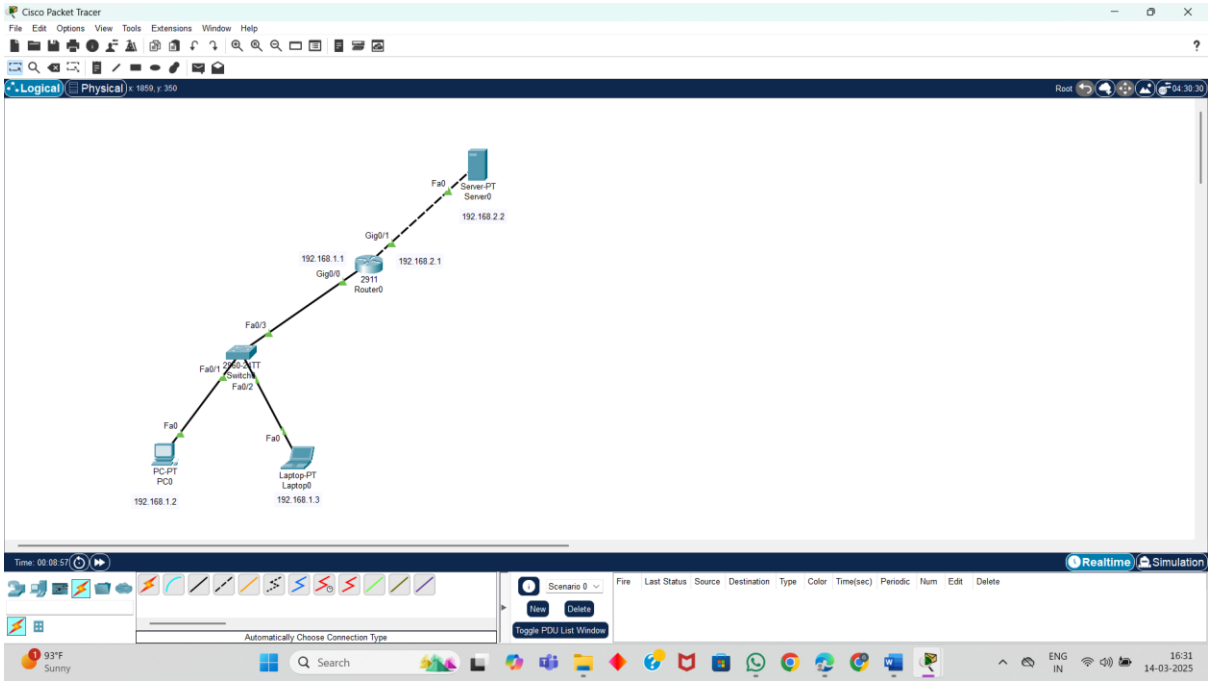
Register No:	**99220040570**
Name	**K. Hanumaan**
Class/Section	**8501 A/S06**
Ex. No:	**16**
Name of the Experiment	**E-mail Server Configuration**
Google Drive link of the packet tracer file (give view permission):	https://drive.google.com/drive/folders/1i8SAe2LyrhDB1oG4d1VPeTAXFDE34Hcz?usp=drive_link

1. **Device Requirements:**

   1. Router0
   2. Switch0
   3. Server0
   4. PC0
   5. Laptop0

2. **Network Diagram for your experiment (draw the diagram either hand drawing/ms paint or any other drawing tools)**

3. Network Diagram (packet tracer diagram before configuration):



4. Configuration details:

Device Name	Interface Name	IP Address	Subnet mask

5. Describe step by step configuration steps properly (you may copy the commands used in the configuration tab and paste it.)

1. Ping
2. Configure Terminal
3. SMTP for Outing Mail
4. POP3 for Incoming Mail

Router0:

Router>enable

Router#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface GigabitEthernet0/0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

ip address 192.168.1.1 255.255.255.0

Router(config-if)#ip address 192.168.1.1 255.255.255.0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface GigabitEthernet0/1

