LAB ASSIGNMENT-9



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COURSE: Computer Networks

SLOT: L21+22

TASK:

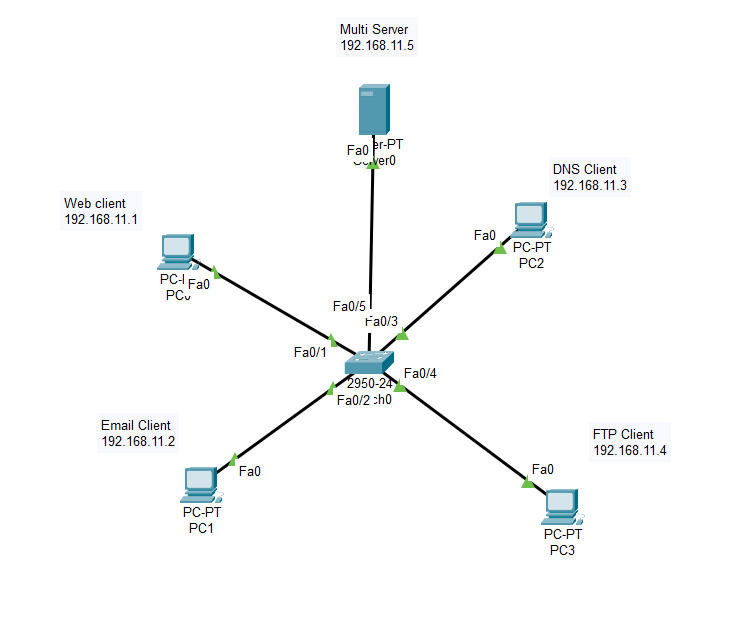
create and configure a network and analyse TCP and UDP packets in simulation mode.

Step 1:

Create a network using One server and 4 PC’s

Configure their IP Addresses

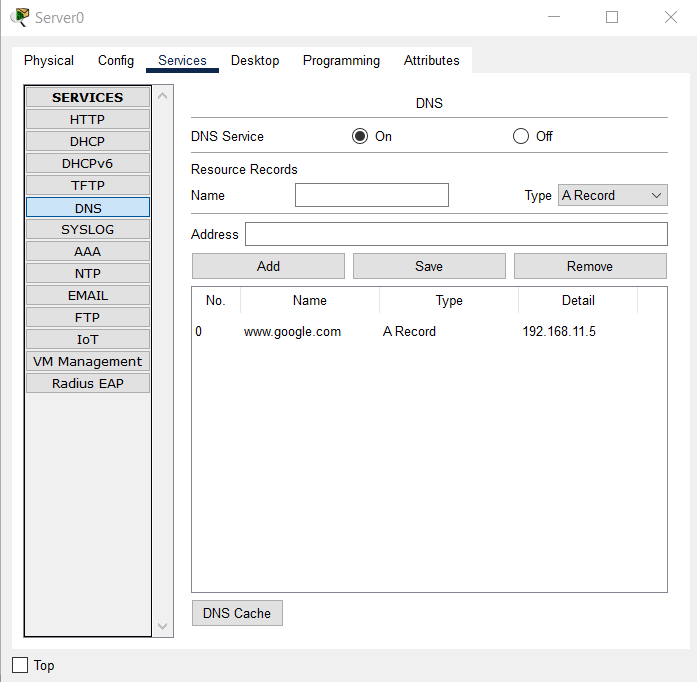
DNS – 192.168.11.5



Step 2:

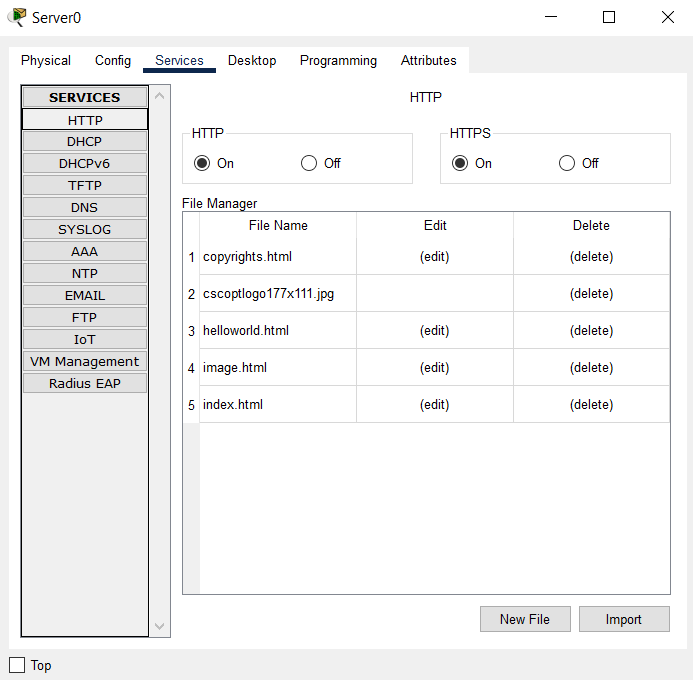
Go to Server🡪DNS🡪 Switch on

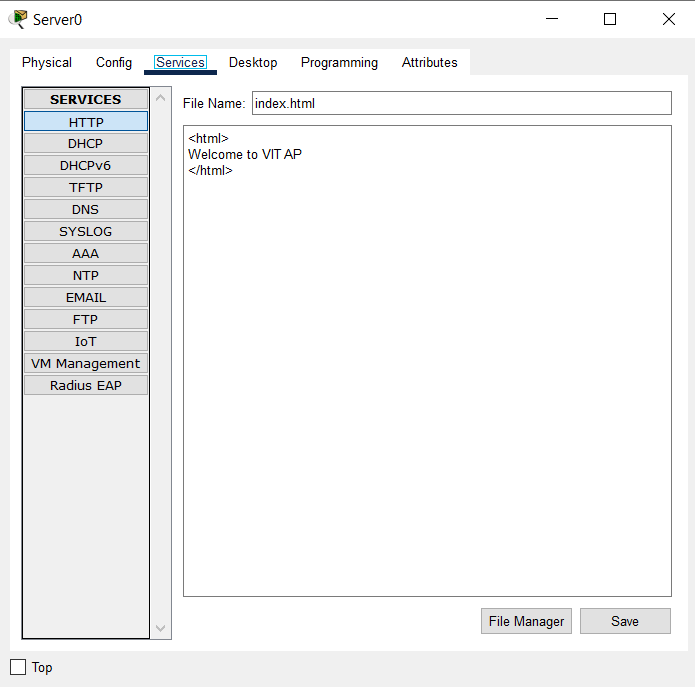
Add a domain



Step 3:

Go to HTTP🡪 Switch on both HHTPS and HTTP 🡪Index.html🡪edit



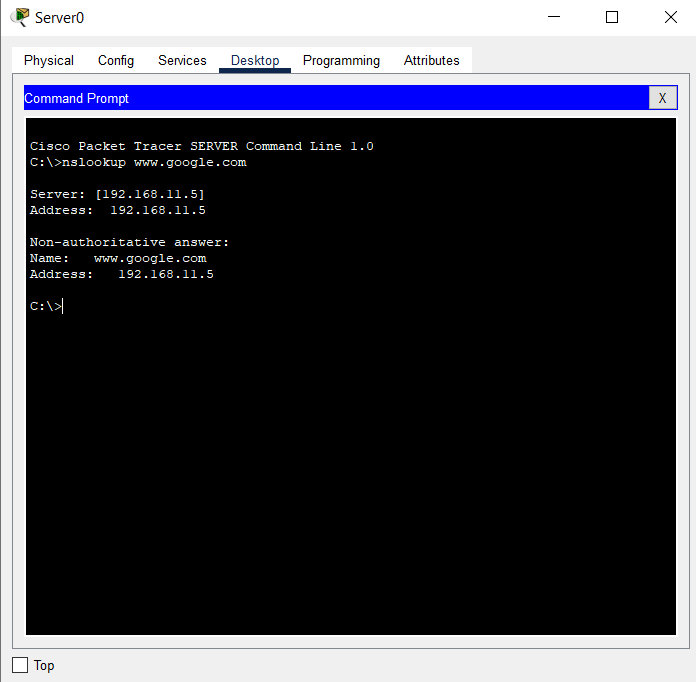


Step 4:

Check if Server is able to connect

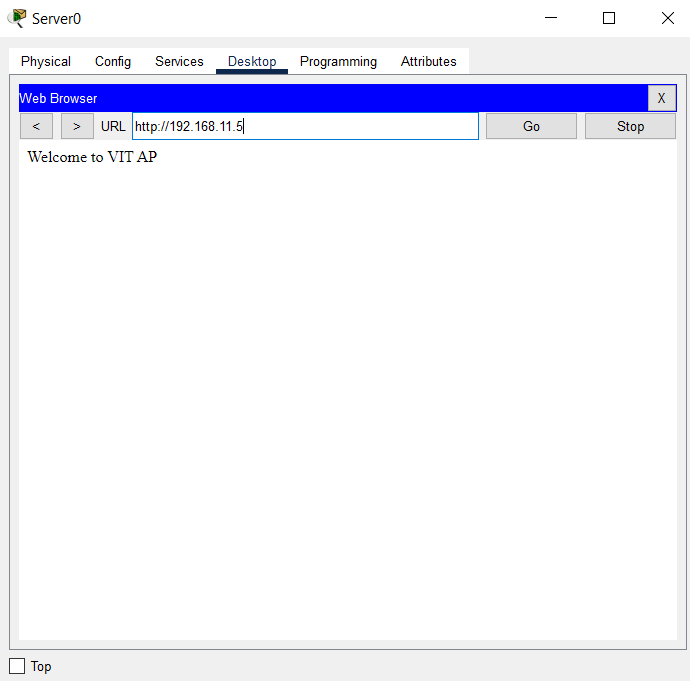
Go to Server🡪Desktop🡪command prompt

PC> nslook [www.google.com](http://www.google.com)



