Computer Networks (CS303)

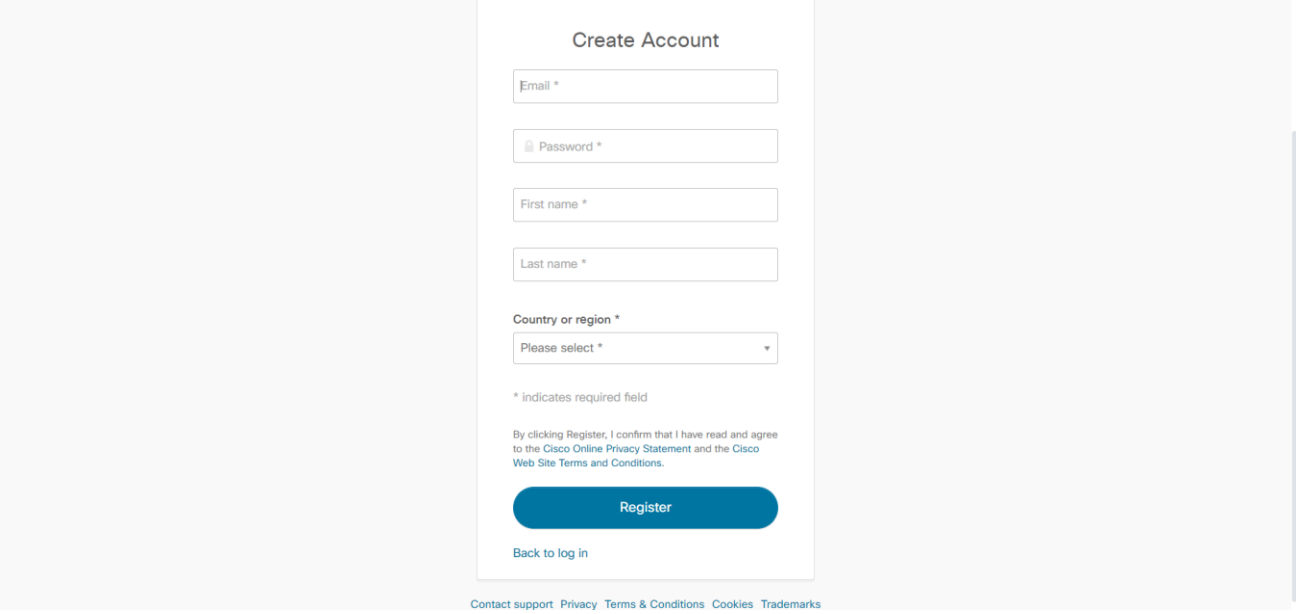
Assignment - 3

U19CS012

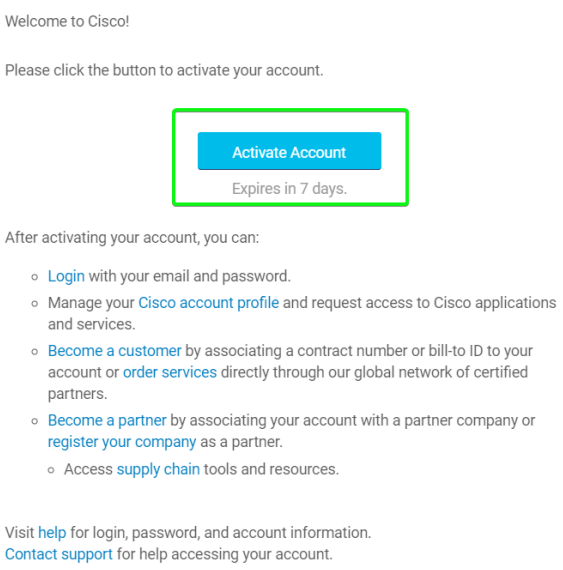
Getting Familiar with Cisco Packet Tracer

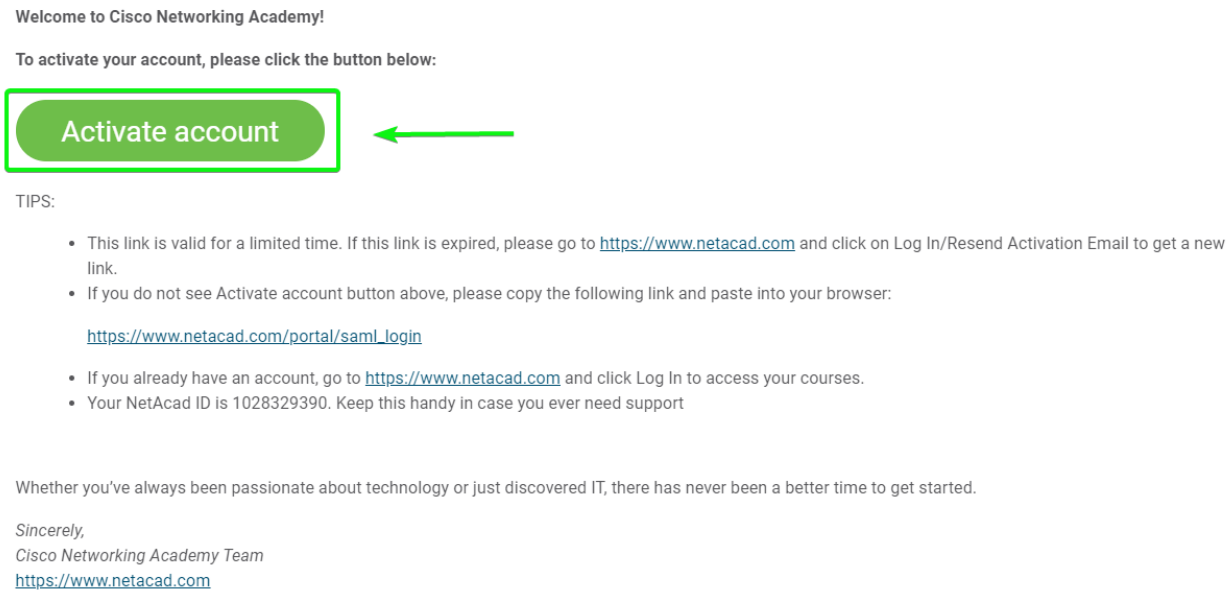
A.) Installation Steps

1. Sign Up [https://id.cisco.com/signin/register]



2. Account Activation on Email





Welcome to Cisco Networking Academy!

To activate your account, please click the button below:

Activate account

TIPS:

- This link is valid for a limited time. If this link is expired, please go to https://www.netacad.com and click on Log In/Resend Activation Email to get a new link.
- If you do not see Activate account button above, please copy the following link and paste into your browser:

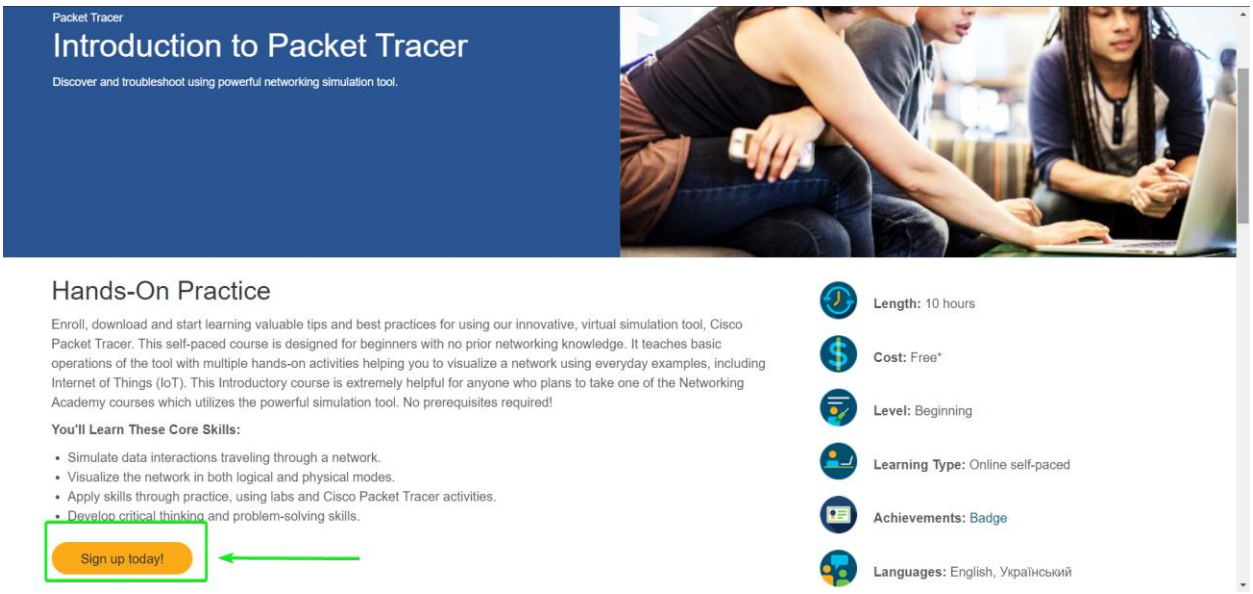
  https://www.netacad.com/portal/saml_login

