

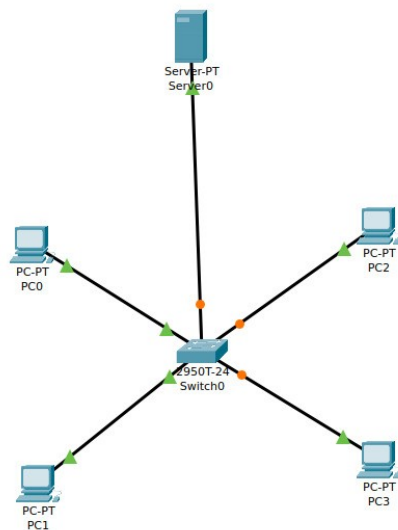
## 4. PERFORMANCE ANALYSIS OF TCP AND UDP PROTOCOL USING CISCO PACKET TRACER

### Lab Procedure:

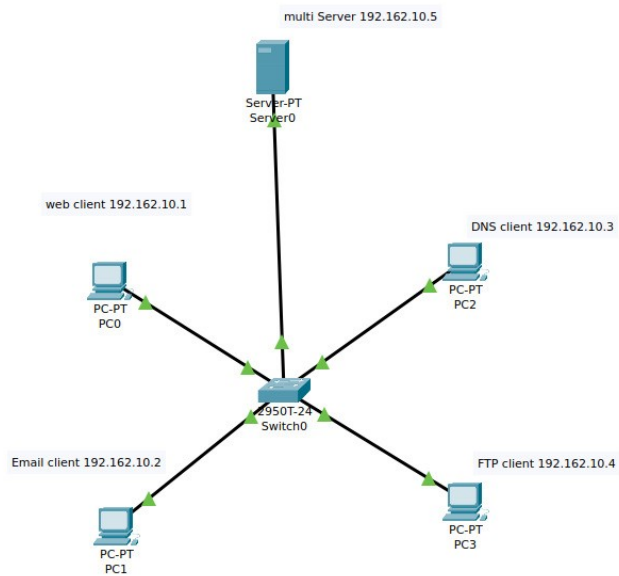
1. Open Cisco Packet Tracer

Step1: Arrange the components as shown in the picture.

Step2: Connect the Pc, Server and Switch using "CopperStraightThrough" Cable .



Step3: Place Note on each Device Shown in the Picture.



Step4: Configure the Pc0 as Shown in the Picture.

The screenshot shows the configuration window for PC0. The 'Desktop' tab is selected, and the 'IP Configuration' section is expanded. The 'Interface' is set to 'FastEthernet0'. The 'IP Configuration' section shows 'Static' selected, with the following values:

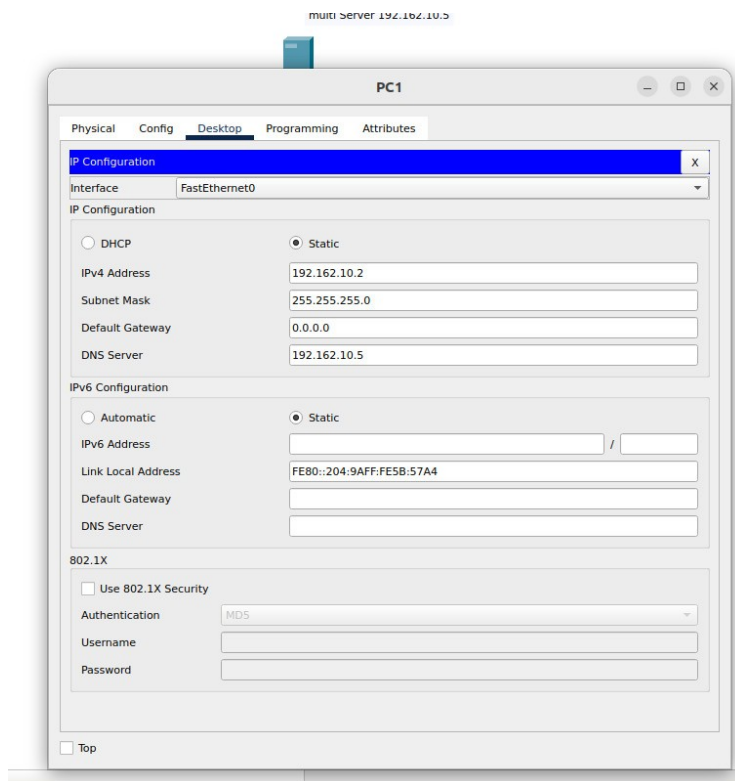
- IPv4 Address: 192.162.10.1
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 192.162.10.5

The 'IPv6 Configuration' section shows 'Static' selected, with the following values:

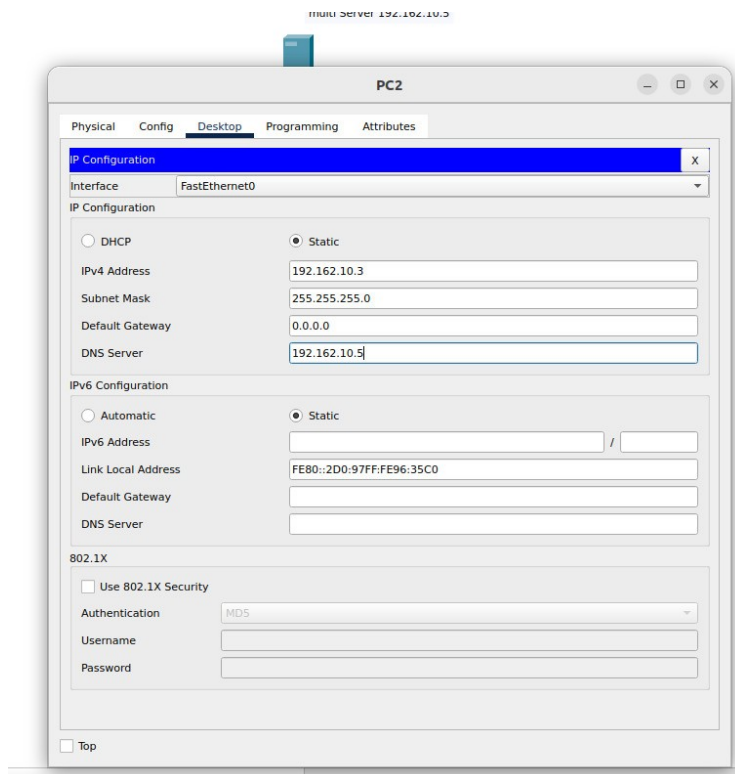
- IPv6 Address: (empty)
- Link Local Address: FE80::201:96FF:FEED:7789
- Default Gateway: (empty)
- DNS Server: (empty)

The '802.1X' section shows 'Use 802.1X Security' unchecked, with 'Authentication' set to 'MD5', and 'Username' and 'Password' fields empty.

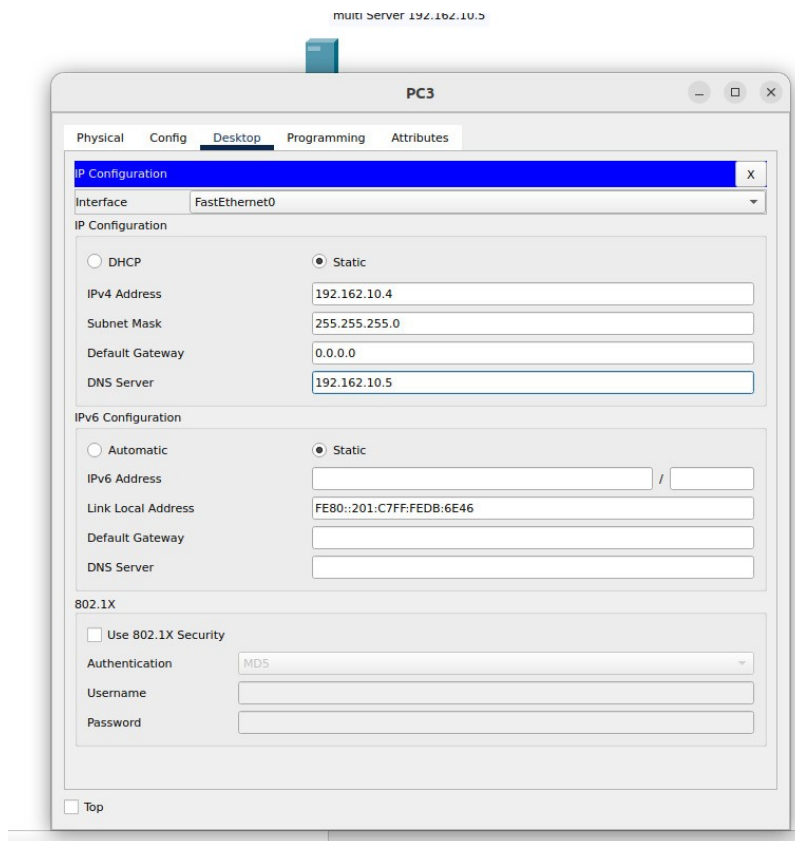
Step5: Configure the Pc1 as Shown in the Picture.