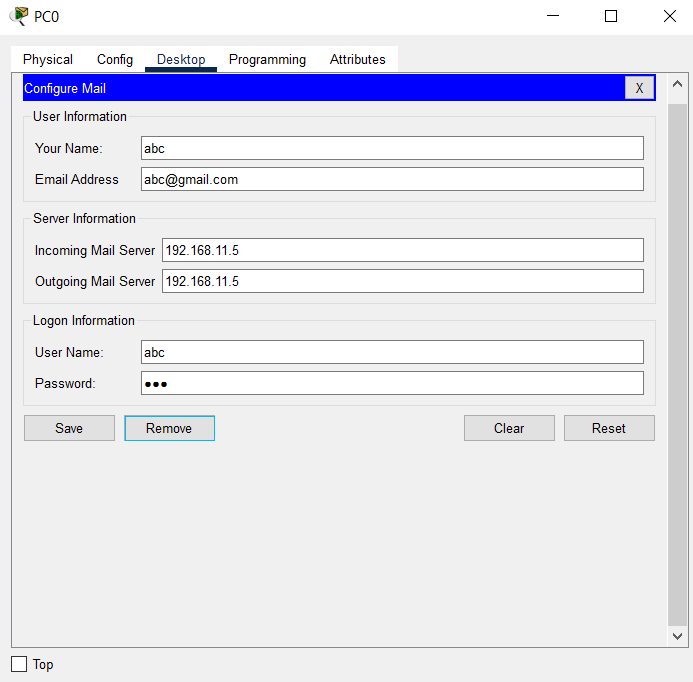
Go to server🡪Desktop🡪Web browser

Type URL – 192.168.11.5

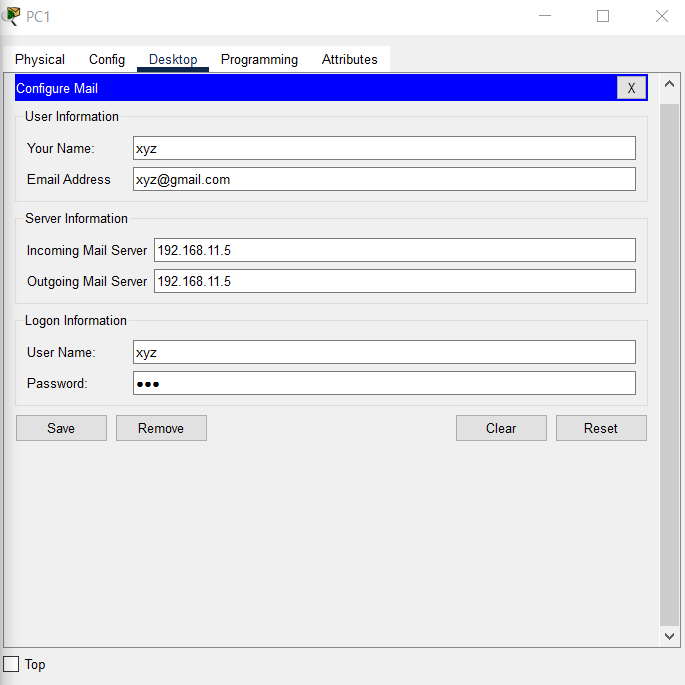


Step 5:

Go to PC0(Web Client)🡪 desktop🡪 Email🡪 configure Email



Go to Pc1(Email Client)🡪desktop🡪Email🡪configure email

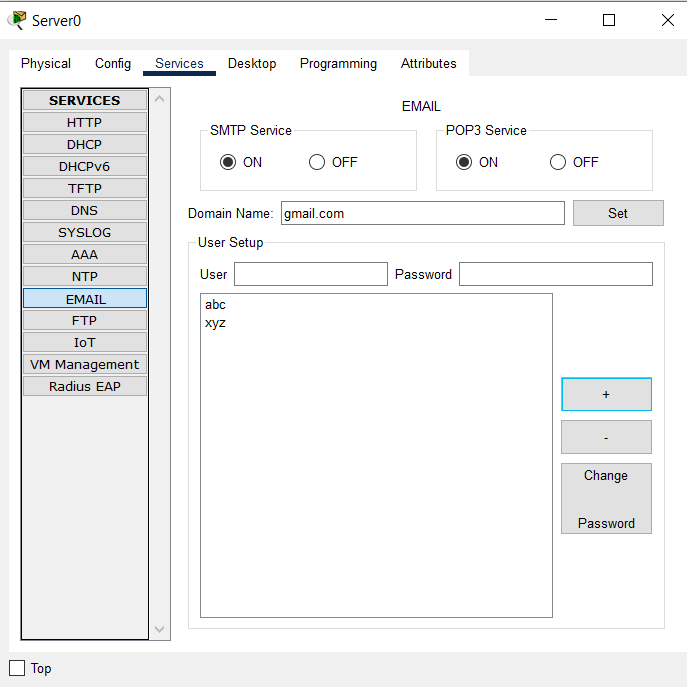


Step 6:

Go to Server🡪Services🡪Email🡪Switch on both SMTP and POP3

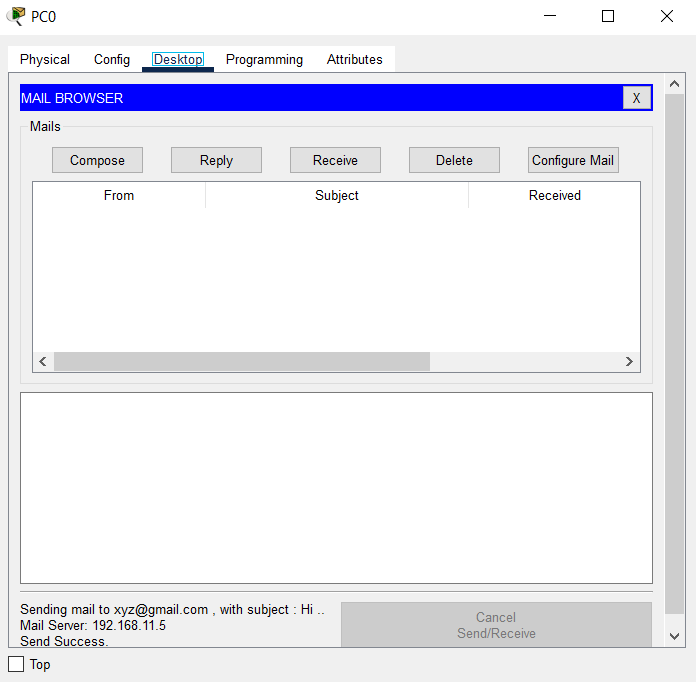
Domain name: gmail.com

Add users

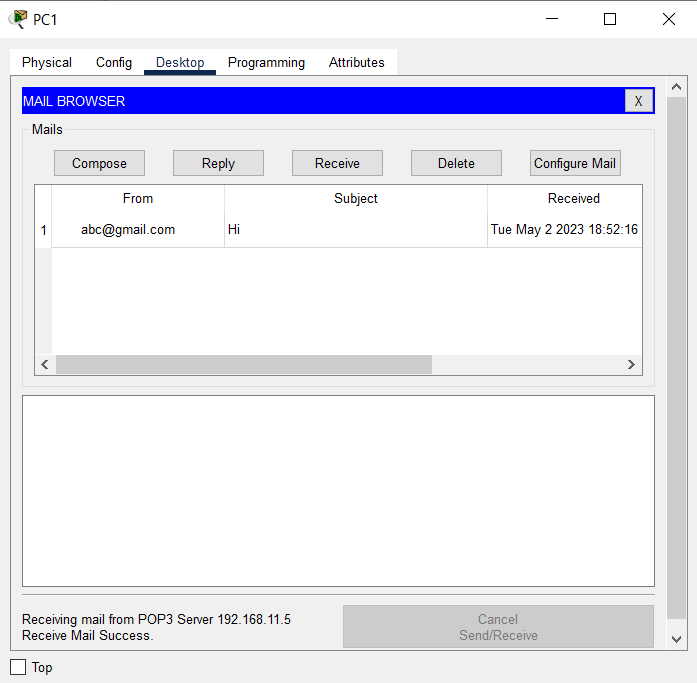


Step 7:

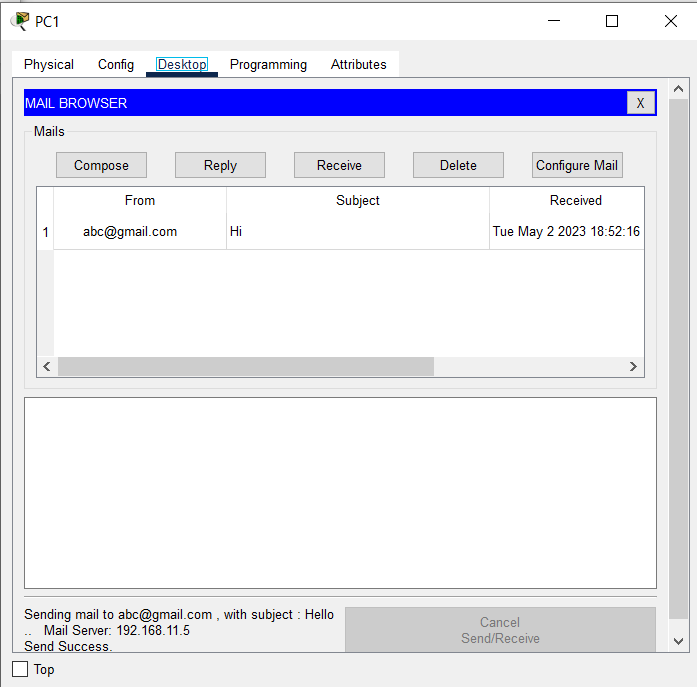
Send mail from PC0 to PC 1



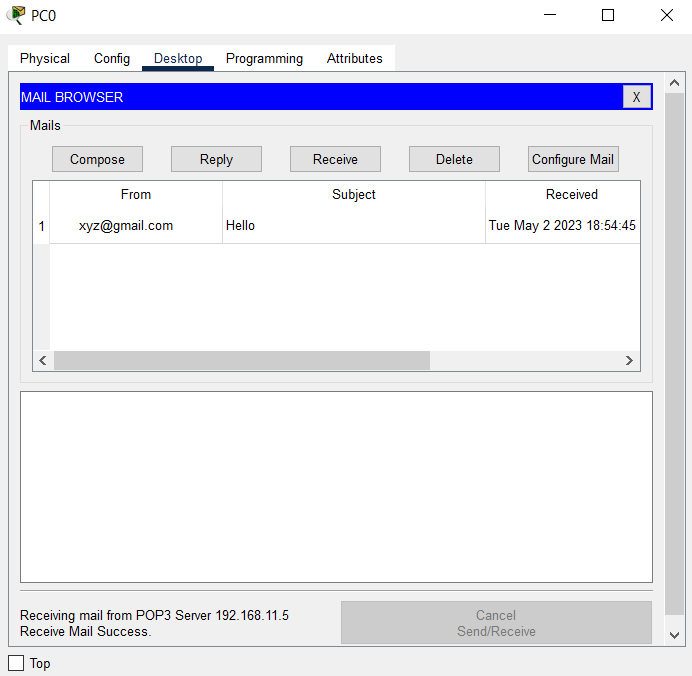
Receive mail from PC0



Send Email from PC1 to PC0



Receive Email from PC 1

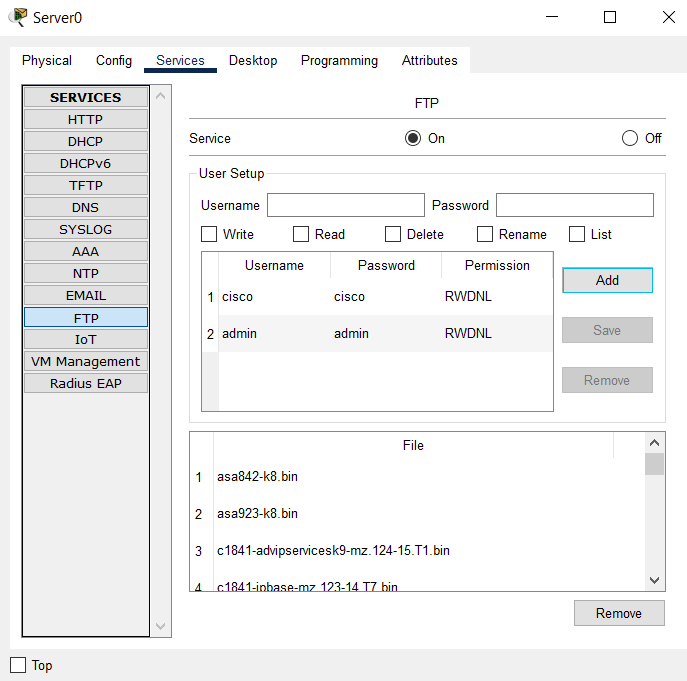


Step 8:

**FTP Client:**

Go to Server🡪 FTP-🡪 add user with all features

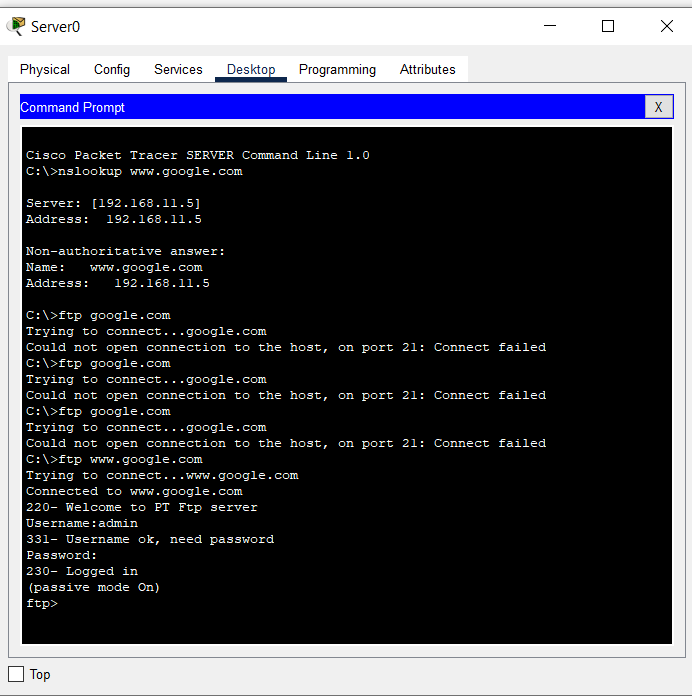
WRDNL



Step 9:

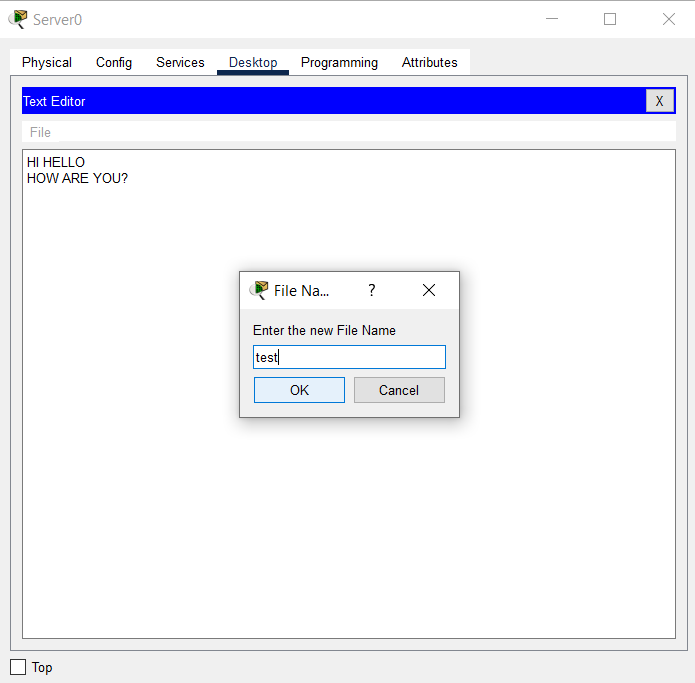
Go to Server🡪Command Prompt🡪

ftp [www.google.com](http://www.google.com)

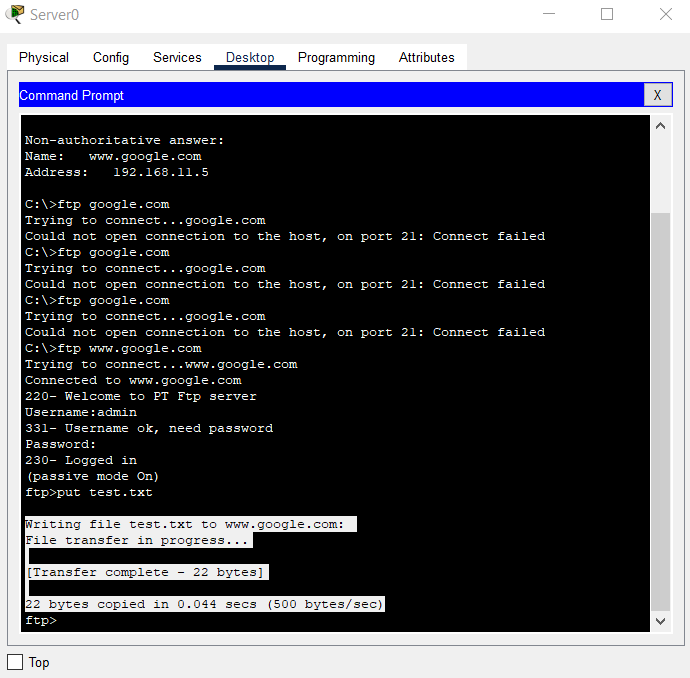


Step 10:

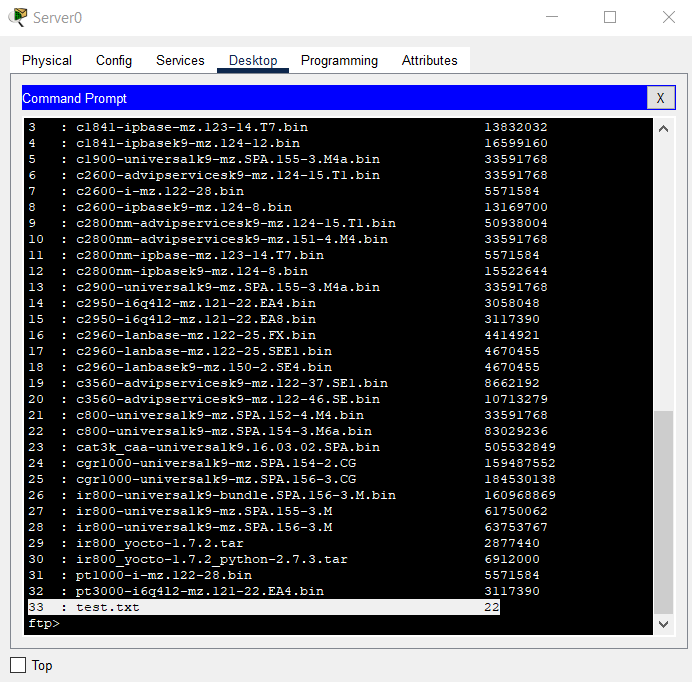
Go to Server🡪 text editor🡪 create a file



