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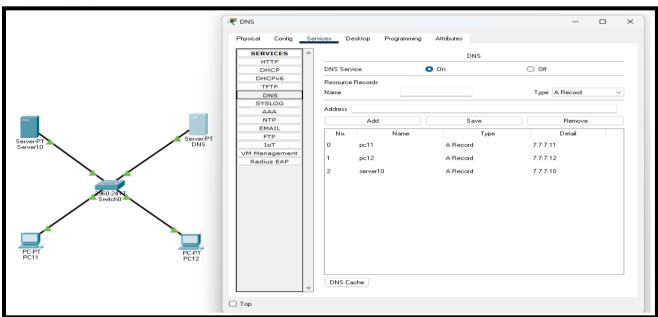
Date: 8/29/2025

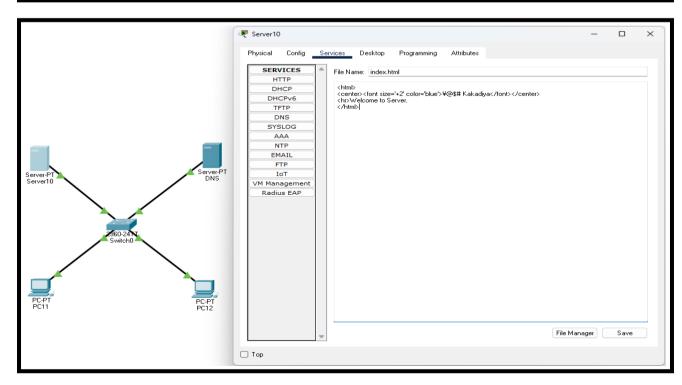
Practical Assignment #07:

Study the application layer protocol DNS, DHCP, FTP.

1.Implement the application layer protocol DNS, DHCP, and FTP. Also check connectivity between them using ping command or PDU utility.

a. DNS:

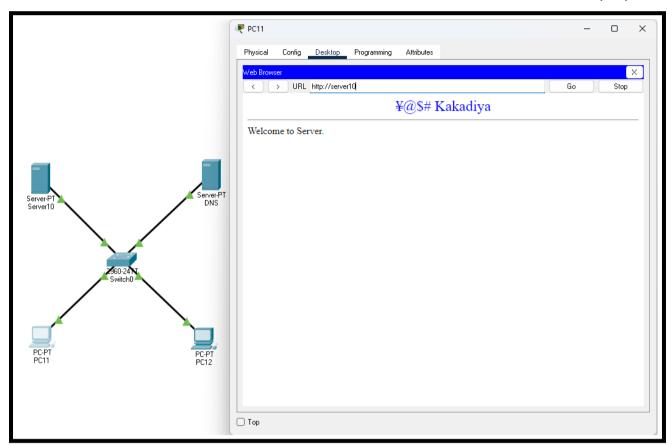




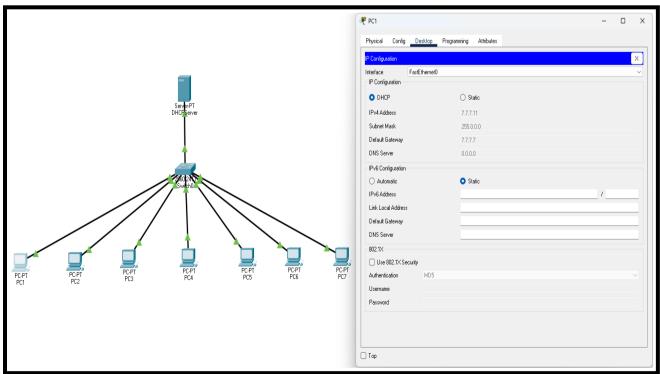
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b. DHCP:

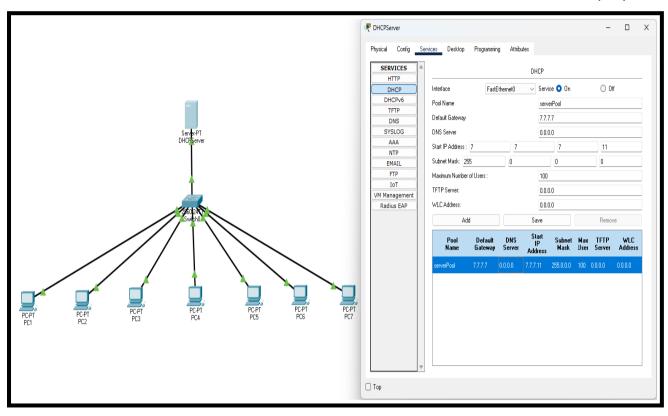


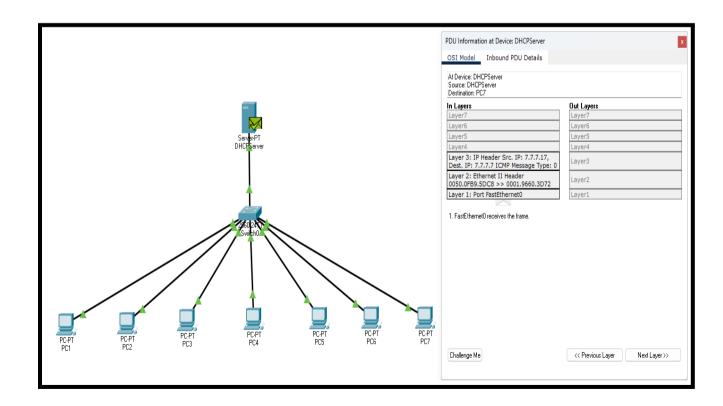


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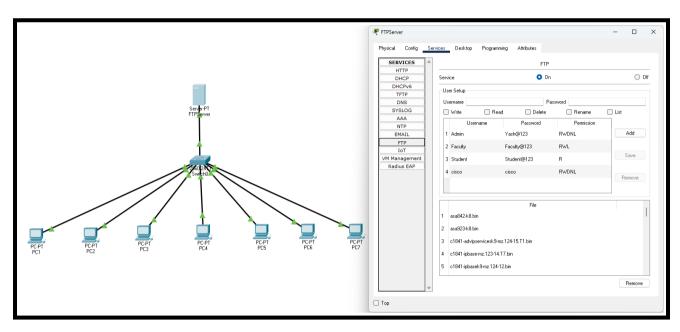


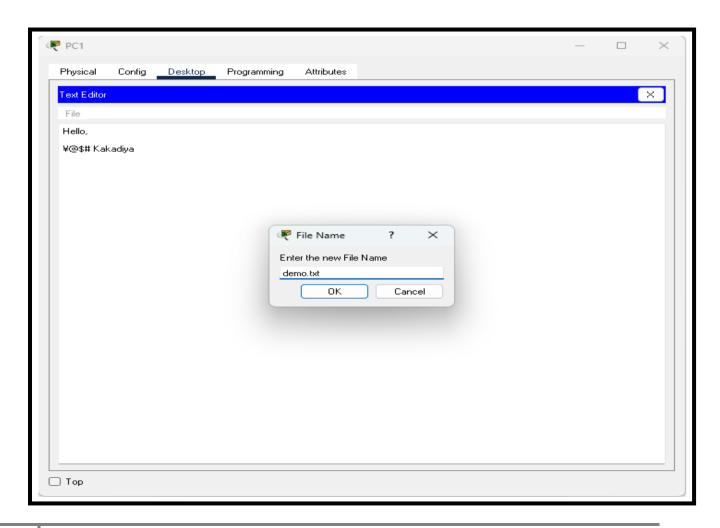
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c. FTP:







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```
Trying to connect...7.7.7

Trying to connect...7.7.7

Connected to 7.7.7.7

230- Welcome to FI Fup server

Username Admin

Parsword:

230- Logged in

(passive mode Cn)

fup-dir

Listing /fup directory from 7.7.7.7

0 : associated to 7.7.7.7

1 : cled... associated to 7.7.7.7

2 : cled... associated to 7.7.7.7

2 : cled... associated to 7.7.7.7

3 : cled... associated to 7.7.7.7

2 : cled... associated to 7.7.7.7

2 : cled... associated to 7.7.7.7

3 : cled... associated to 7.7.7.7

2 : cled... associated to 7.7.7.7

3 : cled... associated to 7.7.7.7

3 : cled... associated to 7.7.7.7

3 : cled... associated to 7.7.7.7

5 : cled... associa
```