

INSTITUTE OF COMPUTER TECHNOLOGY
B-TECH COMPUTER SCIENCE ENGINEERING 2025-26
SUBJECT: COMPUTER NETWORKS

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ENRLL NO: 23162171020

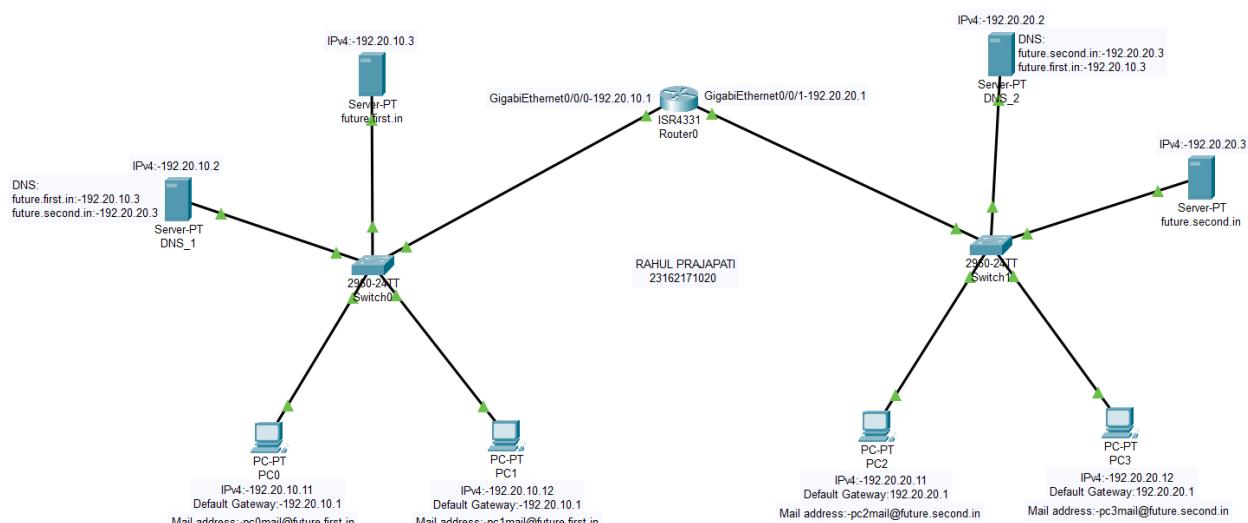
BRANCH: CYBER SECURITY

BATCH: 52

PRACTICAL_02

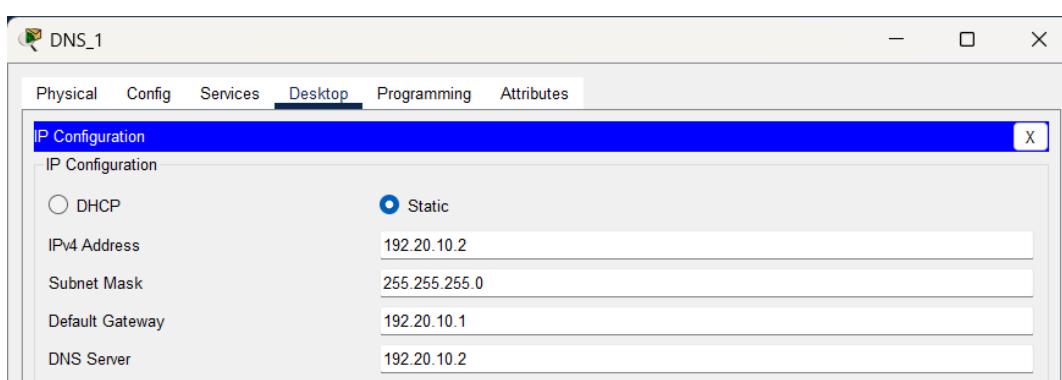
Aim: To demonstrate configuration of Mail Server (SMTP).

Network Design:-

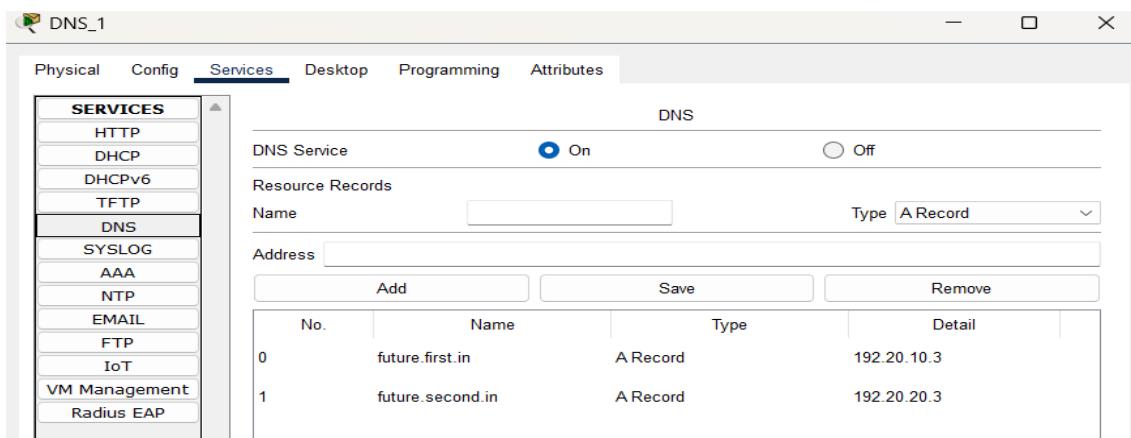


DNS Server Configuration:-

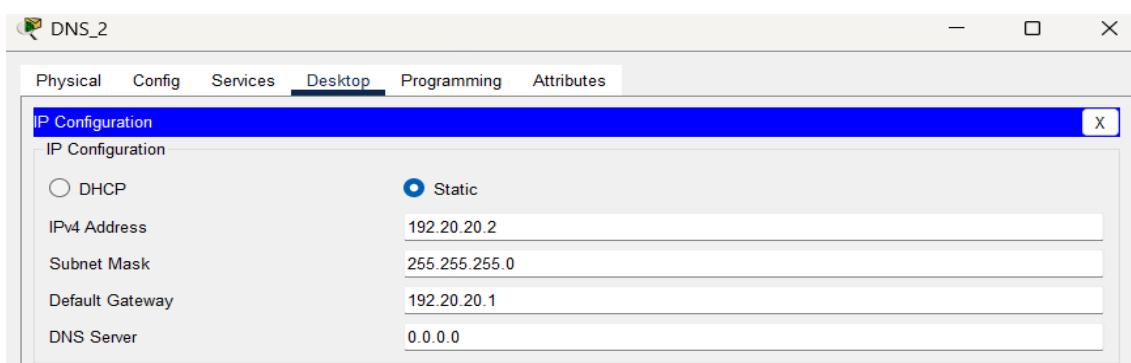
DNS_1 IP Configuration:-



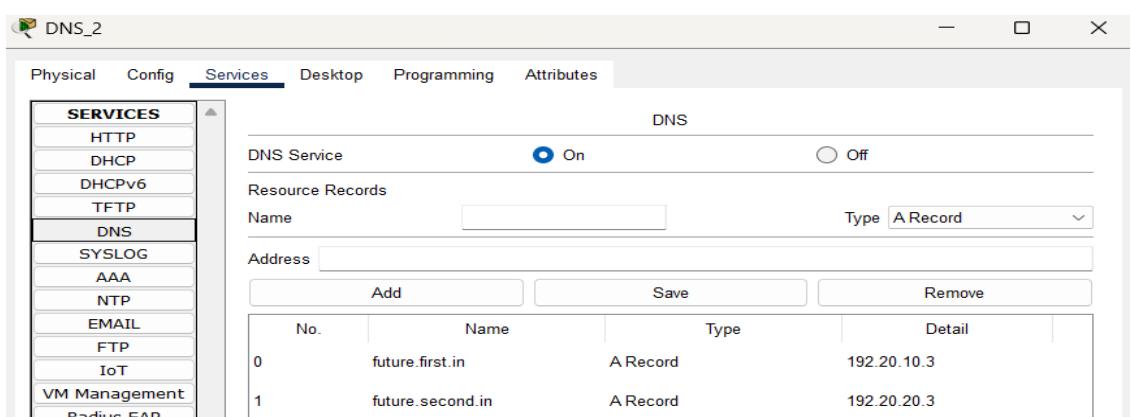
DNS_1 Service Configuration:-



DNS_2 IP Configuration:-

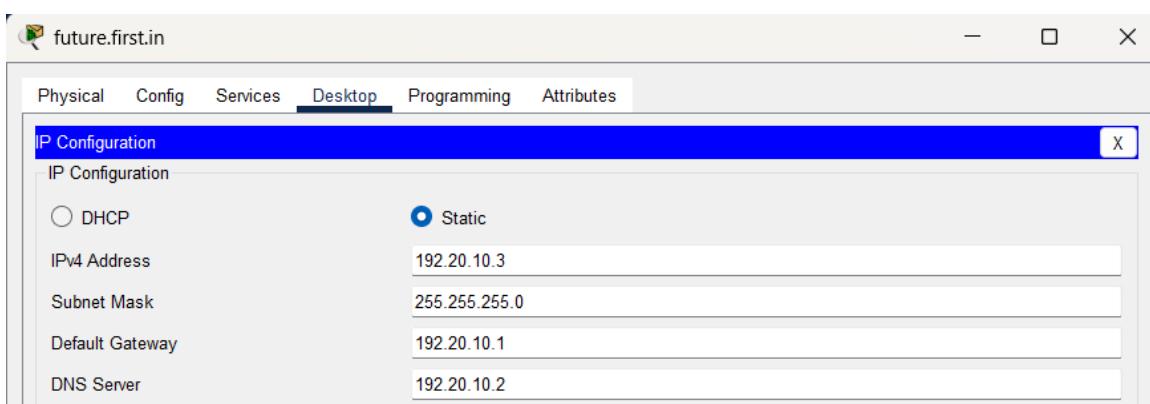


DNS_2 Service Configuration:-

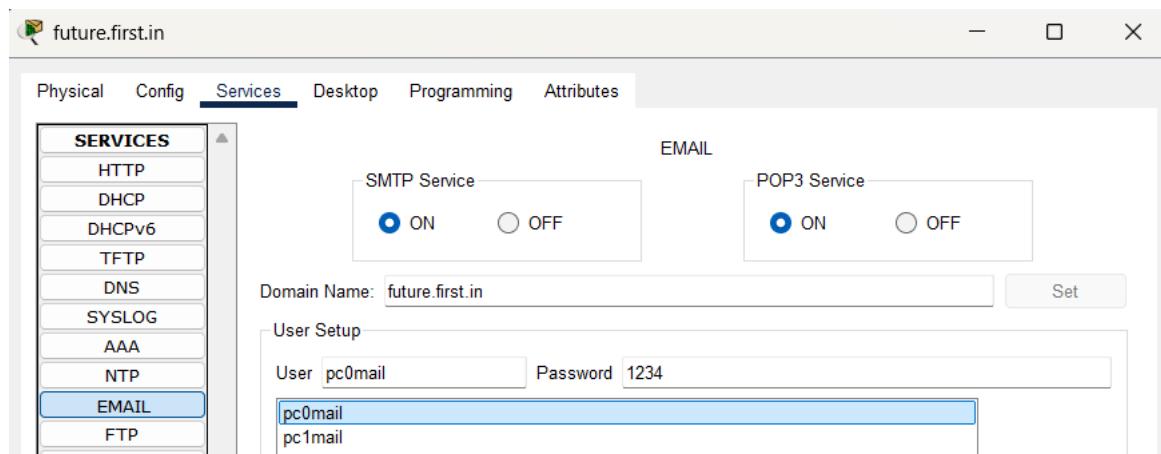


Mail Server Configuration:-

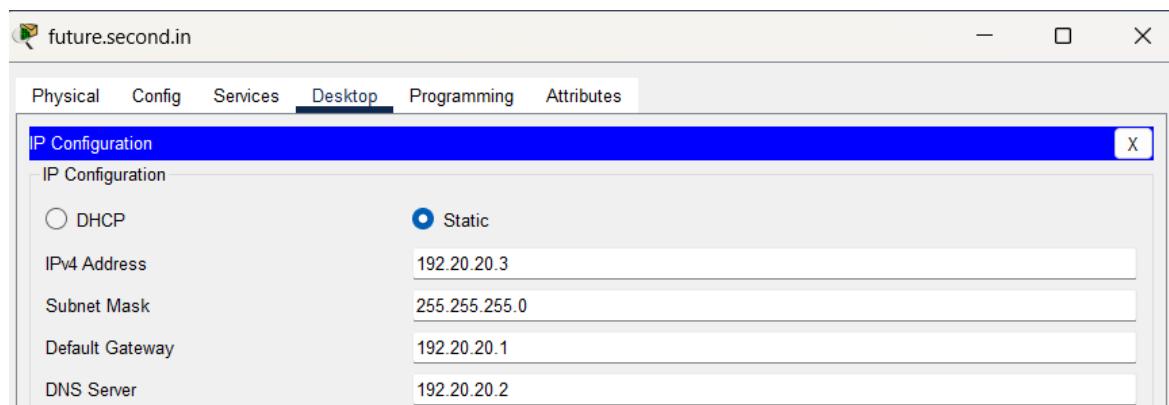
future.first.in IP Configuration:-



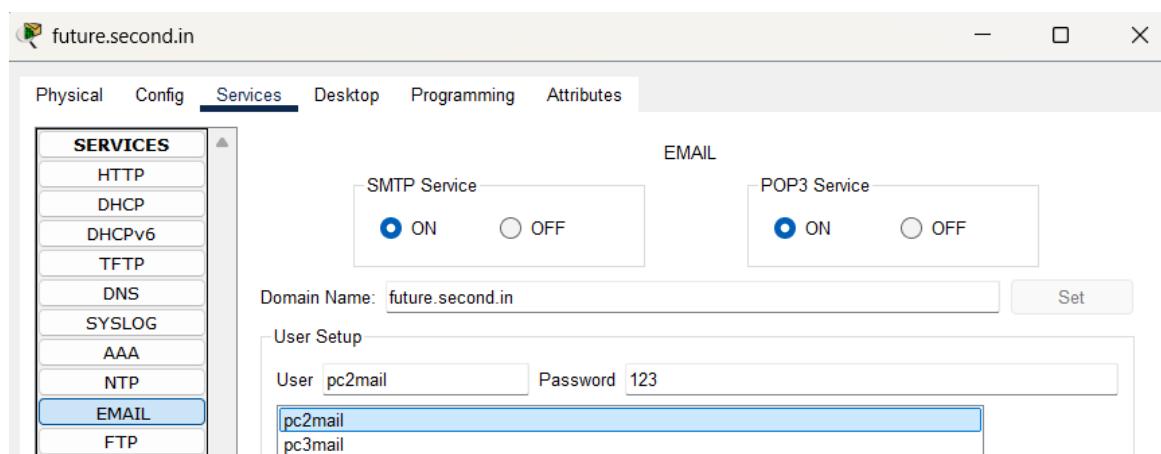
future.first.in Service Configuration:-



future.second.in IP Configuration:-

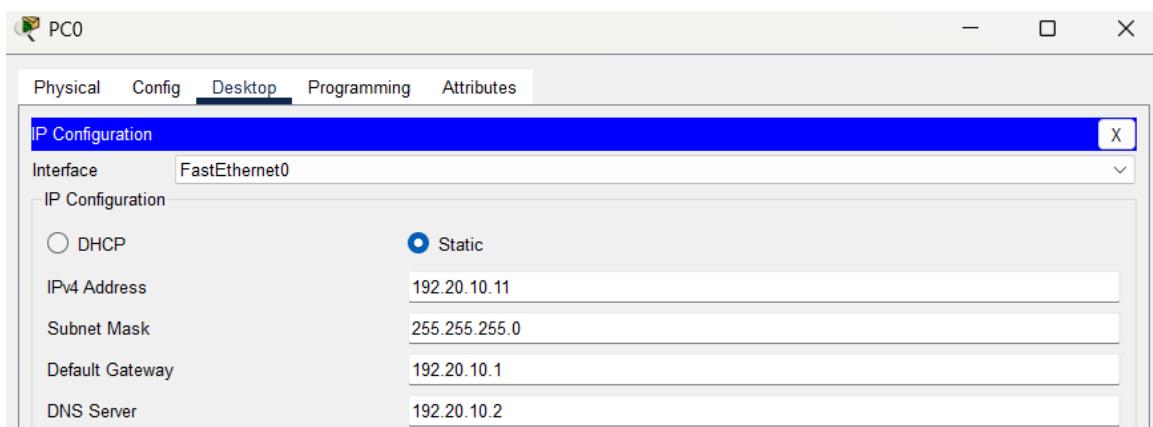


future.second.in Service Configuration:-

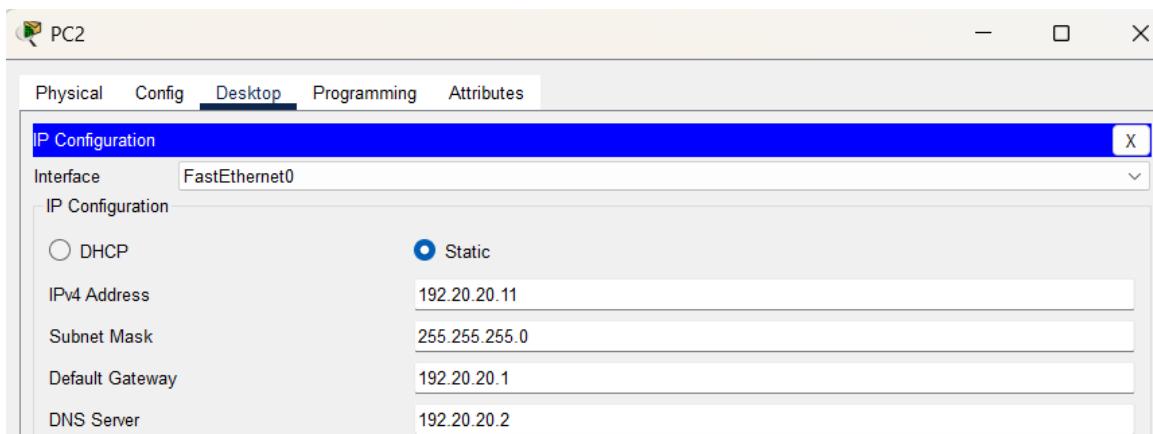


PC's Configurations:

Department_1 PC0's Configuration:



Department_2 PC2's Configuration:

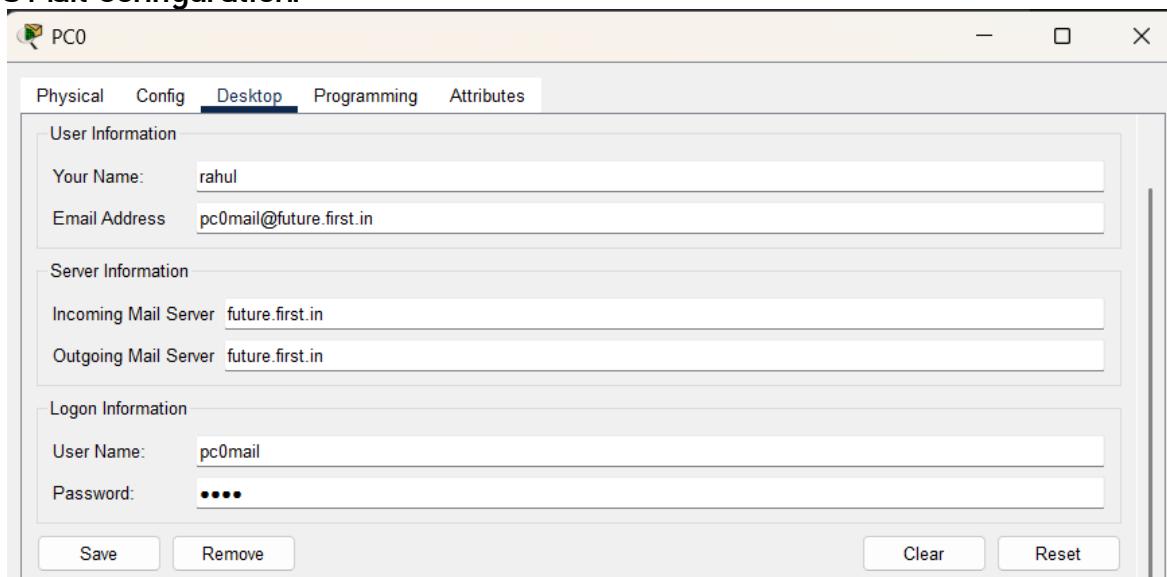


Router's Configurations:

- GigabitEthernet 0/0/0:-192.20.10.1
- GigabitEthernet 0/0/1:-192.20.20.1

PC's Mail Configuration:-

PC0's Mail Configuration:



PC0

Physical Config Desktop Programming Attributes

User Information

Your Name: rahul

Email Address: pc0mail@future.first.in

Server Information

Incoming Mail Server: future.first.in

Outgoing Mail Server: future.first.in

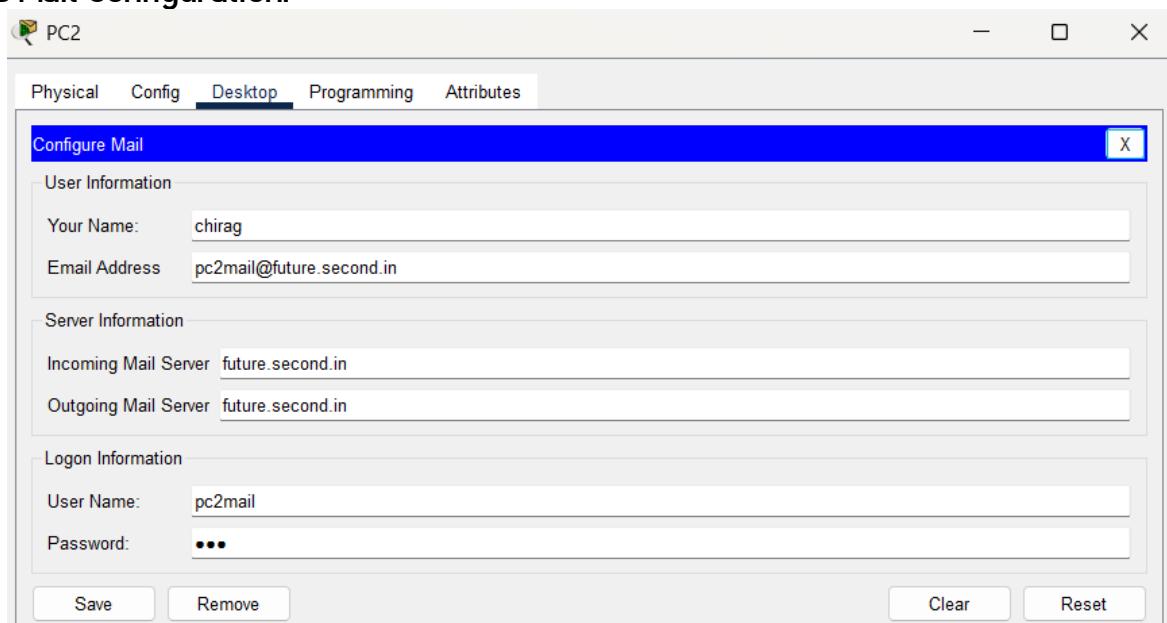
Logon Information

User Name: pc0mail

Password: ****

Save Remove Clear Reset

PC2's Mail Configuration:



PC2

Physical Config Desktop Programming Attributes

Configure Mail

User Information

Your Name: chirag

Email Address: pc2mail@future.second.in

Server Information

Incoming Mail Server: future.second.in

Outgoing Mail Server: future.second.in

Logon Information

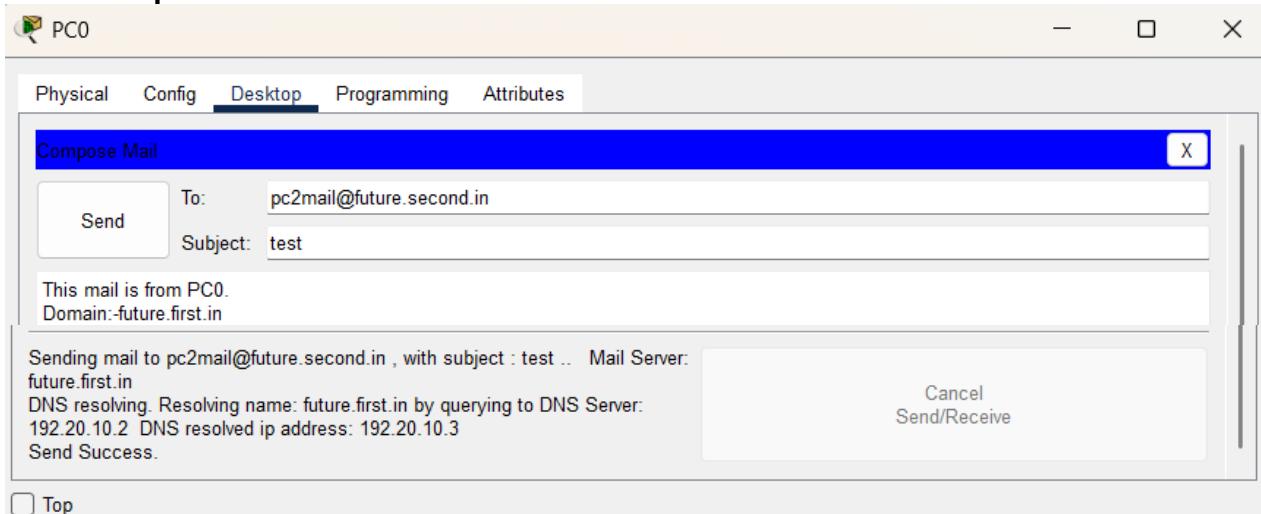
User Name: pc2mail

Password: ***

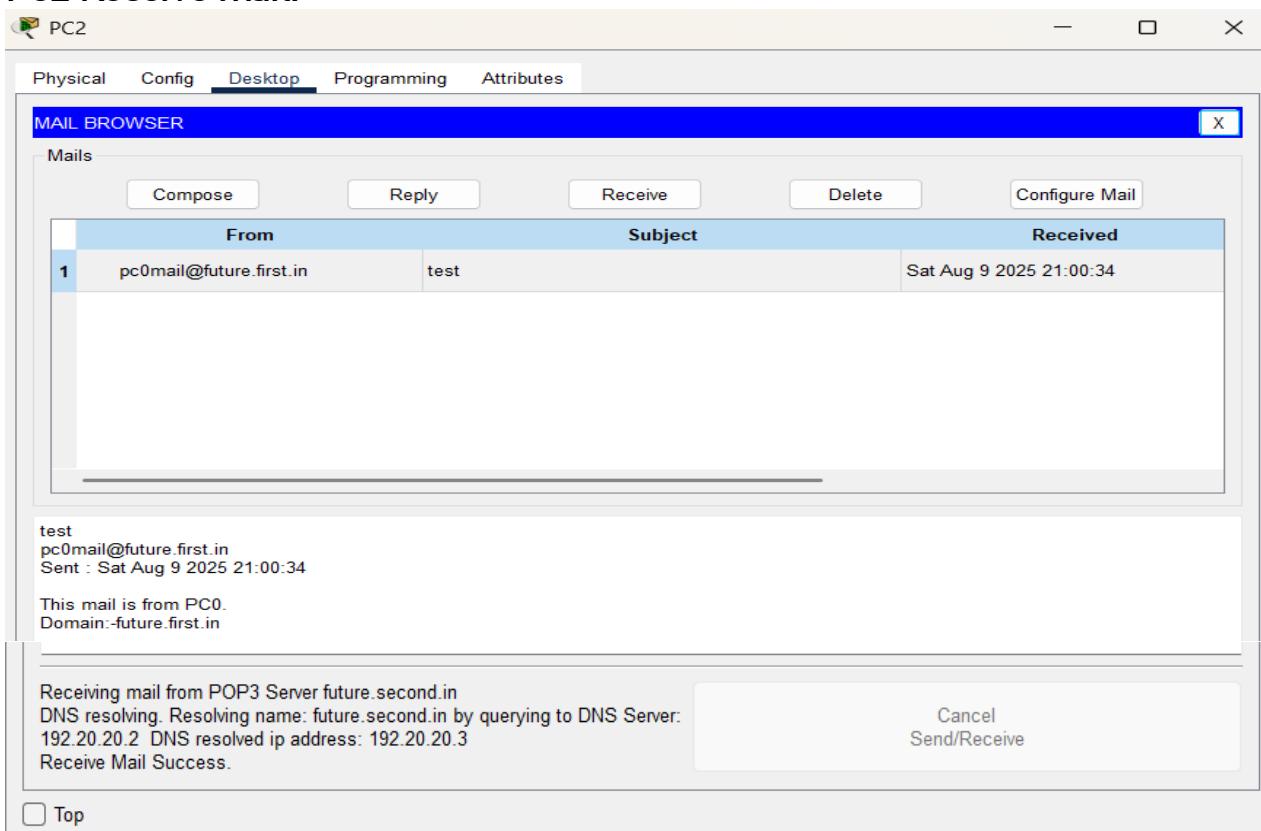
Save Remove Clear Reset

TEST CASE_1:-SENDING MAIL FROM PC0 TO PC2.