Put test.txt



ftp> dir



The above process is called “uploading the file”

Step 11:

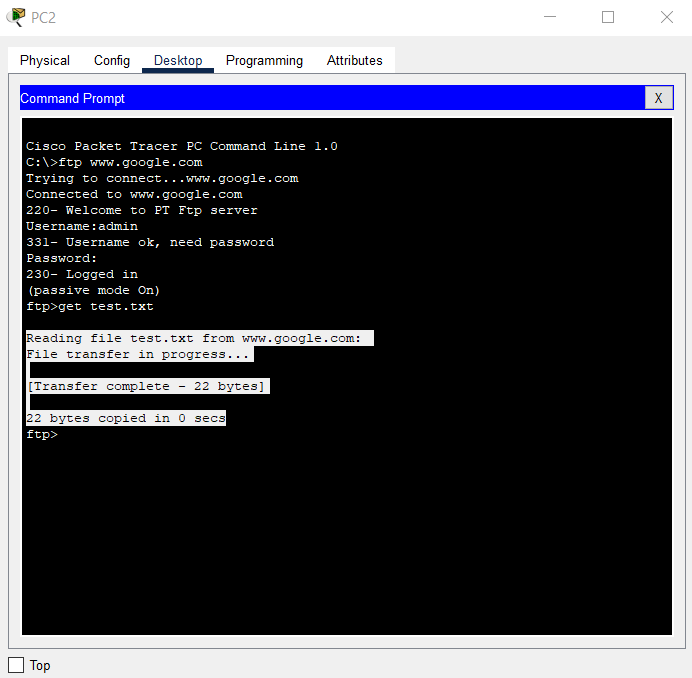
Downloading the file:

Go to DNS client🡪command prompt🡪

ftp [www.google.com](http://www.google.com)

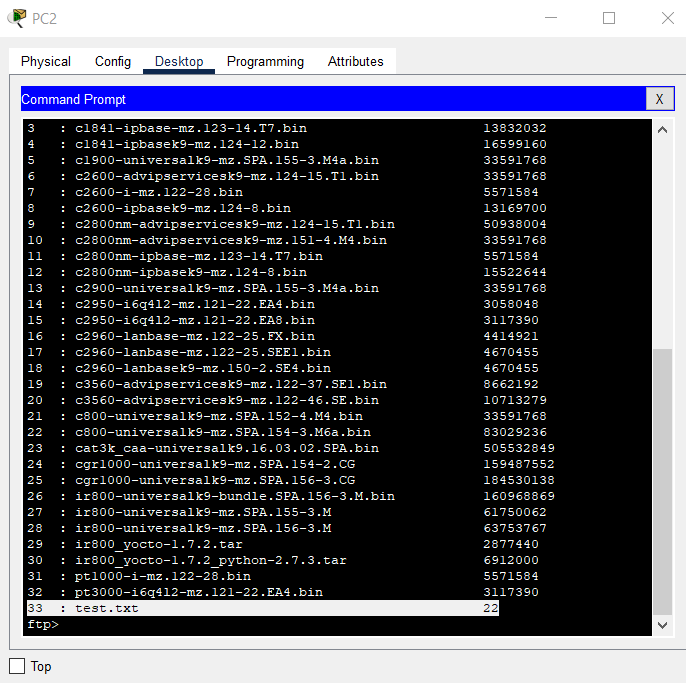
give username and password

ftp> get test.txt



Get file to DNS server

ftp>dir



Step 12:

Simulation:

