LAB ASSIGNMENT-6



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REG.NO: 21bce7727

COURSE: Computer Networks

SLOT: L21+22

TASK: DHCP, DNS

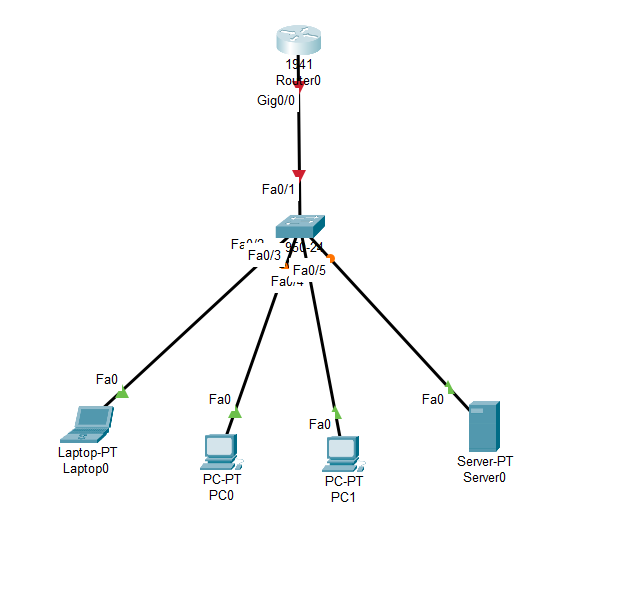
Configure a network and check for the connectivity and

ip addresses for DHCP and DNS protocols.

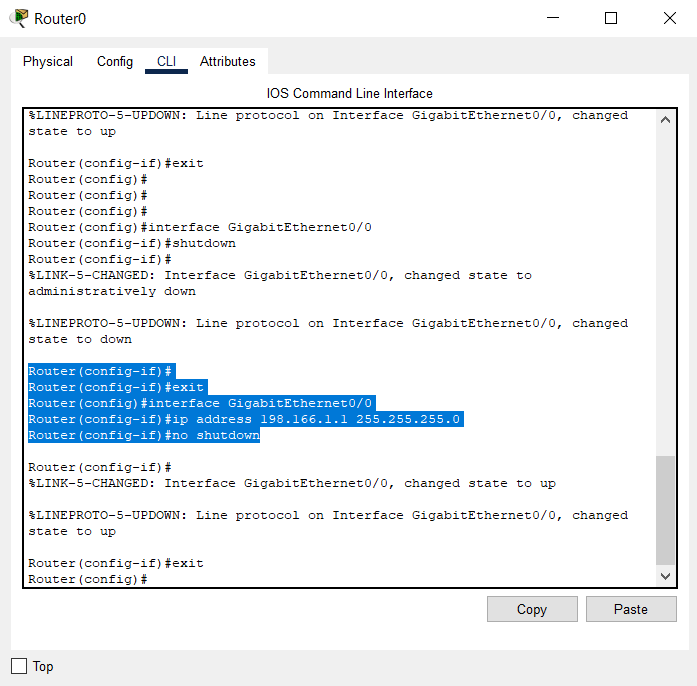
**DHCP**

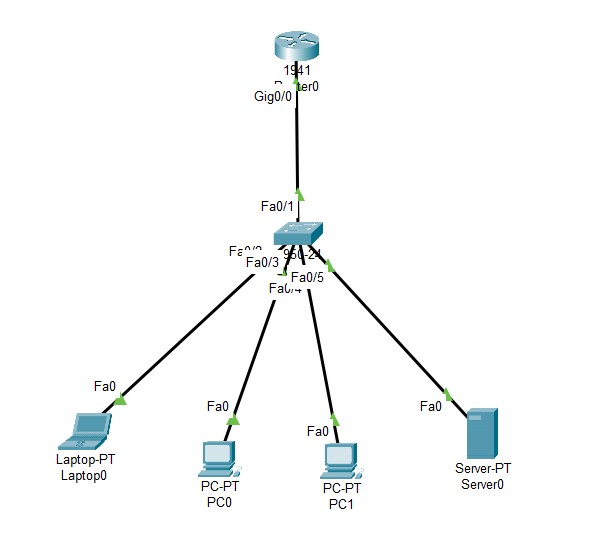
Step 1:

Create a network consisting of router , Switch , 2 Pc’s , laptop and a server.

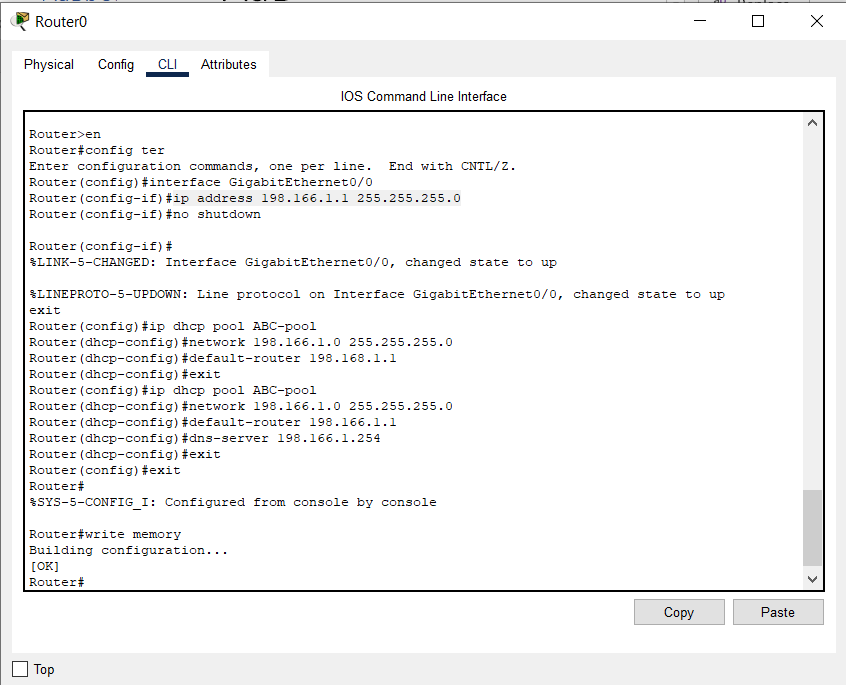


Step 2: Configure the router using CLI





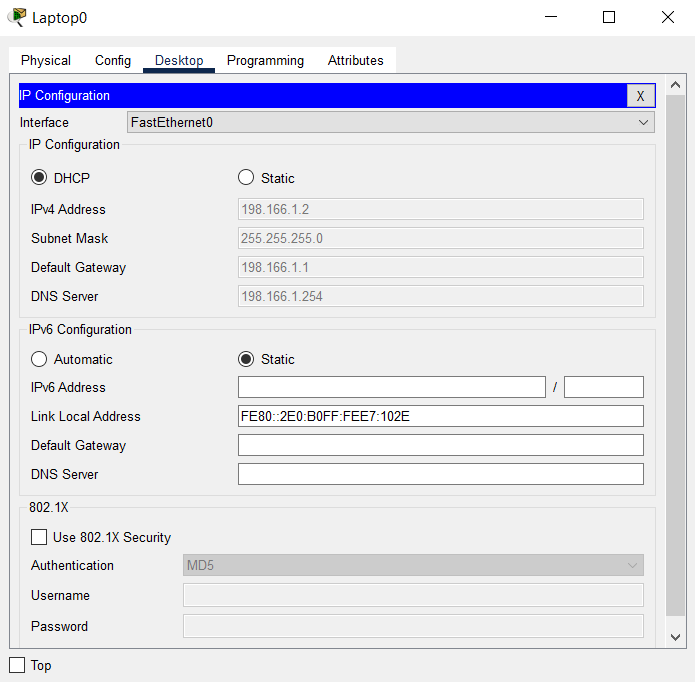
Step 3: using CLI enter into DHCP



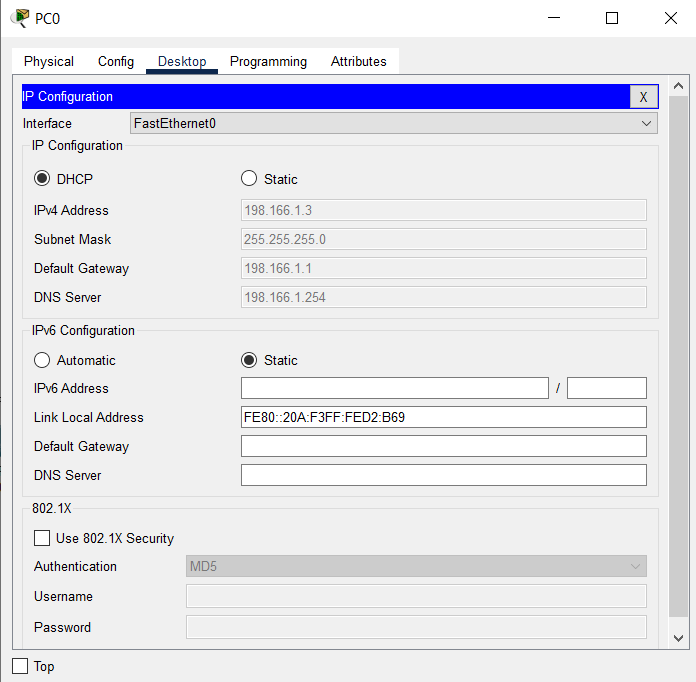
Step 4: Go to Desktop->ip configuration for each end device and

put in DHCP mode from Static mode.

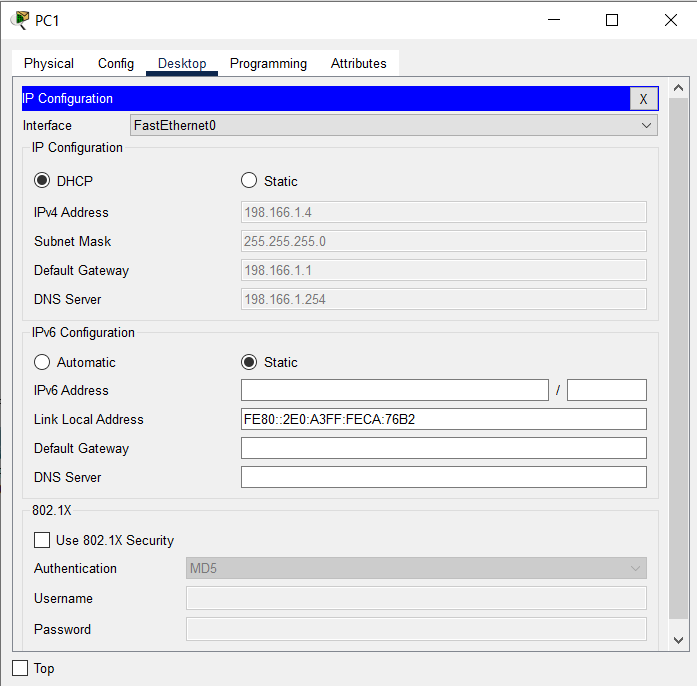
For laptop0:



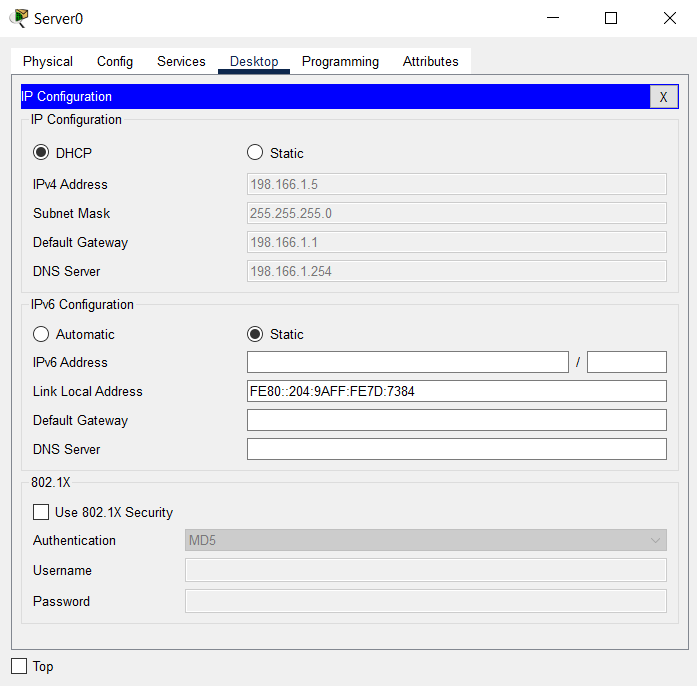
For Pc0:



For Pc1:



For Server0:



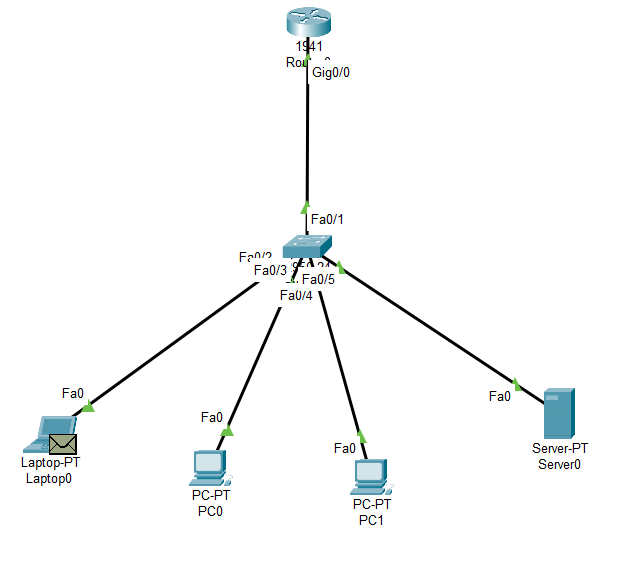
Step 5:

Take a simple PDU and check if the network is working

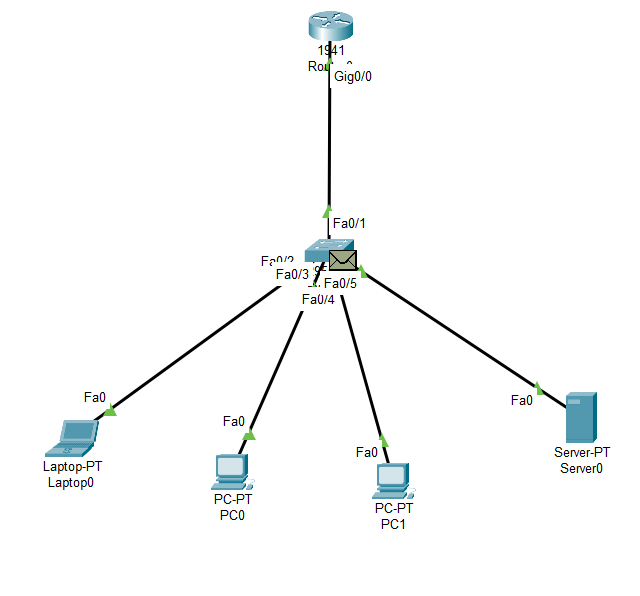
Source – Laptop0

Destination – PC1

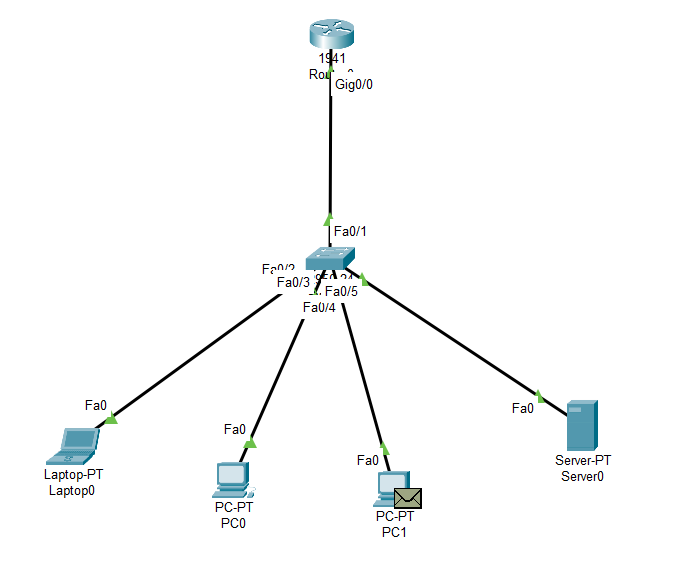
1)



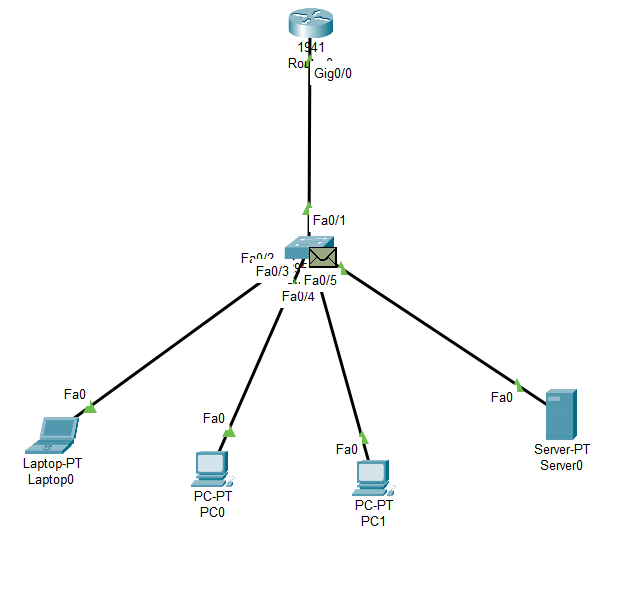
2)



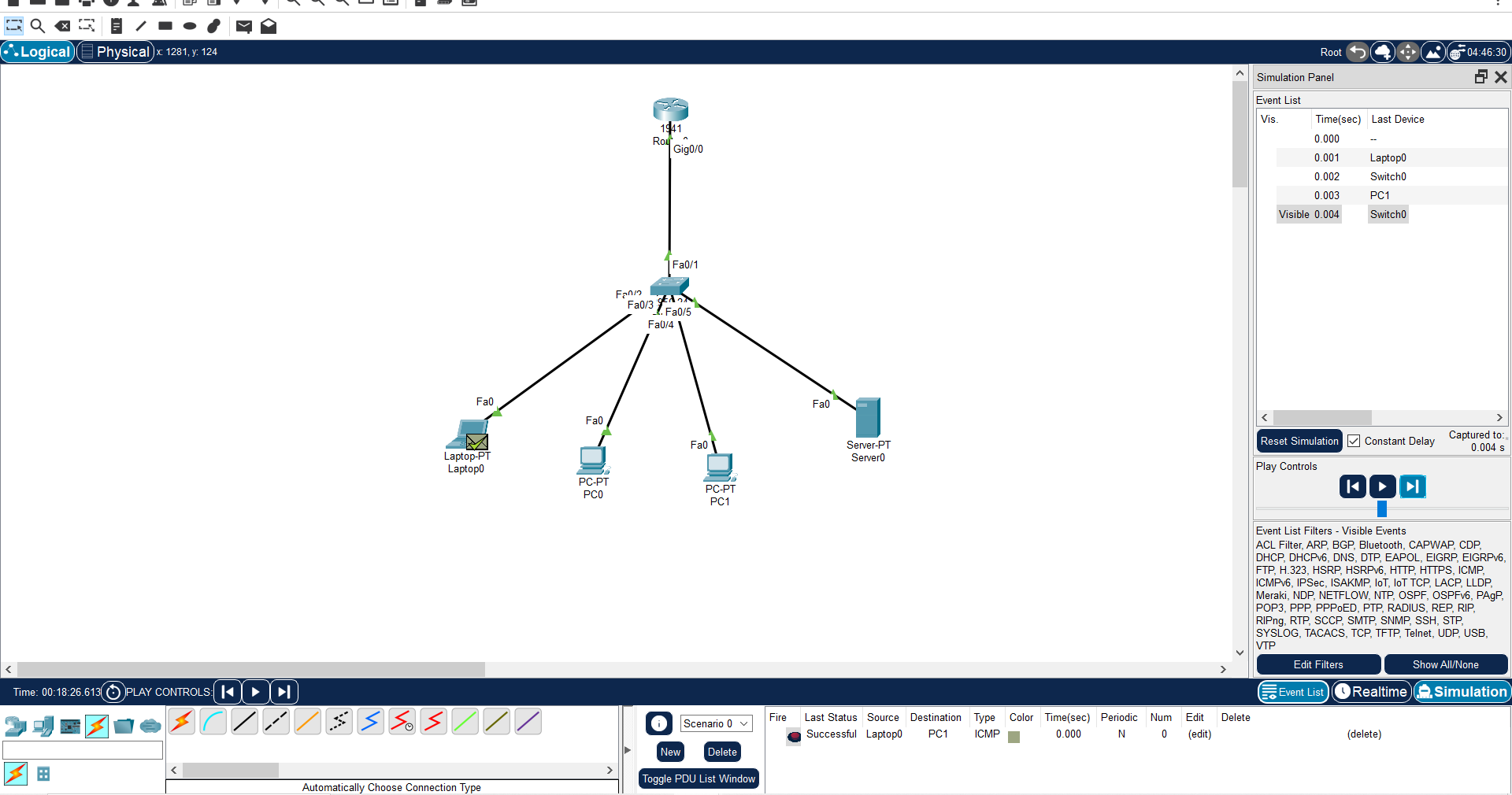
3)



4)



5) Final

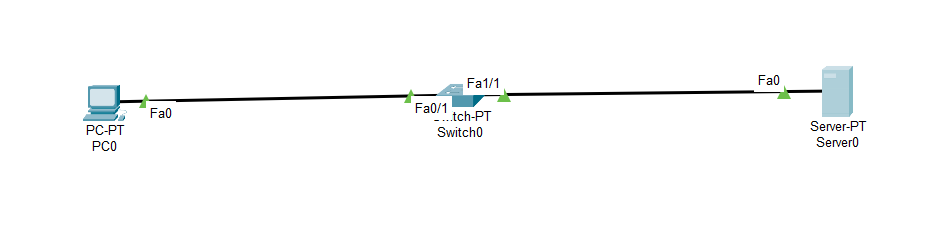


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**DNS**

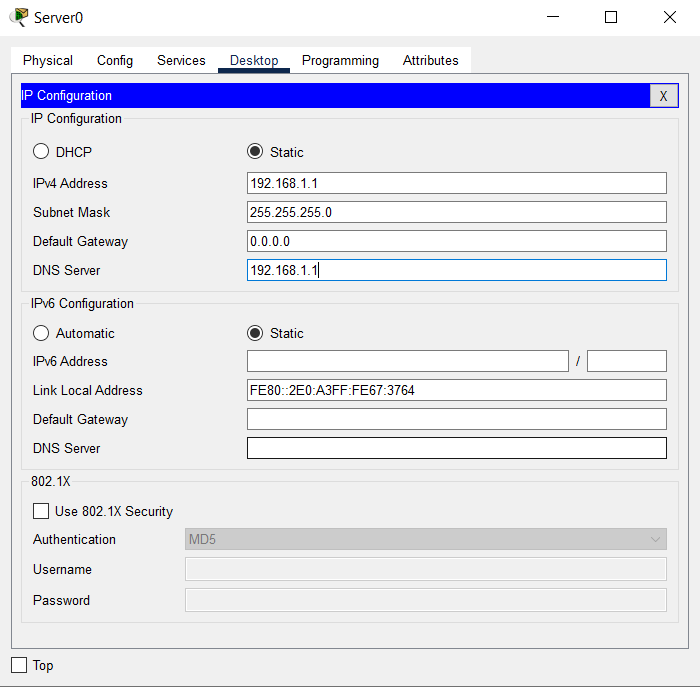
Step1:

Create a network consisting of a PC, switch and a server.

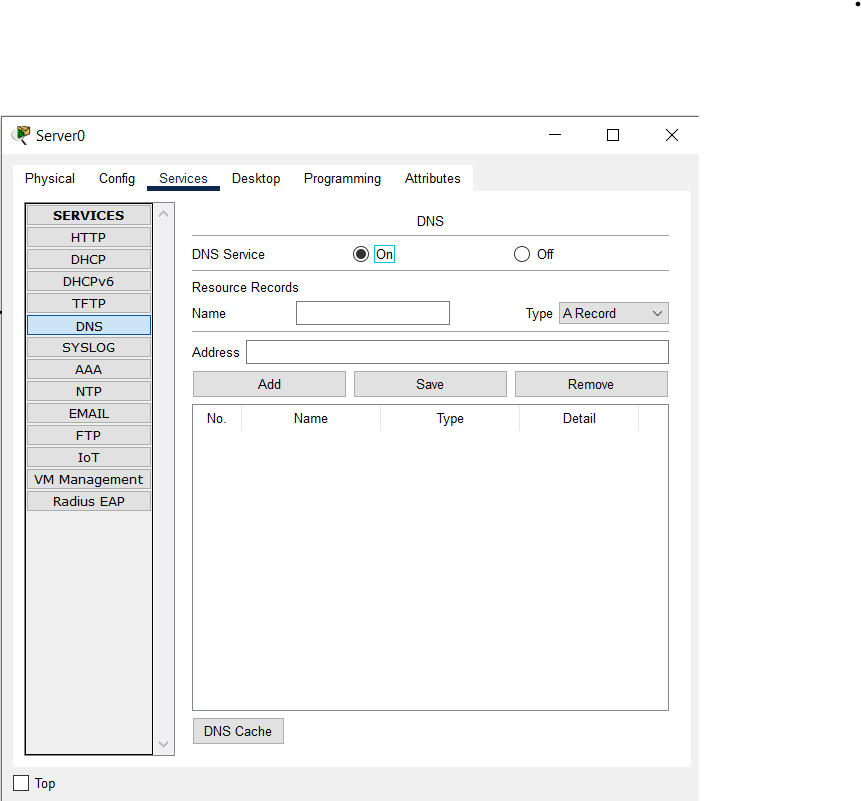


Step2:

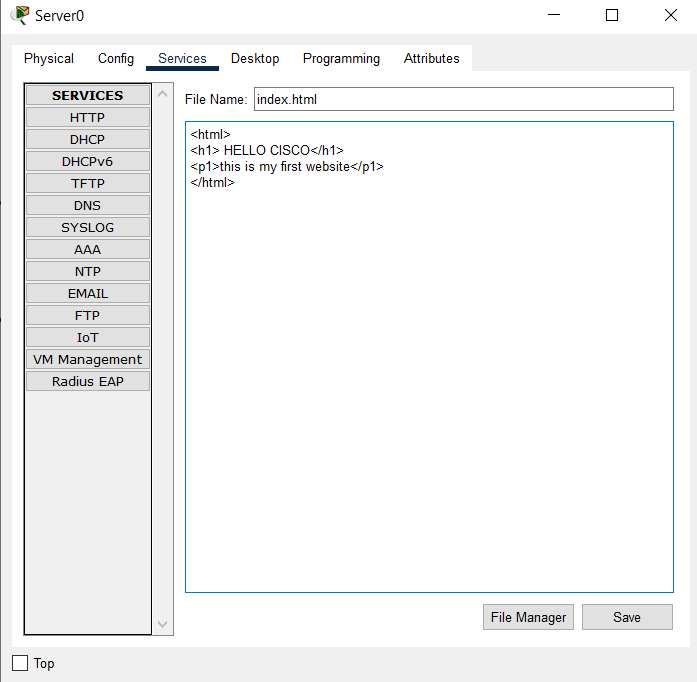
Go to server and give ip configuration and DNS server.



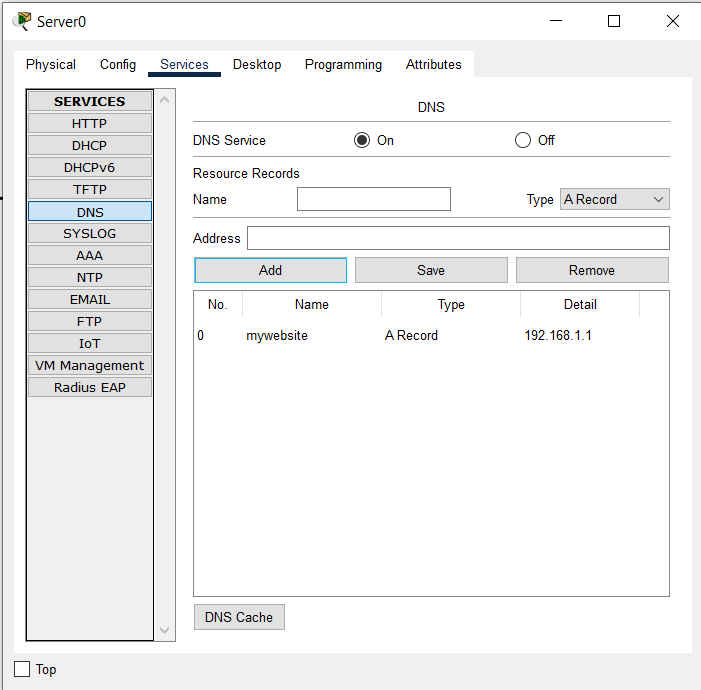
In server go to DNS interface and turn “On”



Then Go to services and Edit the “Index.html”



Step3: Add the server “mywebsite”



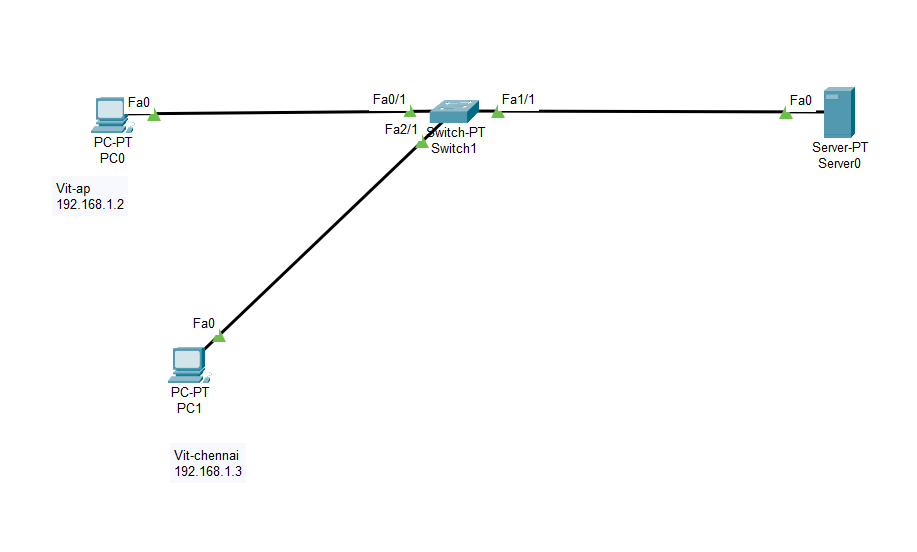
Check in PC0 ( Go to Desktop->web browser->Type “mywebsite” in

URL)



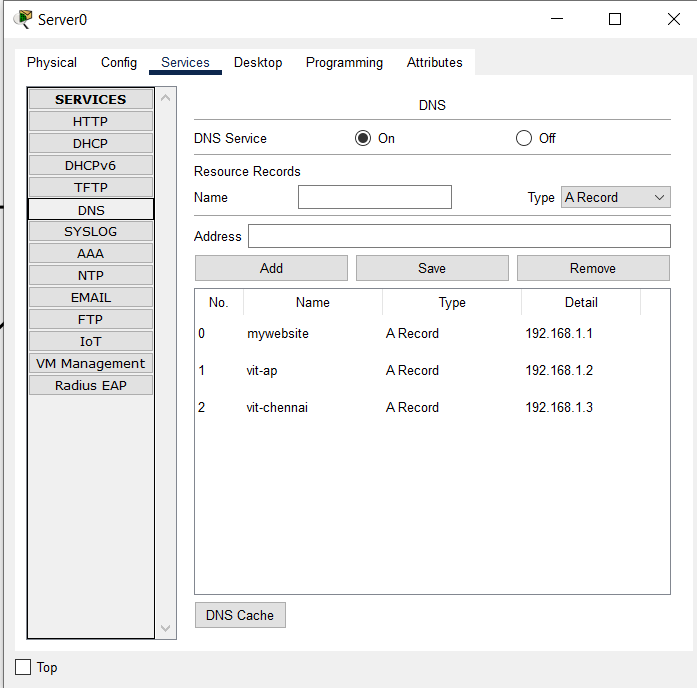
Step4:

Take another PC and give DNS and IP address

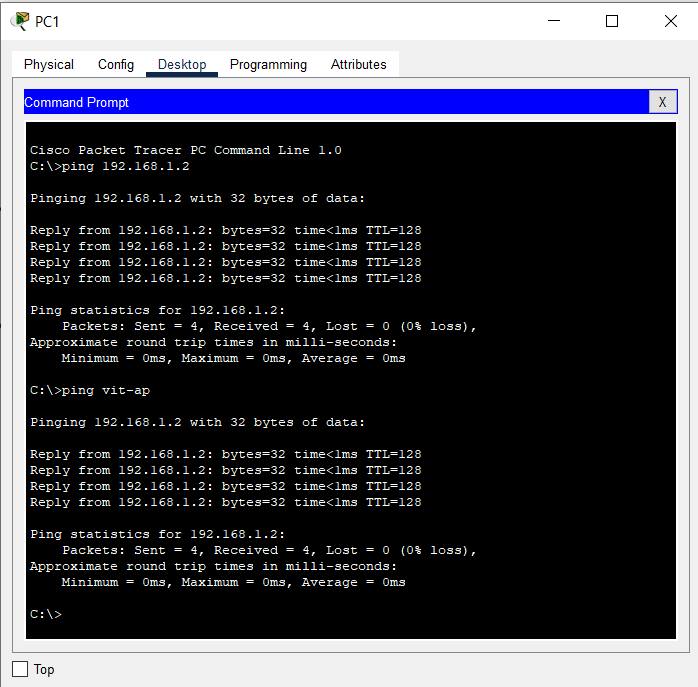


Step5:

Add the servers in DNS mode in server.



Step6:In PC (Vit-chennai) ping Vit-ap ( that is with it’s name)



END

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