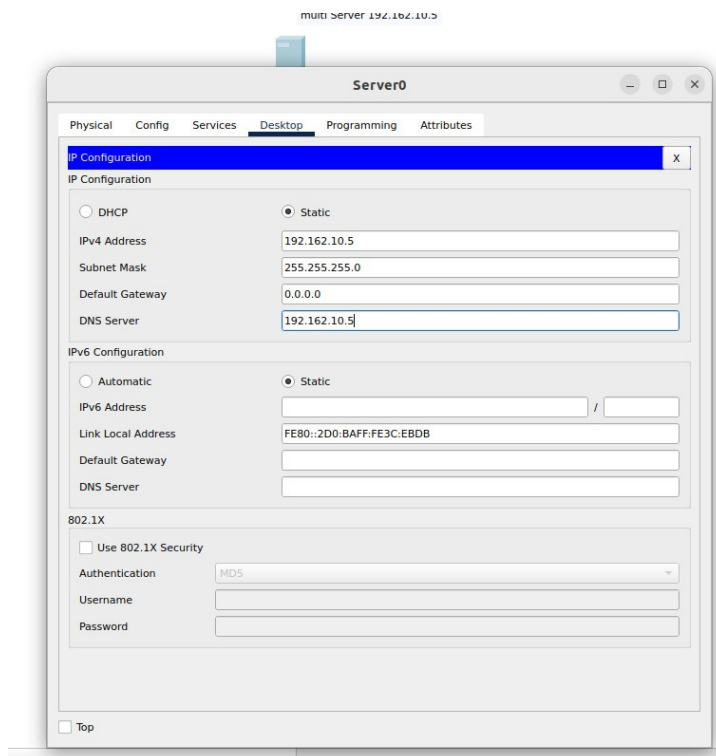
Step6: Configure the Pc2 as Shown in the Picture.



Step7: Configure the Pc3 as Shown in the Picture.



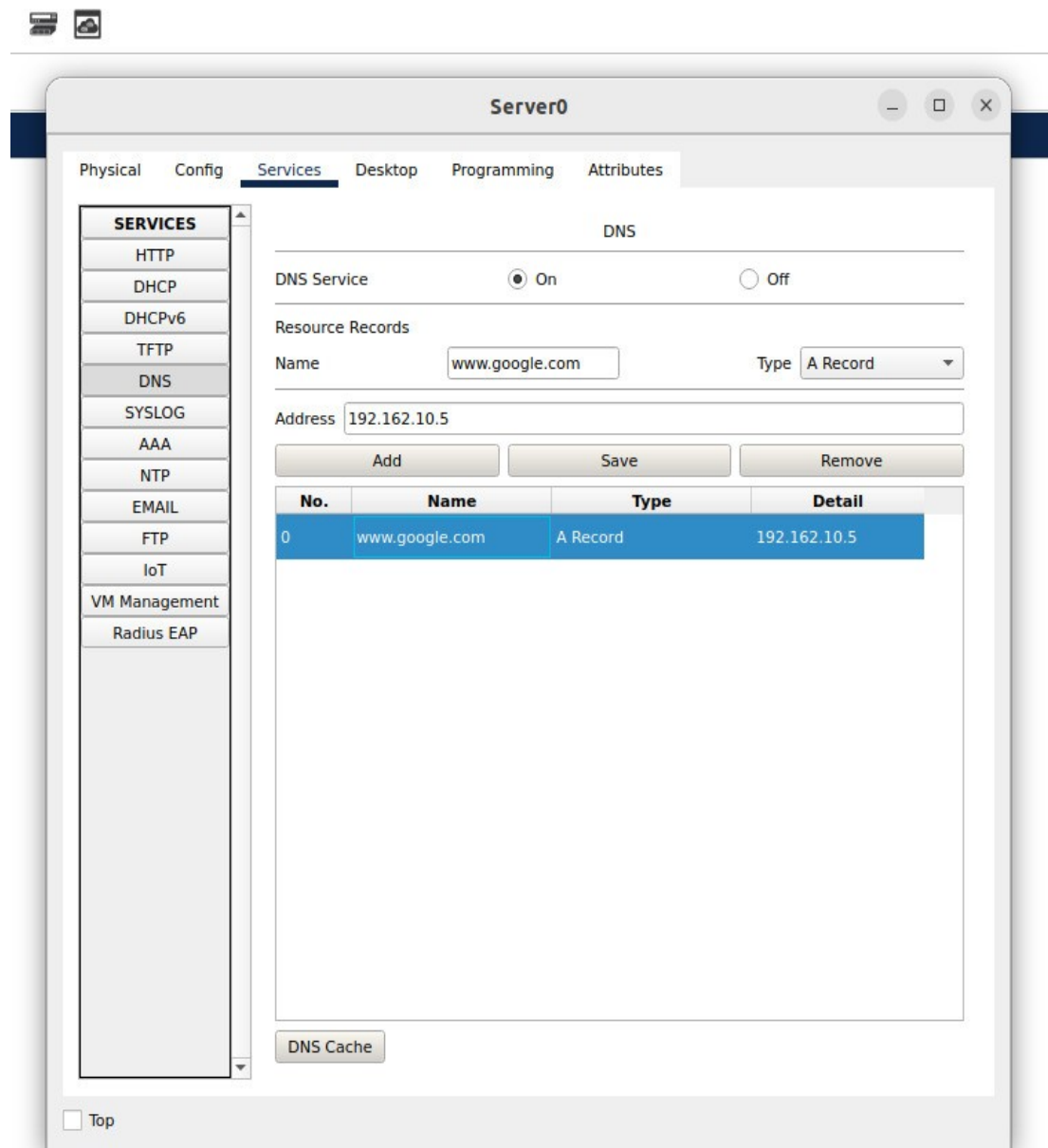
Step8: Configure the Server as Shown in the Picture.



