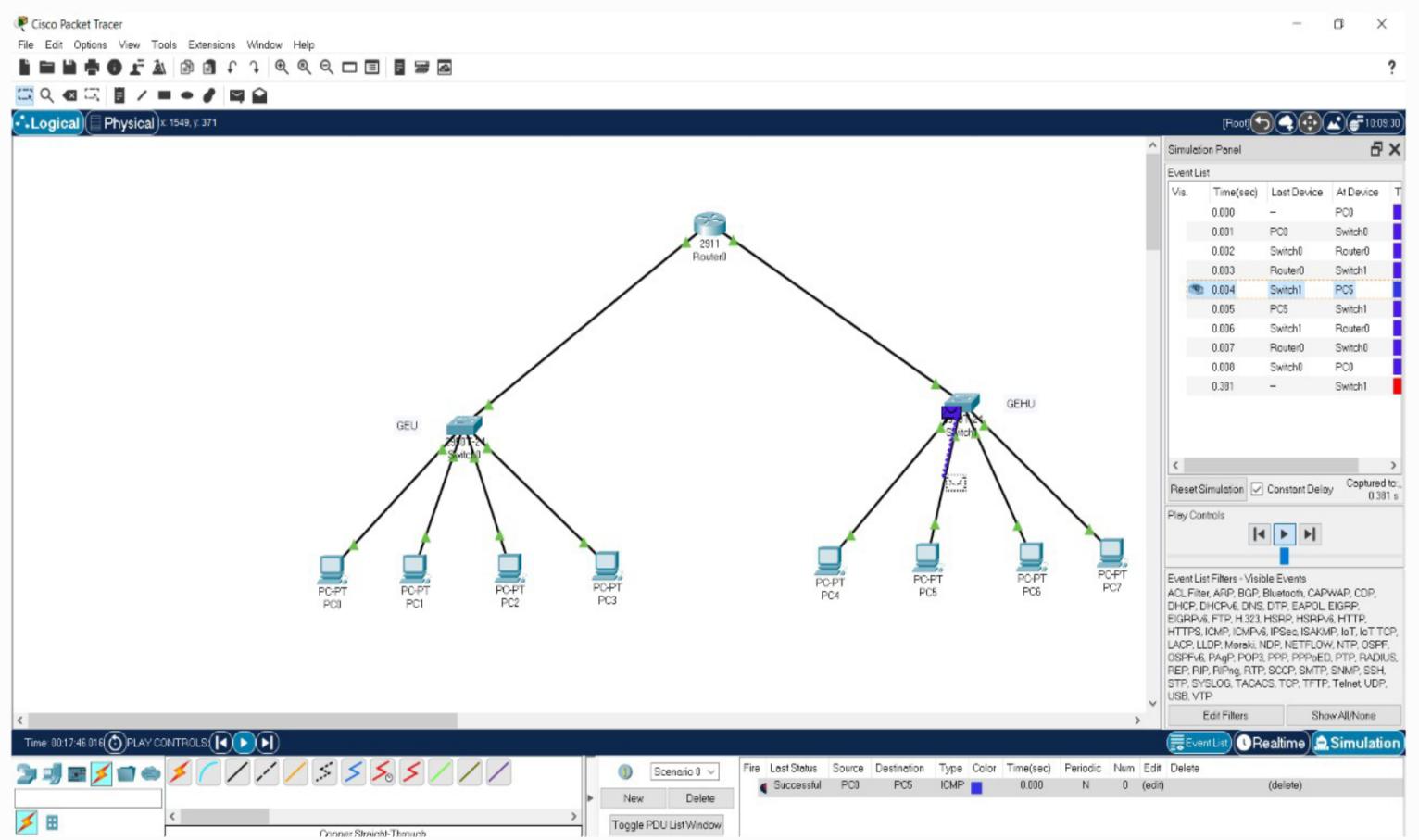
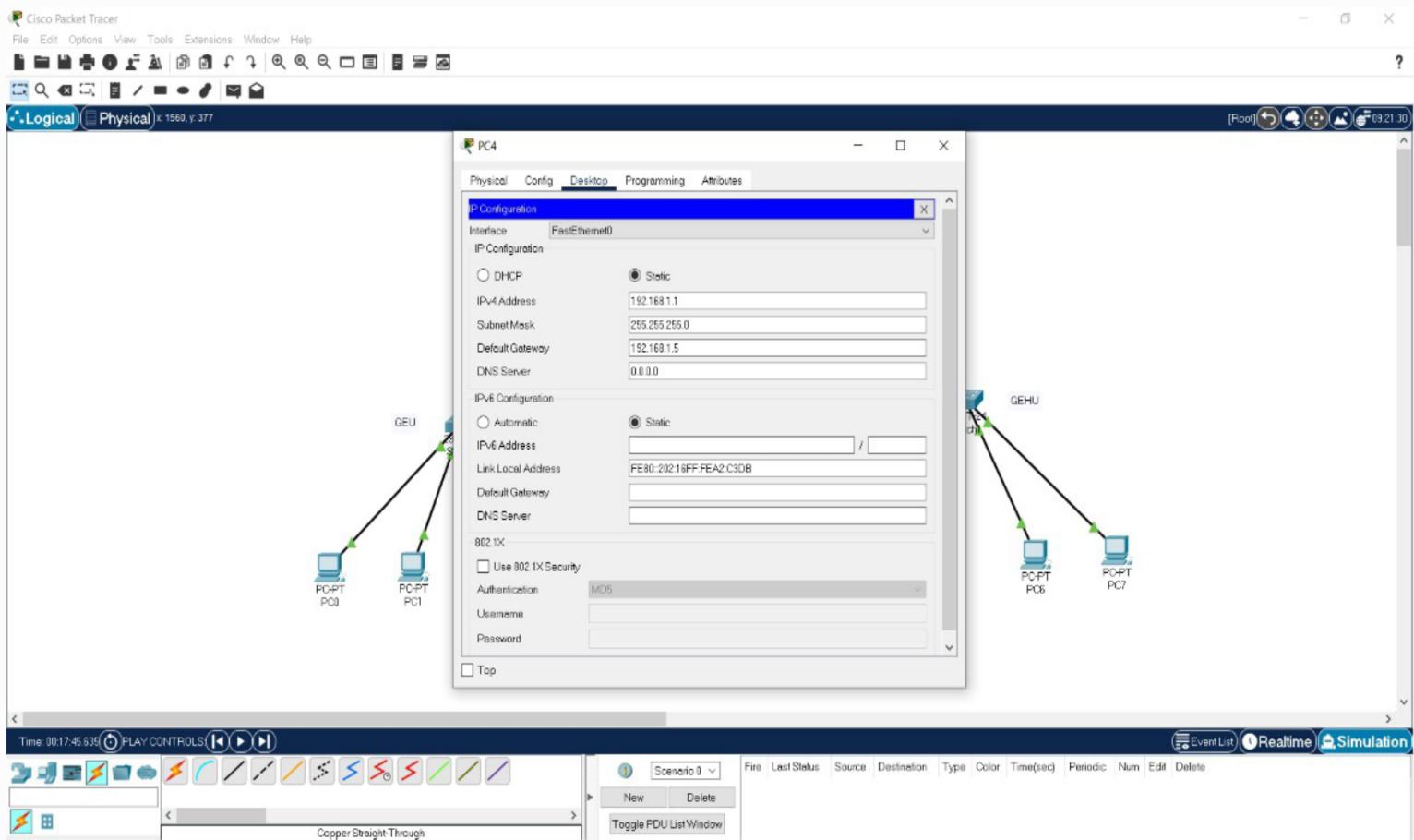
turn off > place WIC 1T in physical device's view > and then turn on.

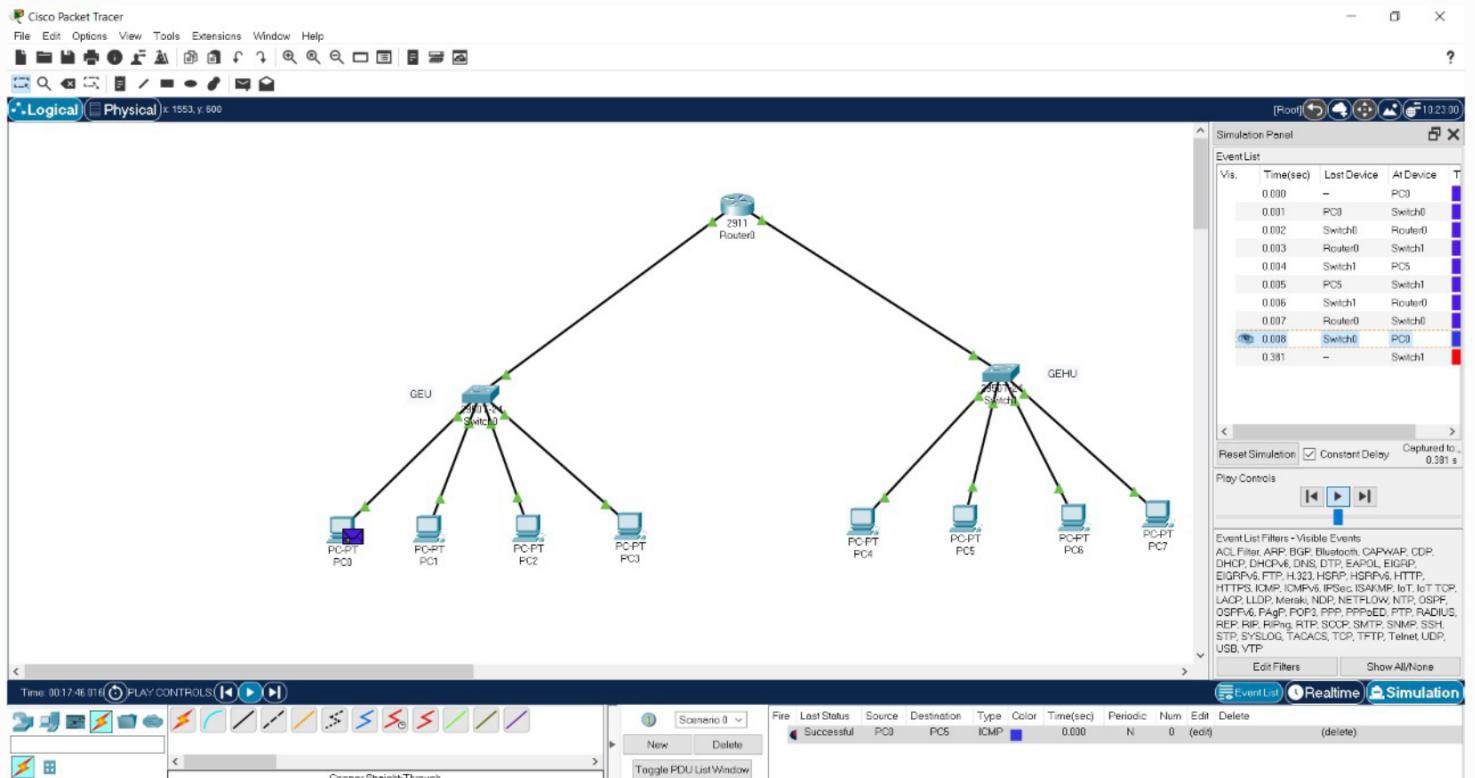
this will established the connection from router to switches.

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. 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.







* STEPS TO DESIGN A NETWORK BETWEEN THE SOC DEPARTMENT OF GEU AND GEHU.

Step 1: Create LAN 1 with 4 PC's & create LAN 2 with 4 PC's.

Step 2: Connect both LAN with router & configure the router.

Step 3: Default Gateway set for LAN-1 is 10.0.0.5
Default Gateway set for LAN-2 is 192.168.1.5

Step 4: Sending PDU to see if connection or to check the connections.