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

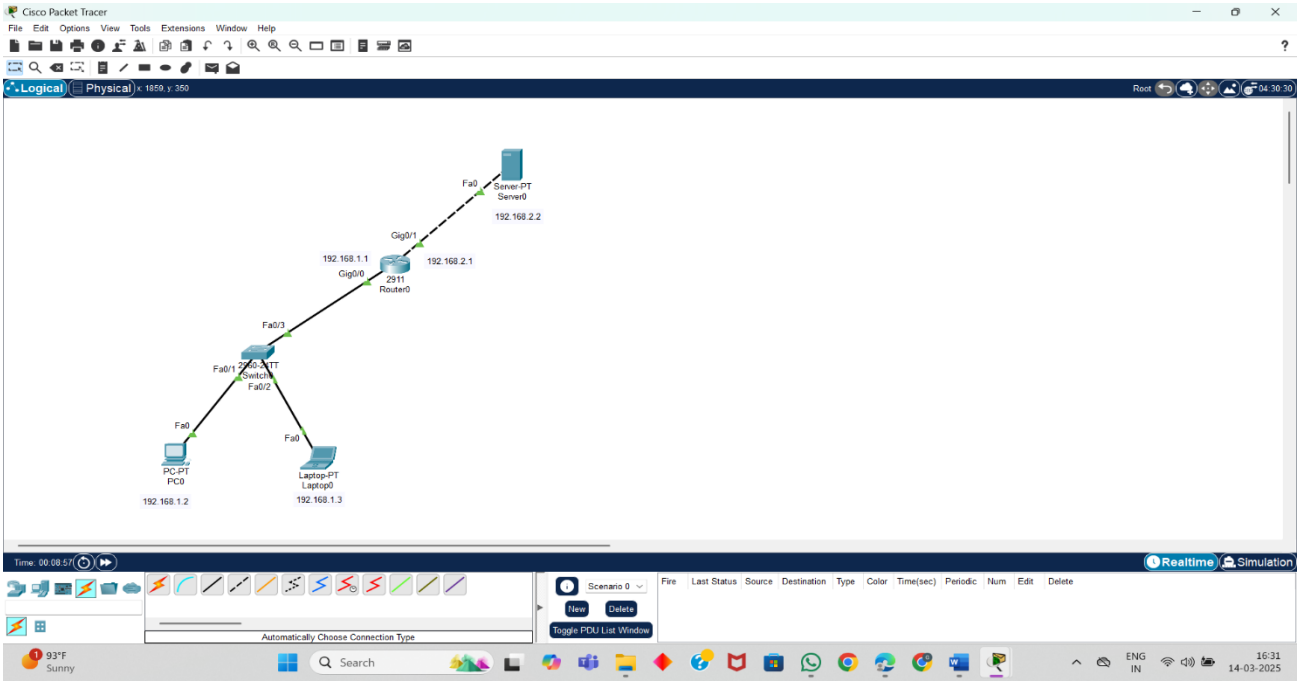
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

ip address 192.168.2.1 255.255.255.0

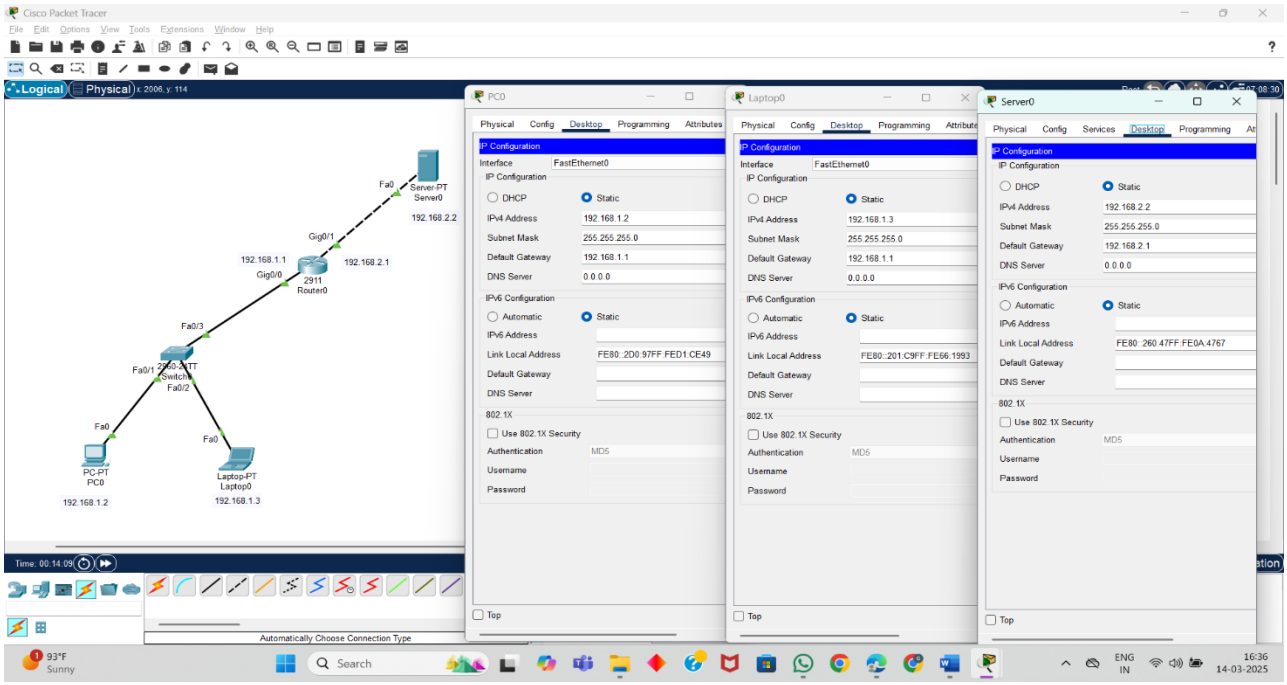
Router(config-if)#ip address 192.168.2.1 255.255.255.0