- If you already have an account, go to https://www.netacad.com and click Log In to access your courses.
- Your NetAcad ID is 1028329390. Keep this handy in case you ever need support

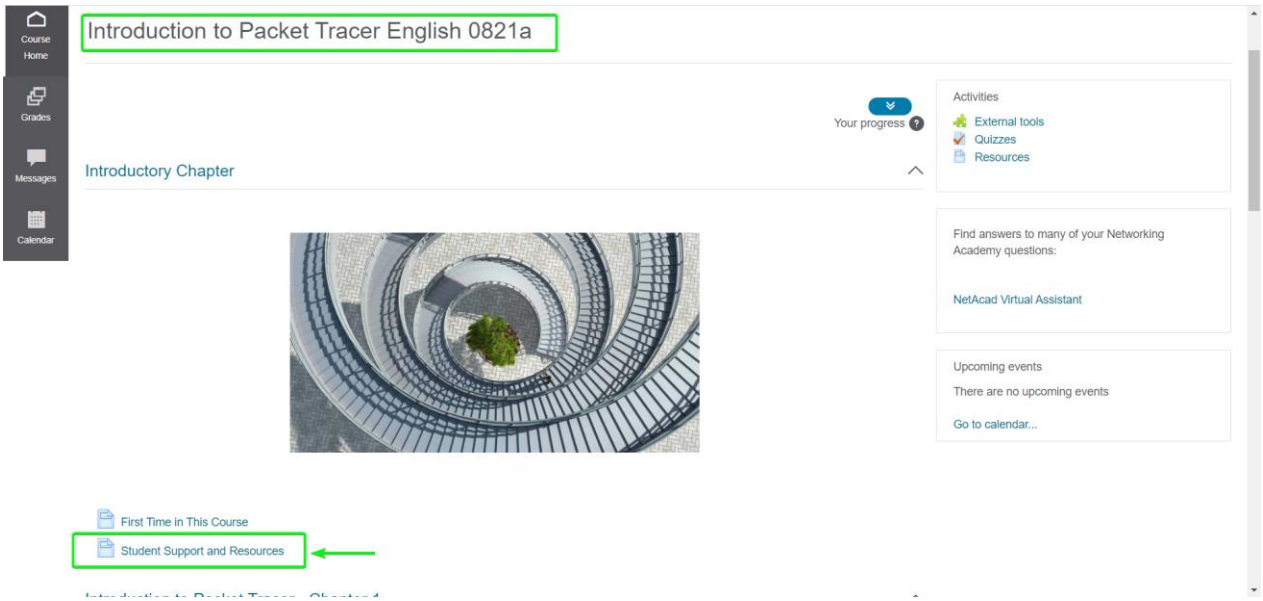
Whether you've always been passionate about technology or just discovered IT, there has never been a better time to get started.

Sincerely,
Cisco Networking Academy Team
https://www.netacad.com

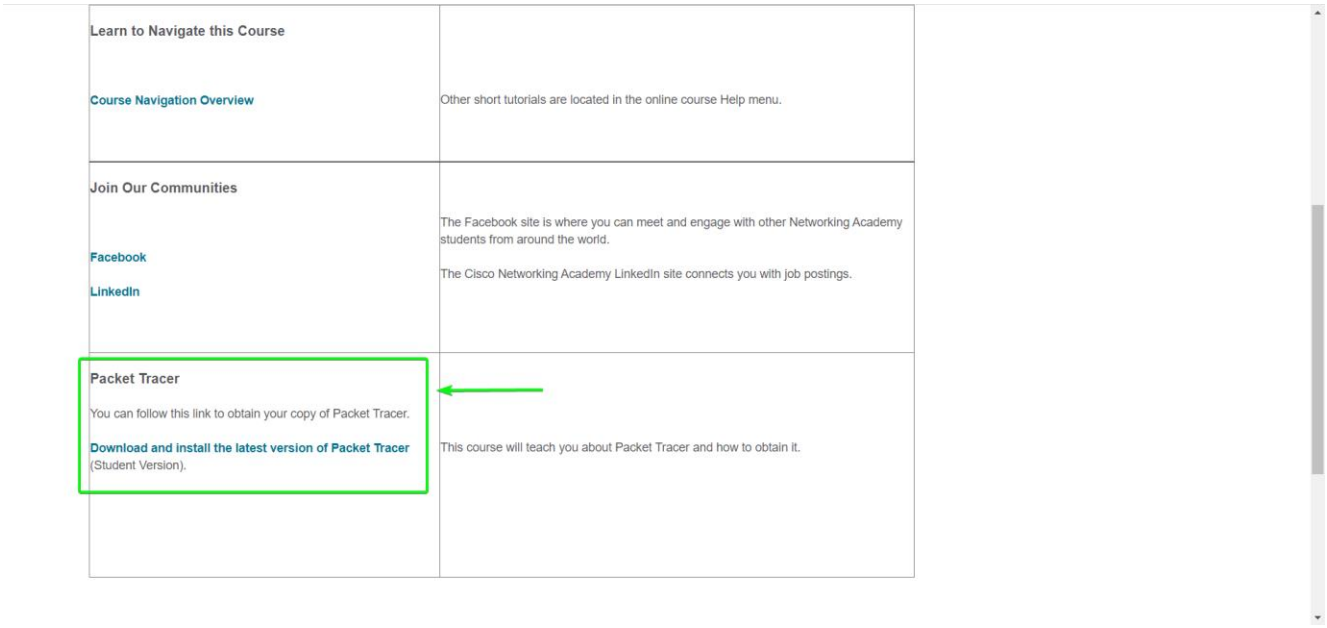
3. Enroll in this Course [https://www.netacad.com/courses/packet-tracer/introduction-packet-tracer]



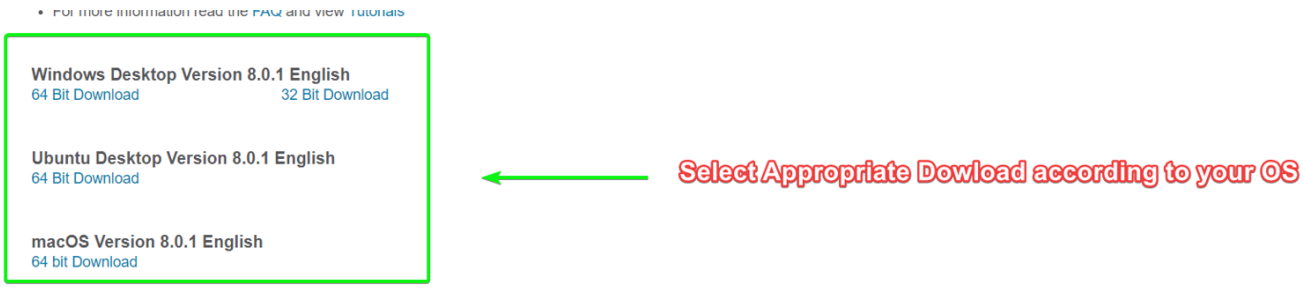
4. Go to this Course "**Introduction to Packet Tracer English 0821a**" & Click on "Student Support and Resources Page"