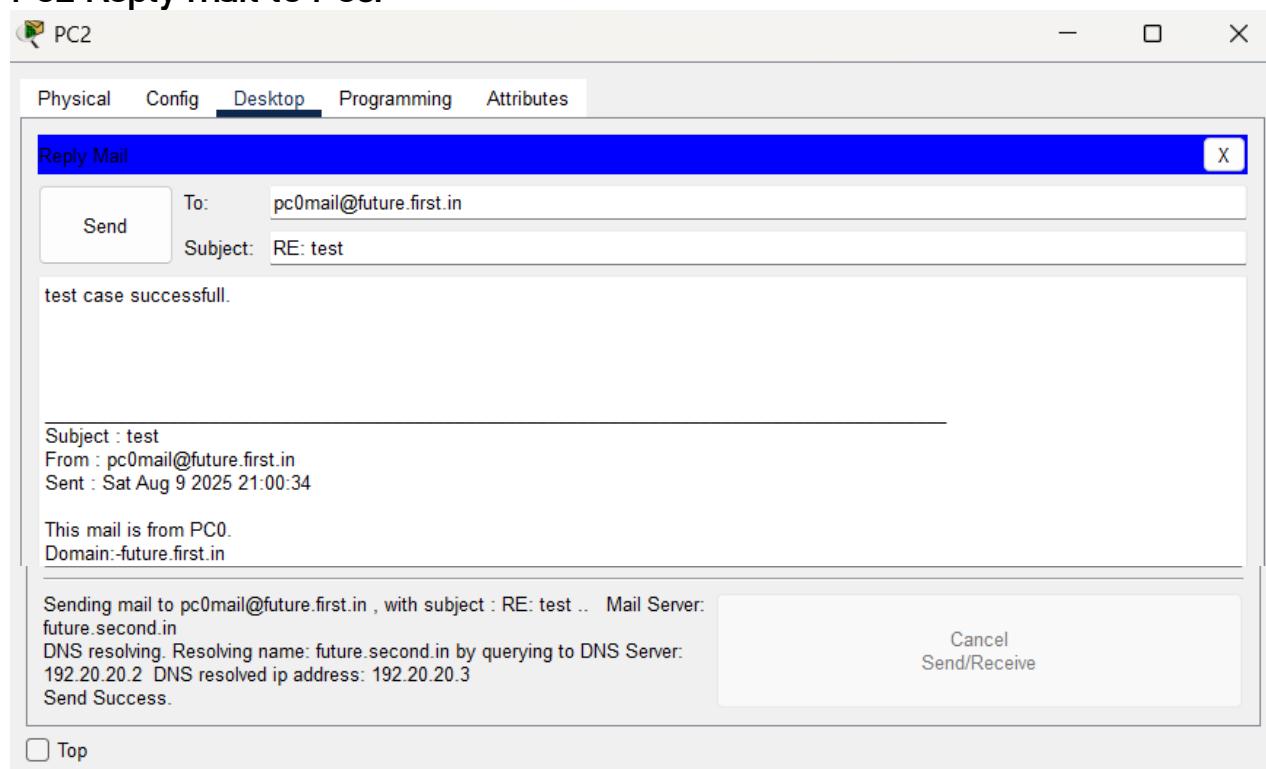
PC0 Compose mail:-



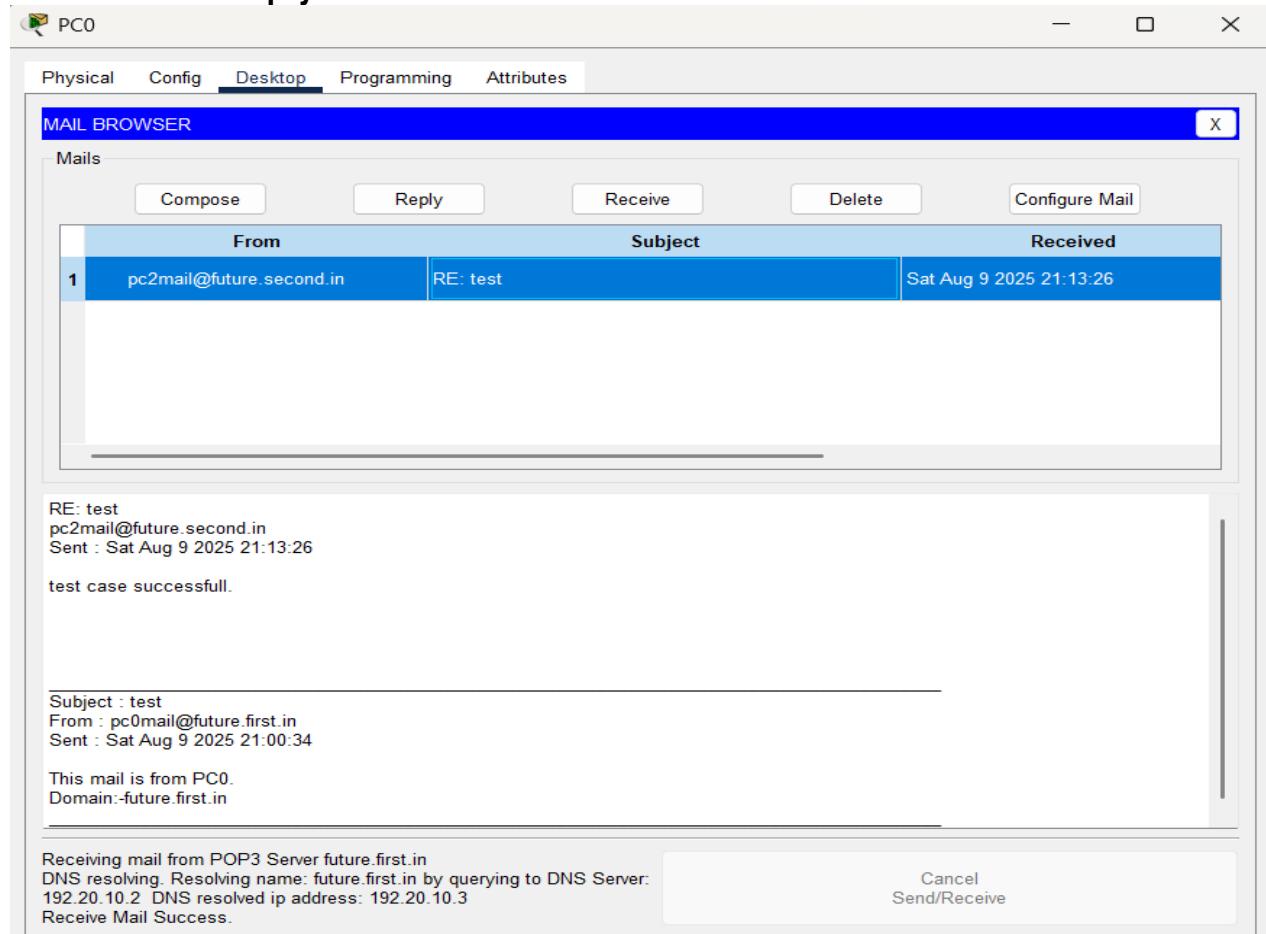
PC2 Receive mail:-



PC2 Reply mail to PC0:-



PC0 Receive Reply From PC2:-



CONCLUSION:- In this practical, we learned how DNS and SMTP servers work together to send and receive emails within a network. We set up a system where all users could communicate through email without relying on external services.