Router(config-if)#

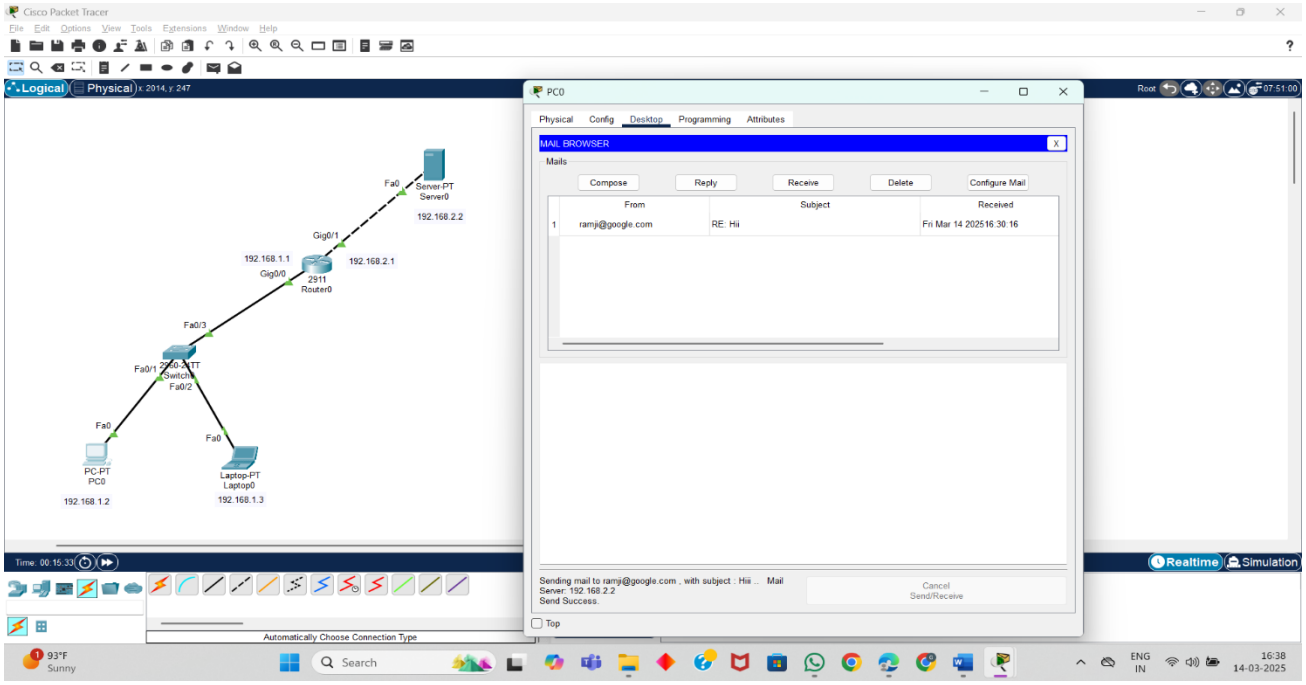
6. Output Diagram (Minimum 3 screenshot):



Network Diagram



Assigning IP Address



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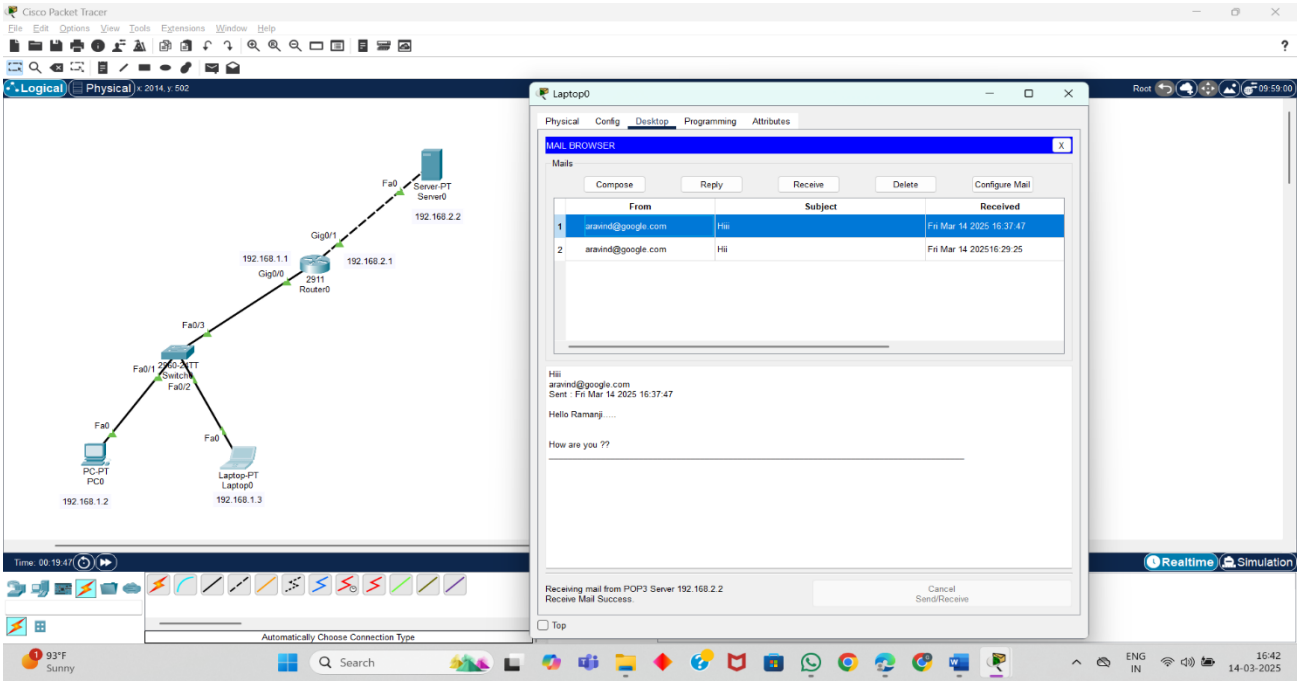

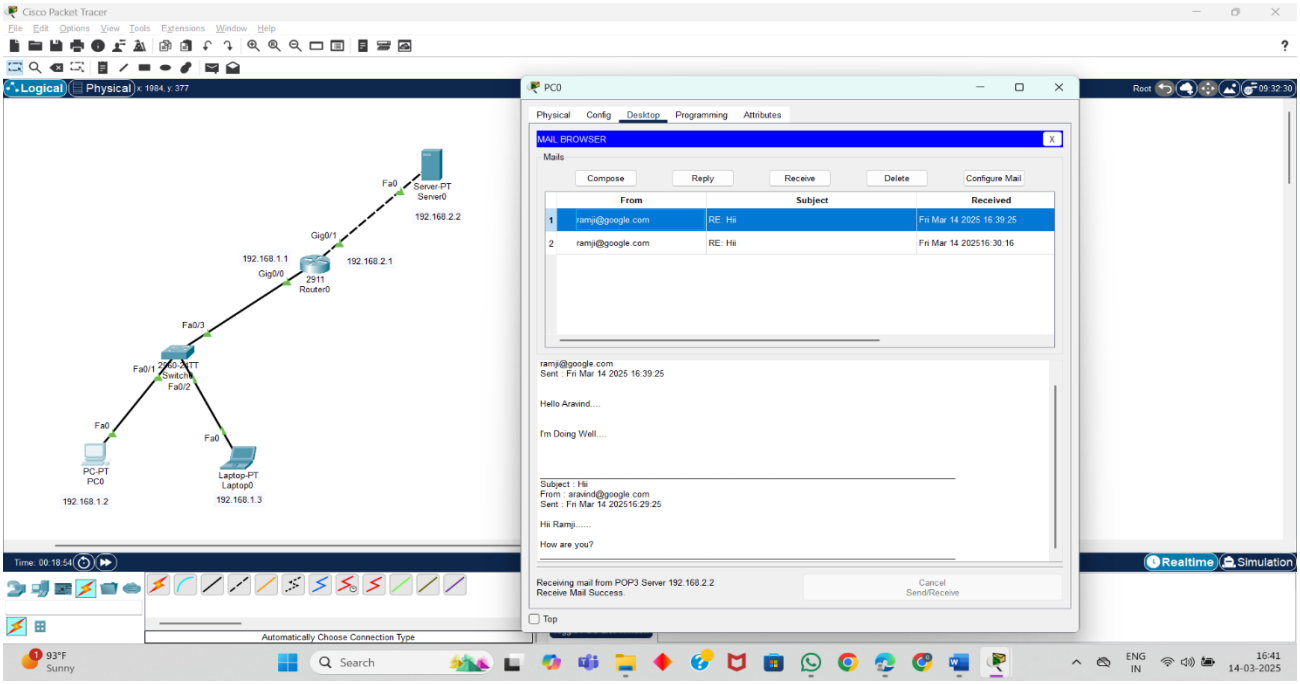

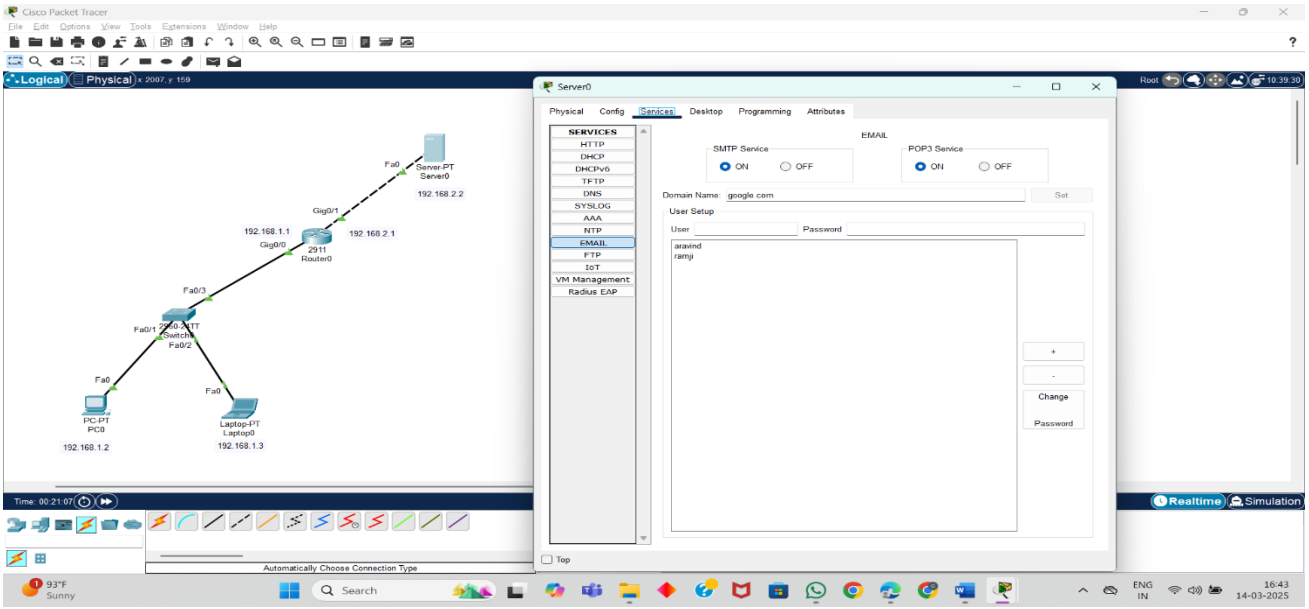

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CONCLUSION:

n this experiment, we configured an **Email Server** to enable the sending and receiving of emails within a network. By setting up protocols like **SMTP (Simple Mail Transfer Protocol) for outgoing mail** and **IMAP/POP3 for incoming mail**, we ensured smooth email communication.

Rubrics for Experiment Assessment:

Rubrics	**Good**	**Normal**	**Poor**	**Marks**
Creation of Topology (4)	Created the topology, Identify the proper devices and making the connections **(4)**	Created the topology, Identify the proper devices, making the connections But missing some features **(3)**	Created wrong topology, Failed to Identify the proper devices and making connections **(1)**	
Verify the connectivity (4)	Verified the connectivity in all the levels **(4)**	Verified the connectivity at some levels (only some nodes) **(2)**	Verified the connectivity is not done. **(1)**	
Timely Completion (2)	Completed the lab before the allotted time **(2)**	Completed the lab after the deadline **(1)**	Did not submitted before grading **(0)**	
Total				

Result: Thus the E-mail server conguration has been implemented and verified successfully.