5. Third Row ["Packet Tracer"] in Table will have the Installation Link of the Software

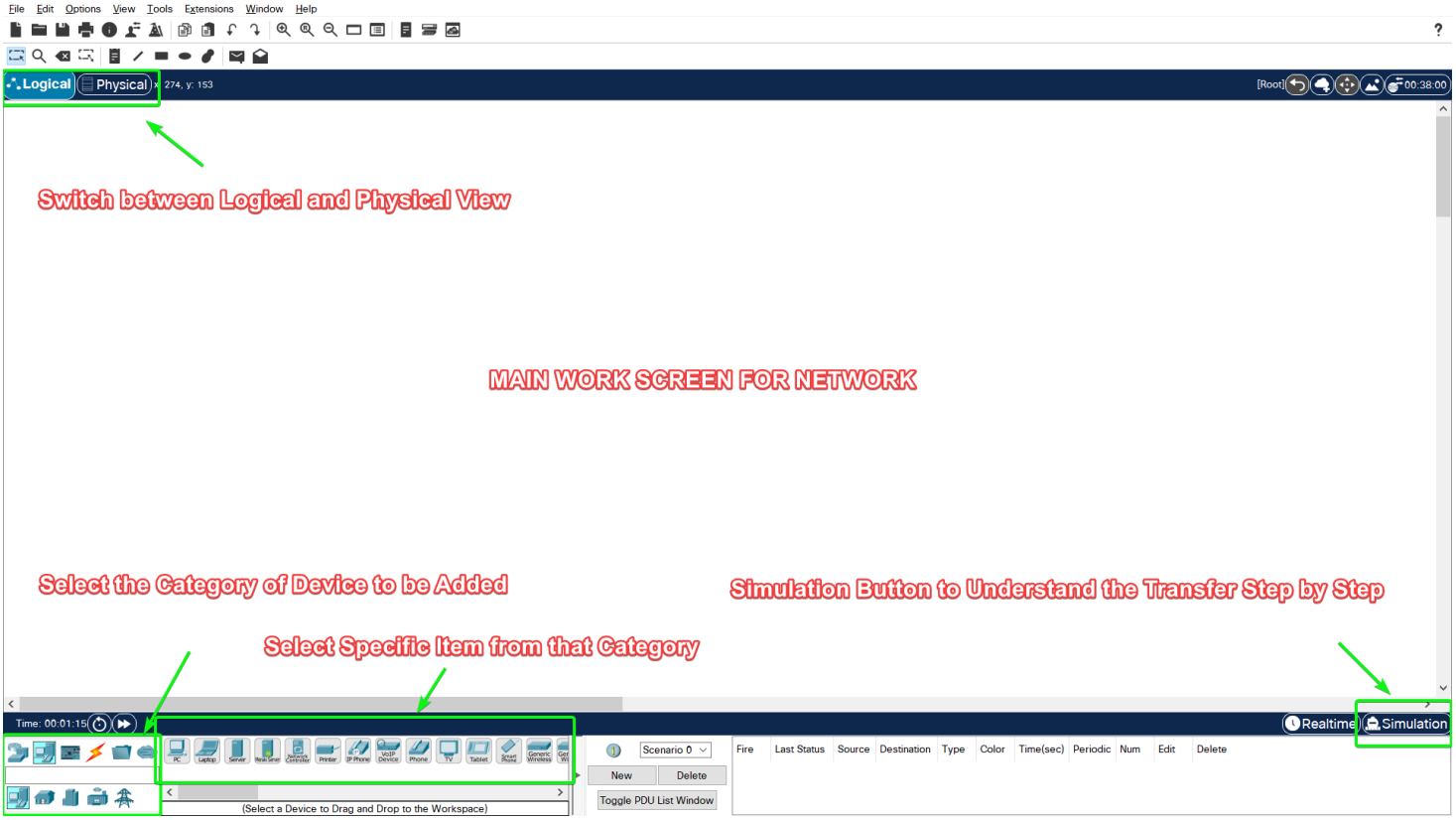


6. Wait Patiently for it to Download [200 MB File]



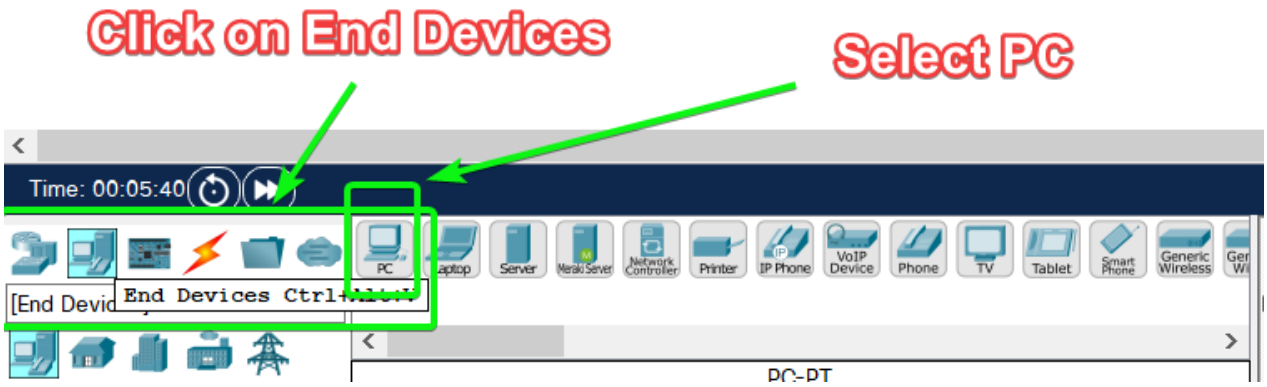
B.) Understanding the Interface

Packet Tracer is a tool that allows you to simulate real networks.



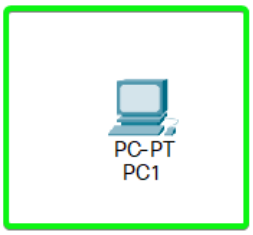
C.) Create Simple Network of 2 Computers

Step 1

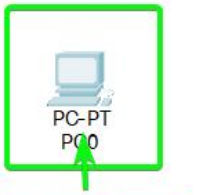


Step 2

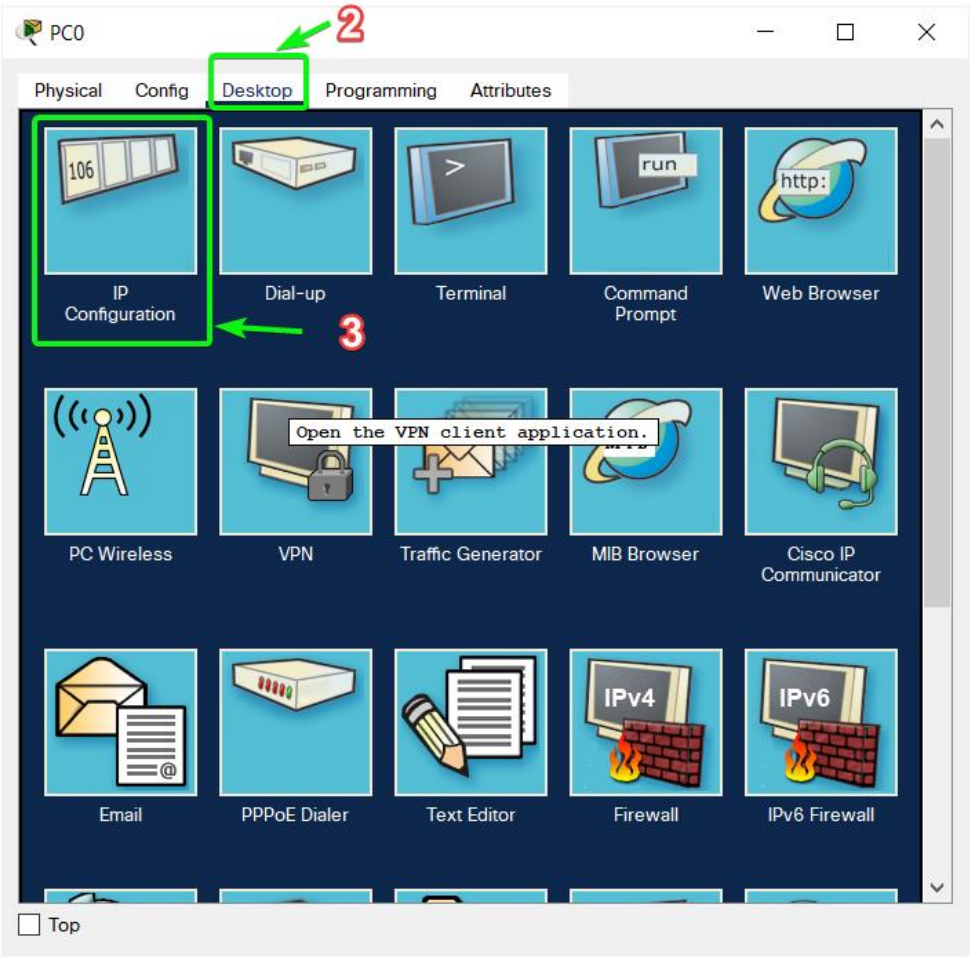
Place 2 Computers



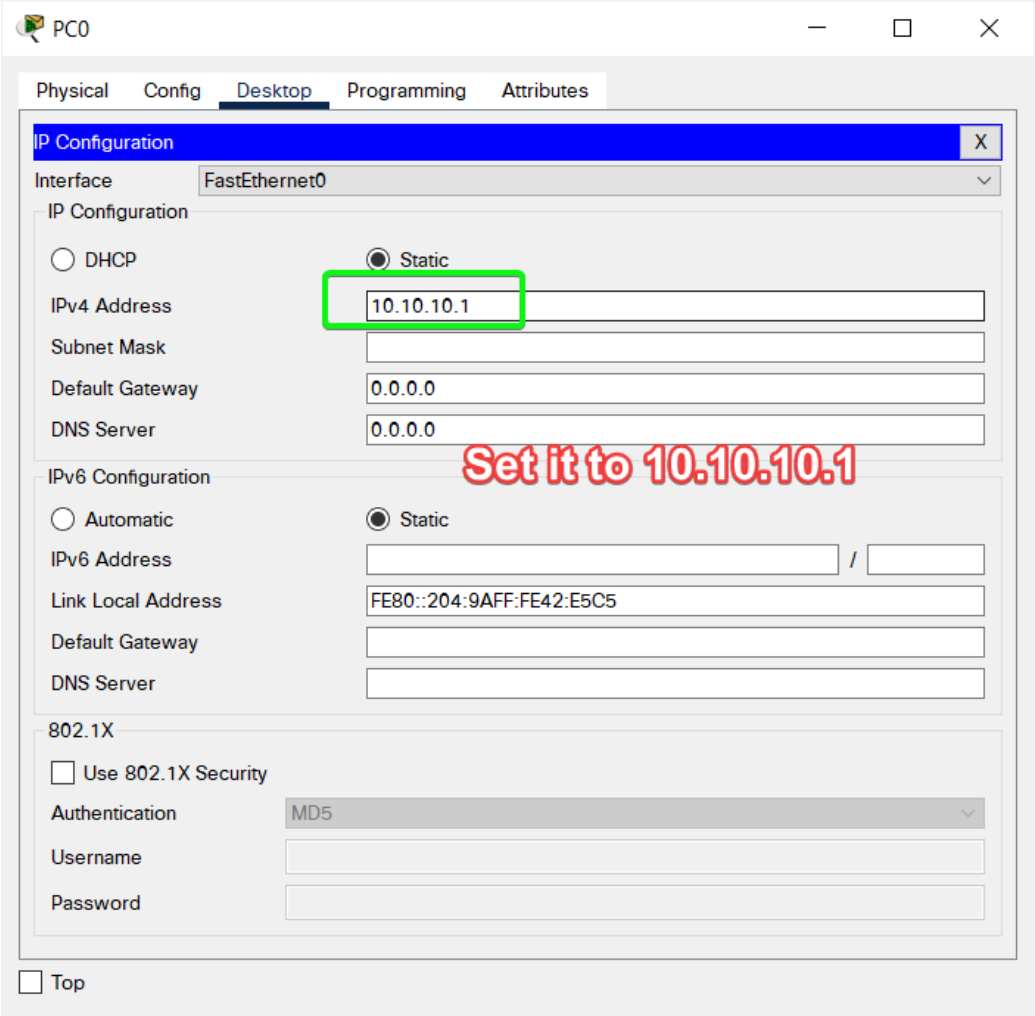
Step 3: IP Configuration



1 - Left Click

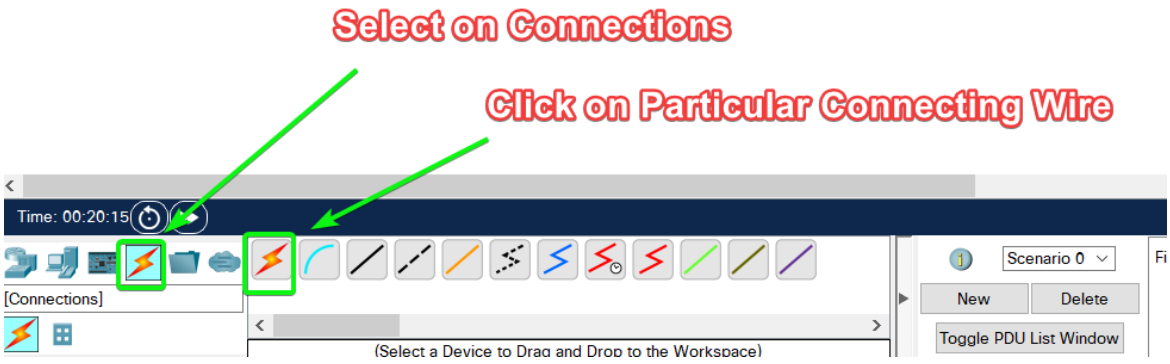


Step 4: Set IPv4 Address



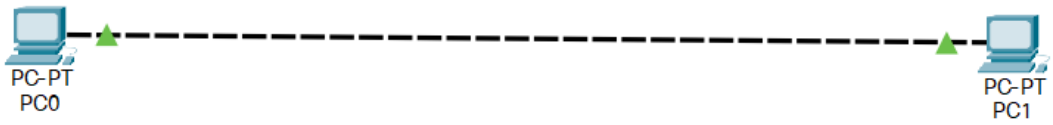
[Do Similar Step of Setting IPv4 Address for Other Devices as well]

Step 5: Select Connecting Wire



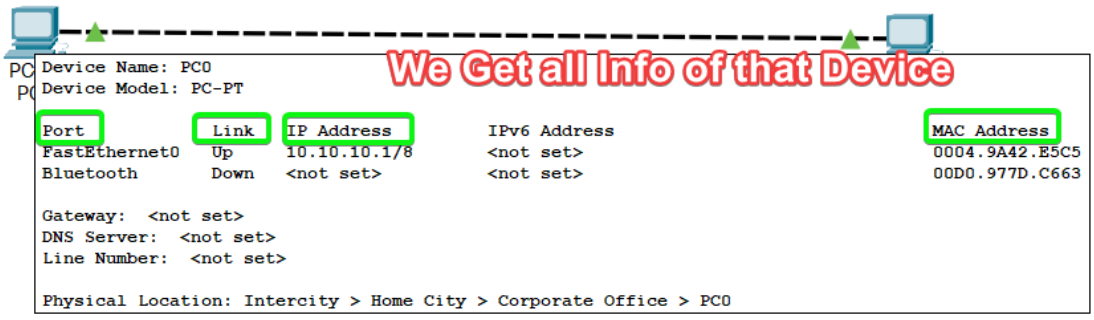
Step 6: Establish Connection

Click on One Node and then Select second Node

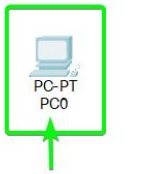


Step 7: Hover Over and Check if Link is **Up**

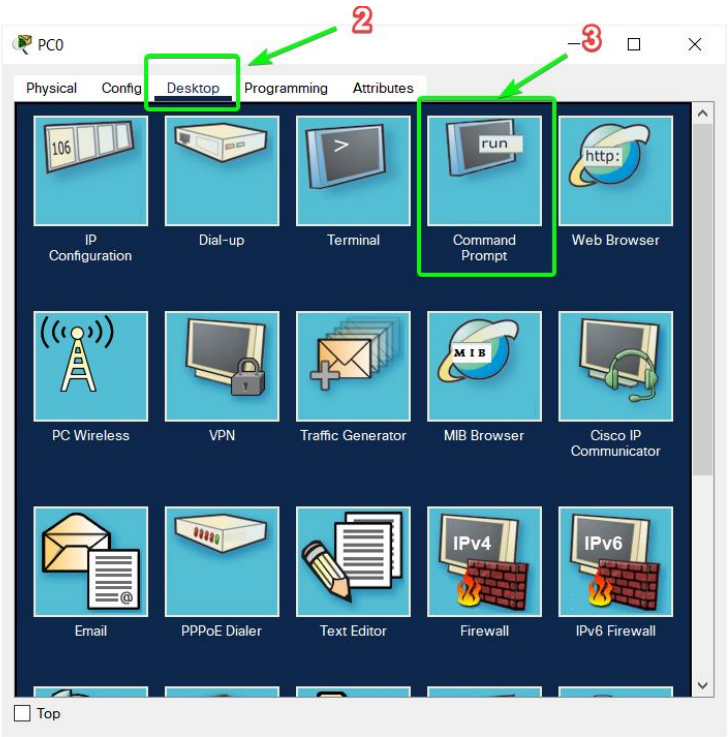
Hover Over



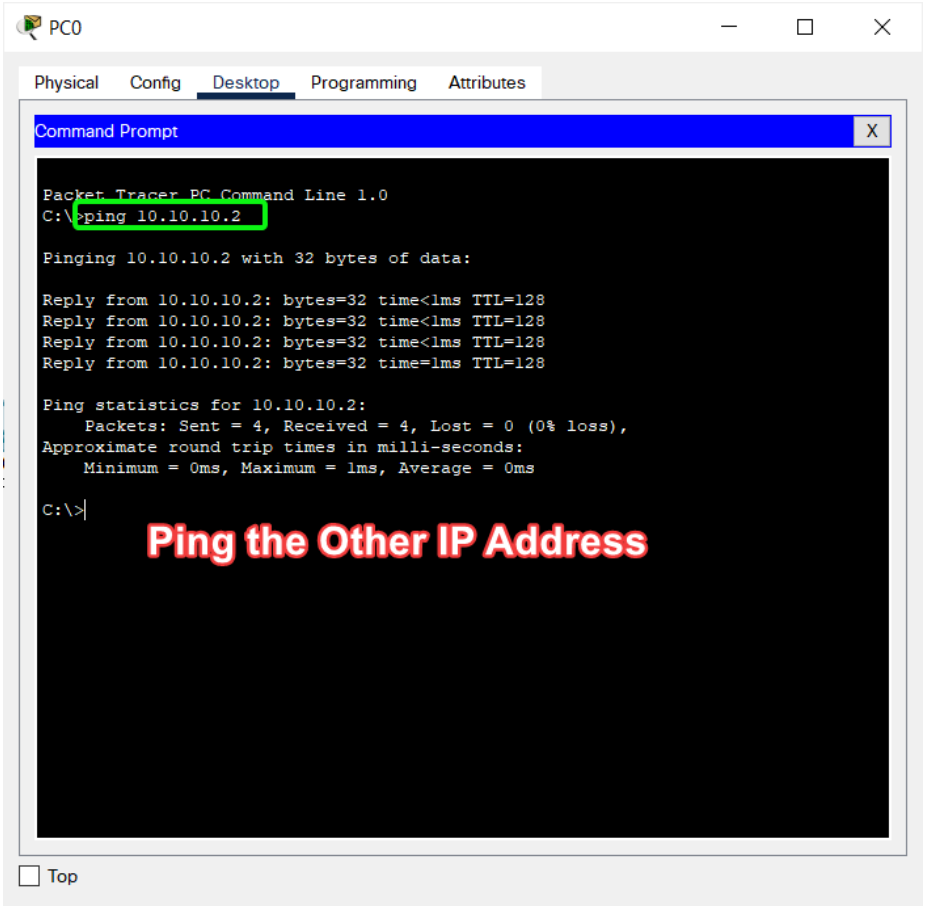
Step 8: Ping the Other Computer



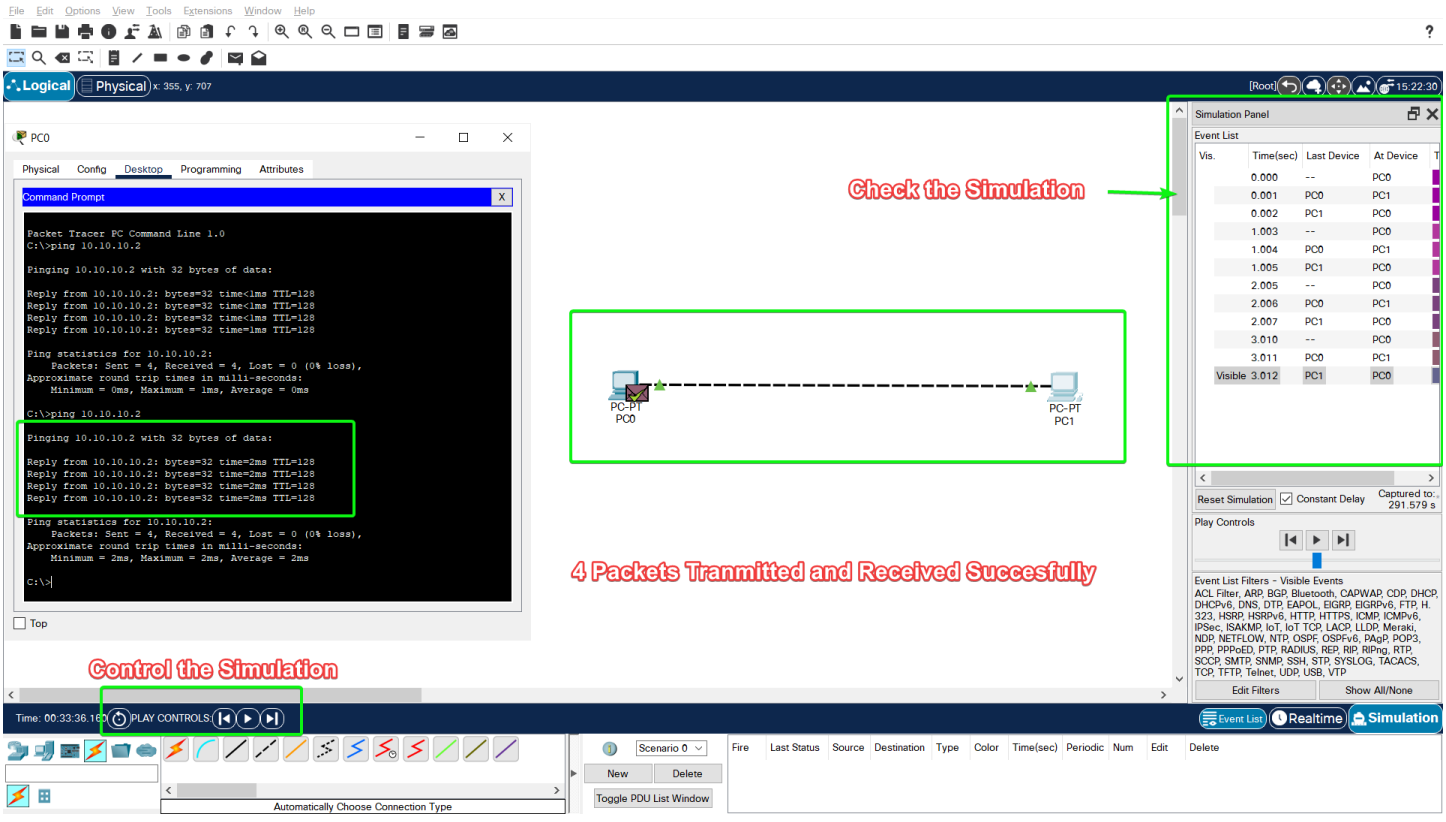
1 - Left Click



Step 9: Write Command

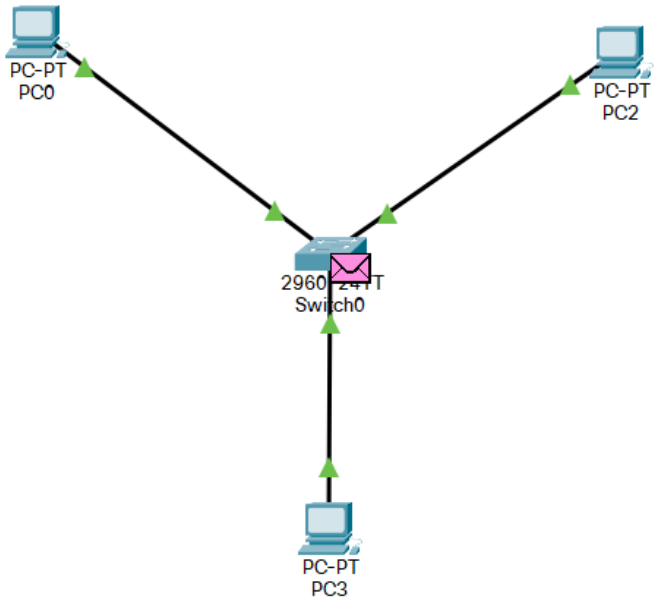


Step 10: You can also see the Step By Step Transfer Using the **Simulation** Button



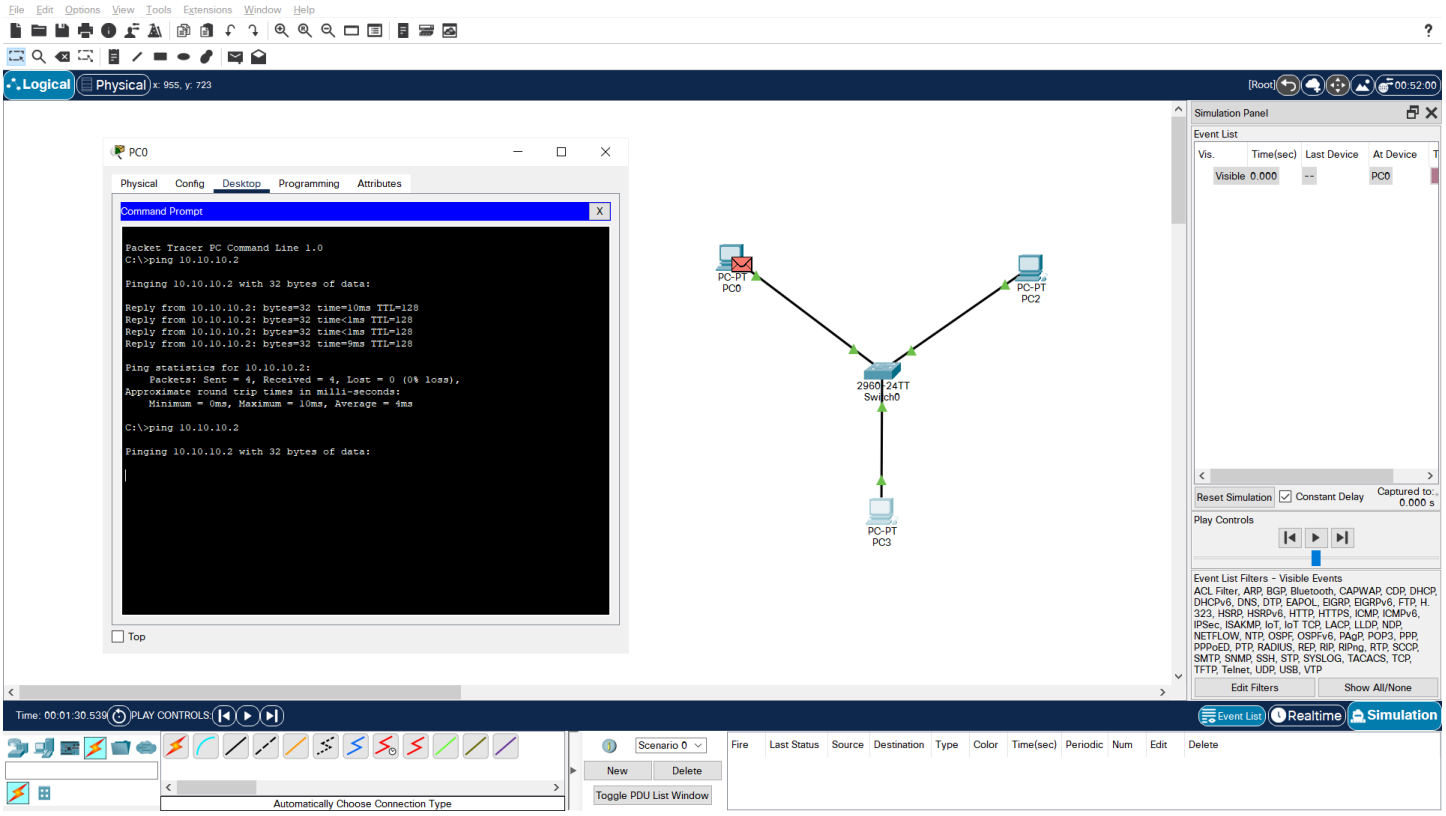
D.) Create Simple Network of 3 Computers & Switch

Step 1: Draw the Below Shown Network

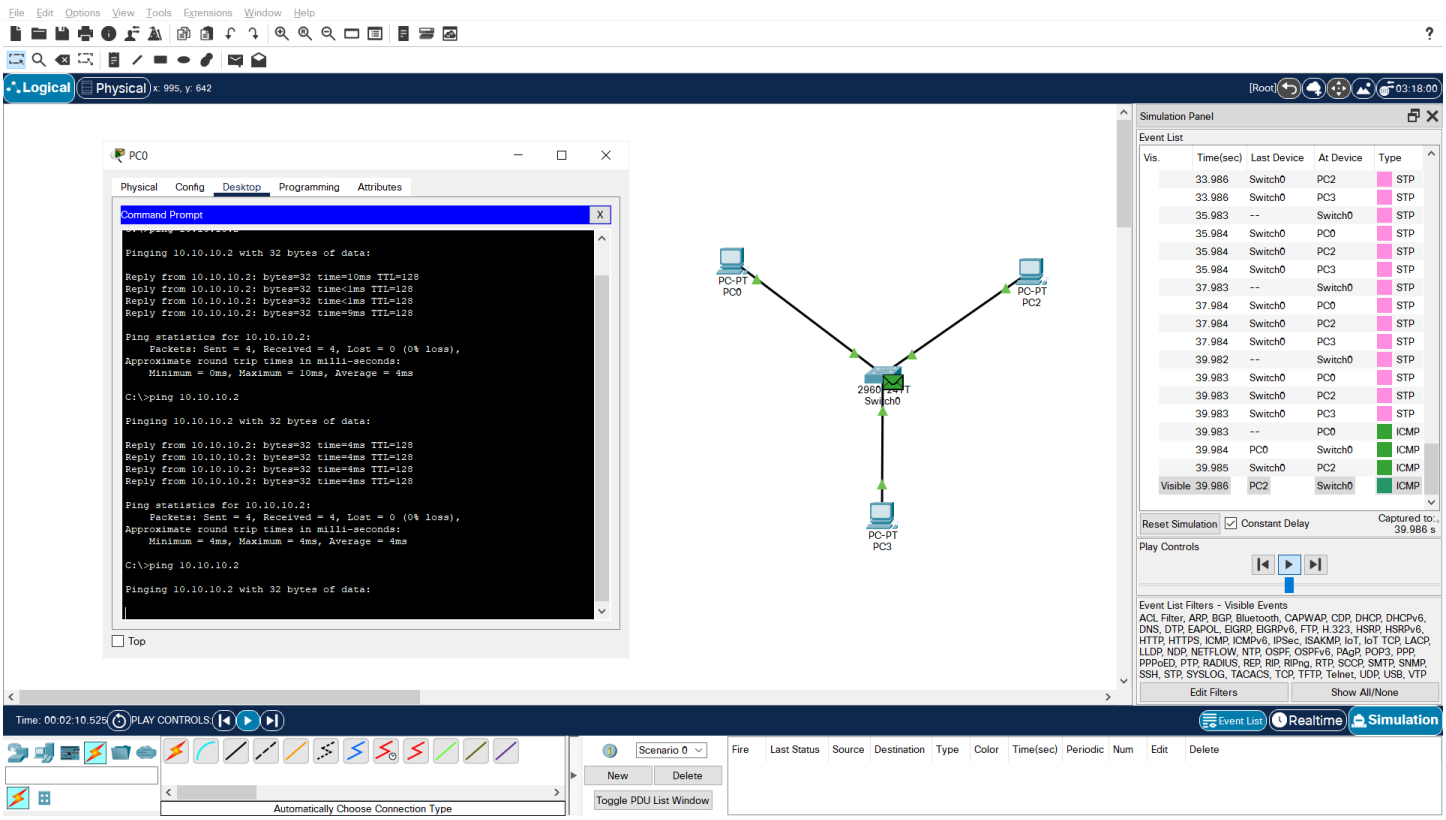


Step 2: Send Ping Request to another Node [Simulation]

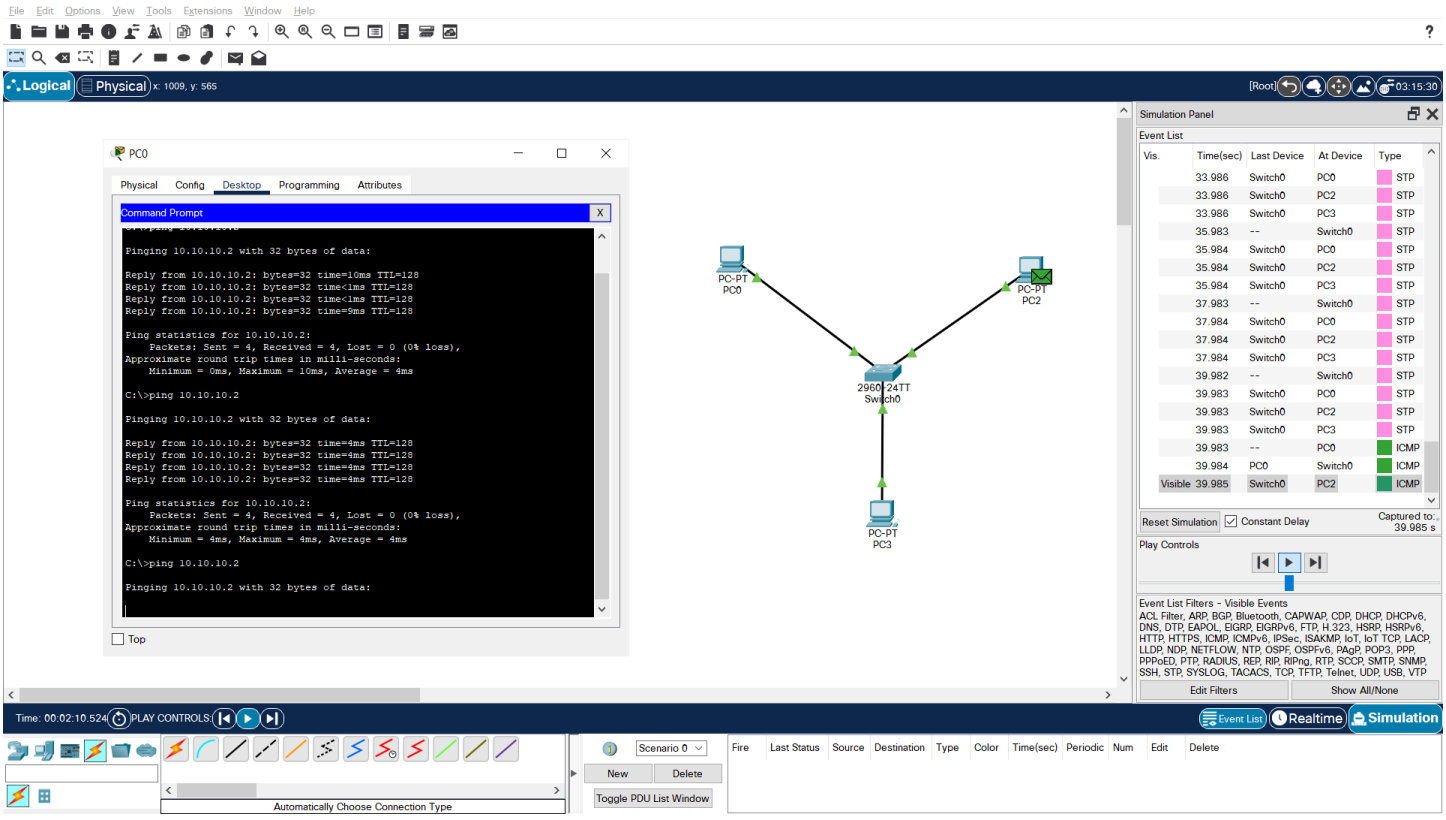
Packet ready to be sent



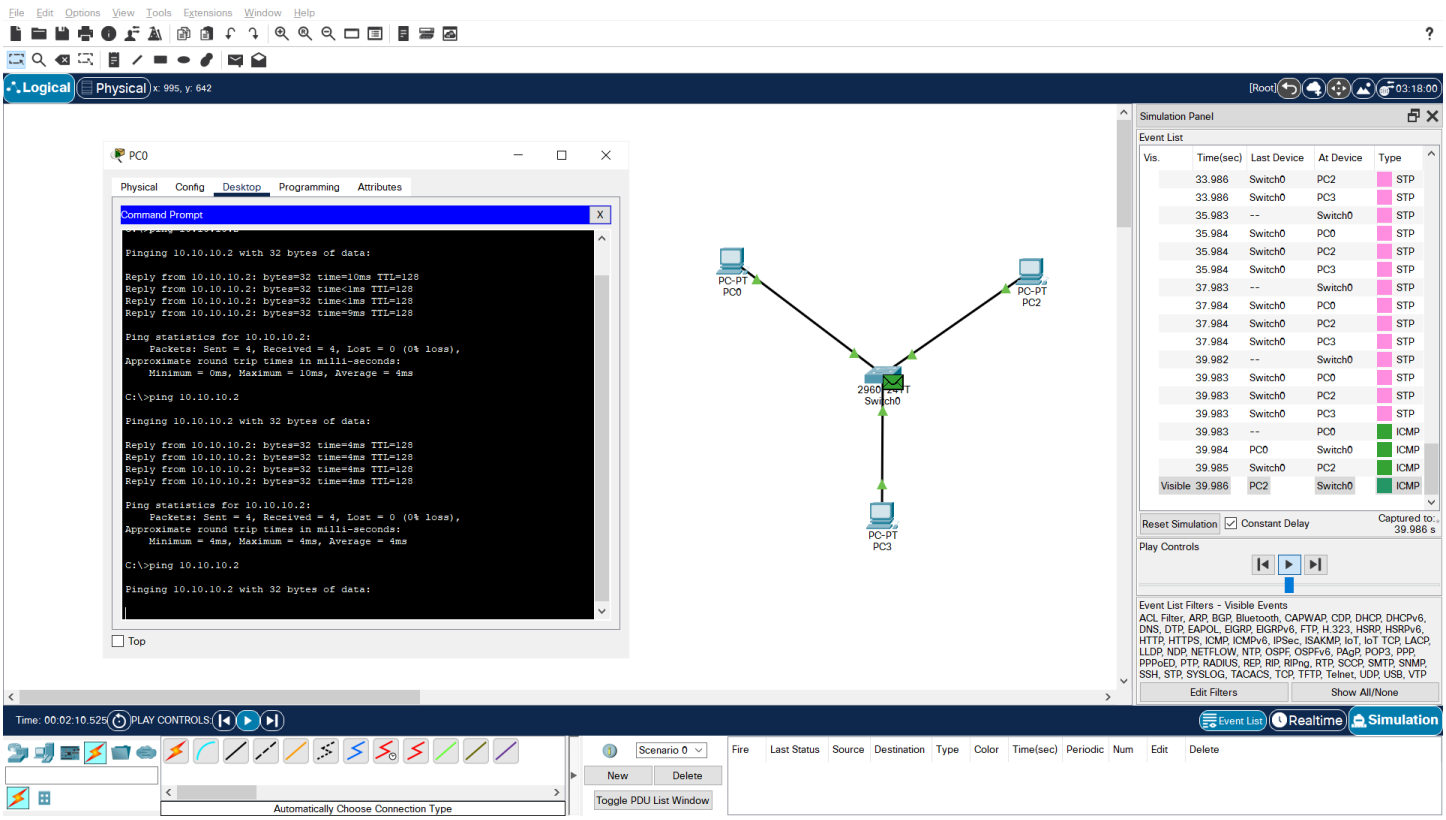
Packet Sent via Router



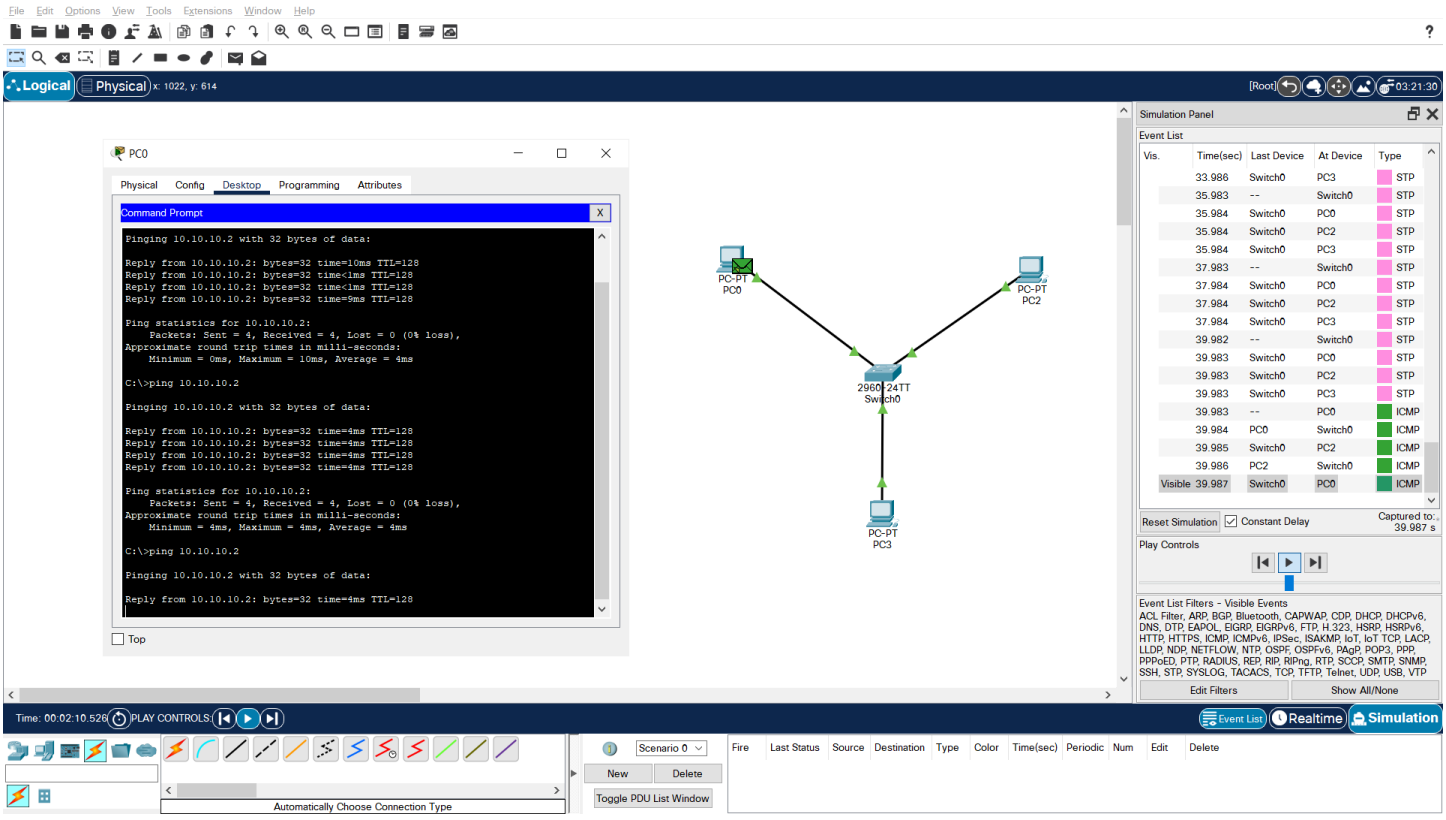
Packet Received to another Node



Packet Send from another Node to Switch

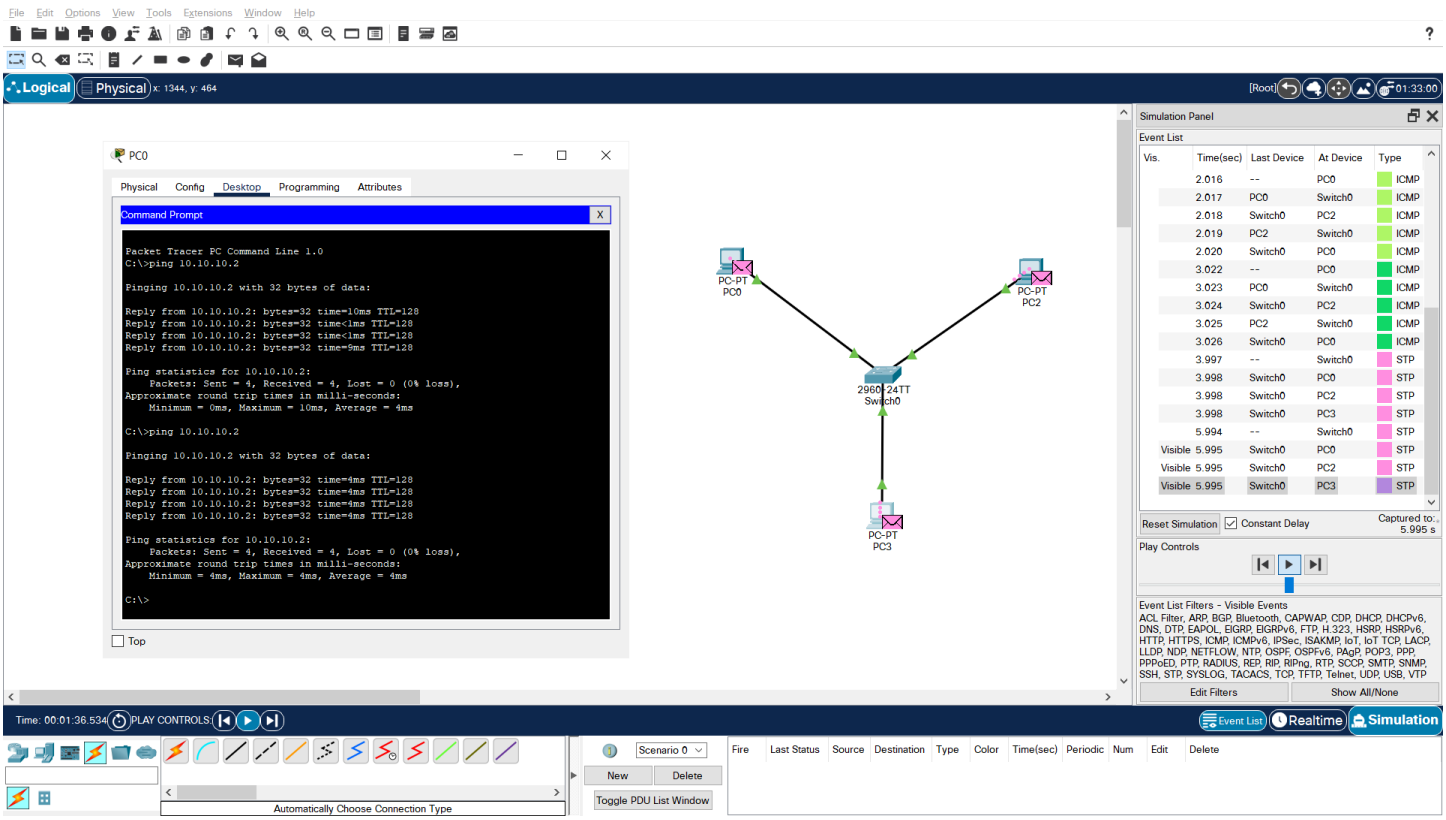


Packet Received Successfully



[Process Repeats for Remaining 3 Packets]

Step 3: All 4 Packets Transferred and Received Successfully!



In this Practical Class, we Installed Cisco Packet Tracer and Got Familiar with its Interface.

We also Built Two Simple Networks and Tested it's Functionality using Simulator.

SUBMITTED BY:

U19CS012

BHAGYA VINOD RANA