Step9 : Configure the Server-Services-DNS as Shown in the Picture.

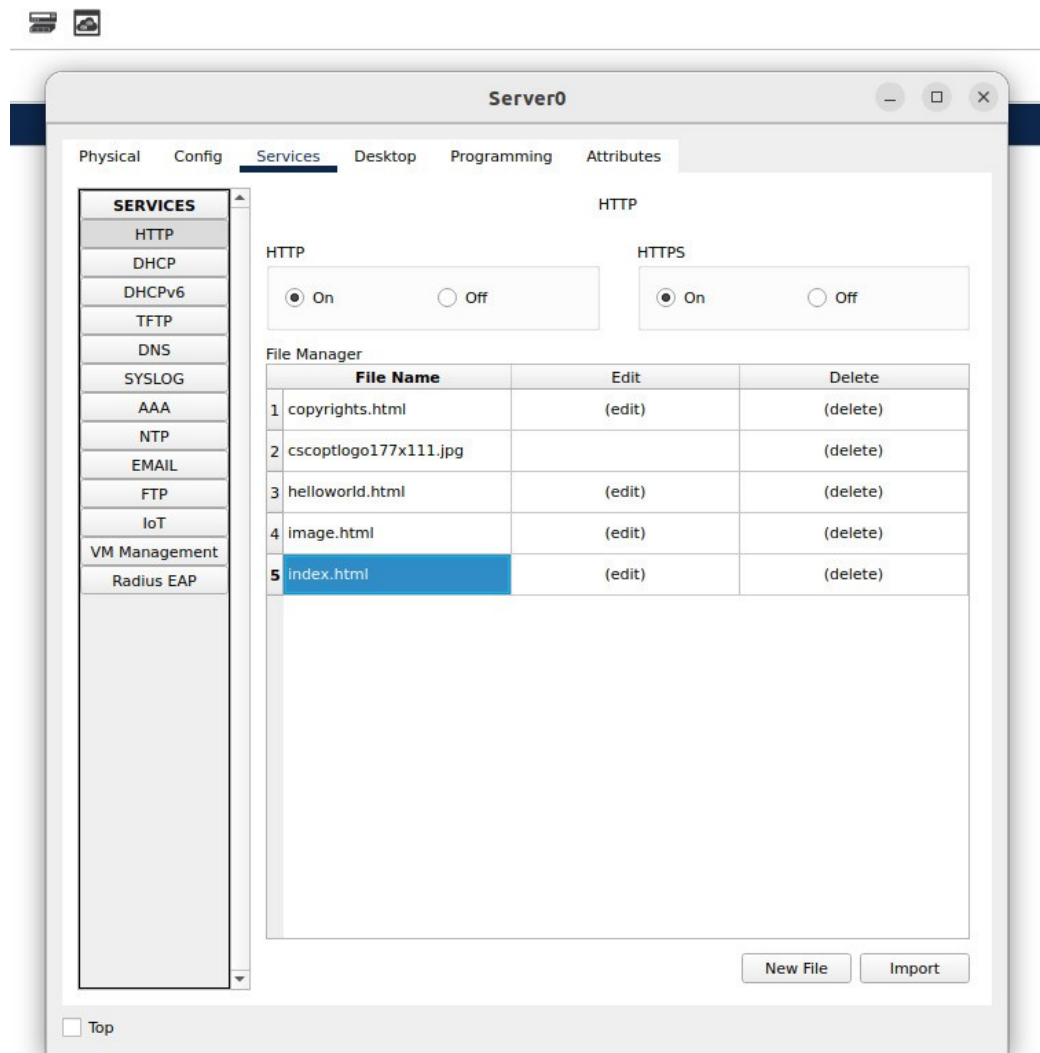
Add Name of the web : [www.google.com](http://www.google.com)

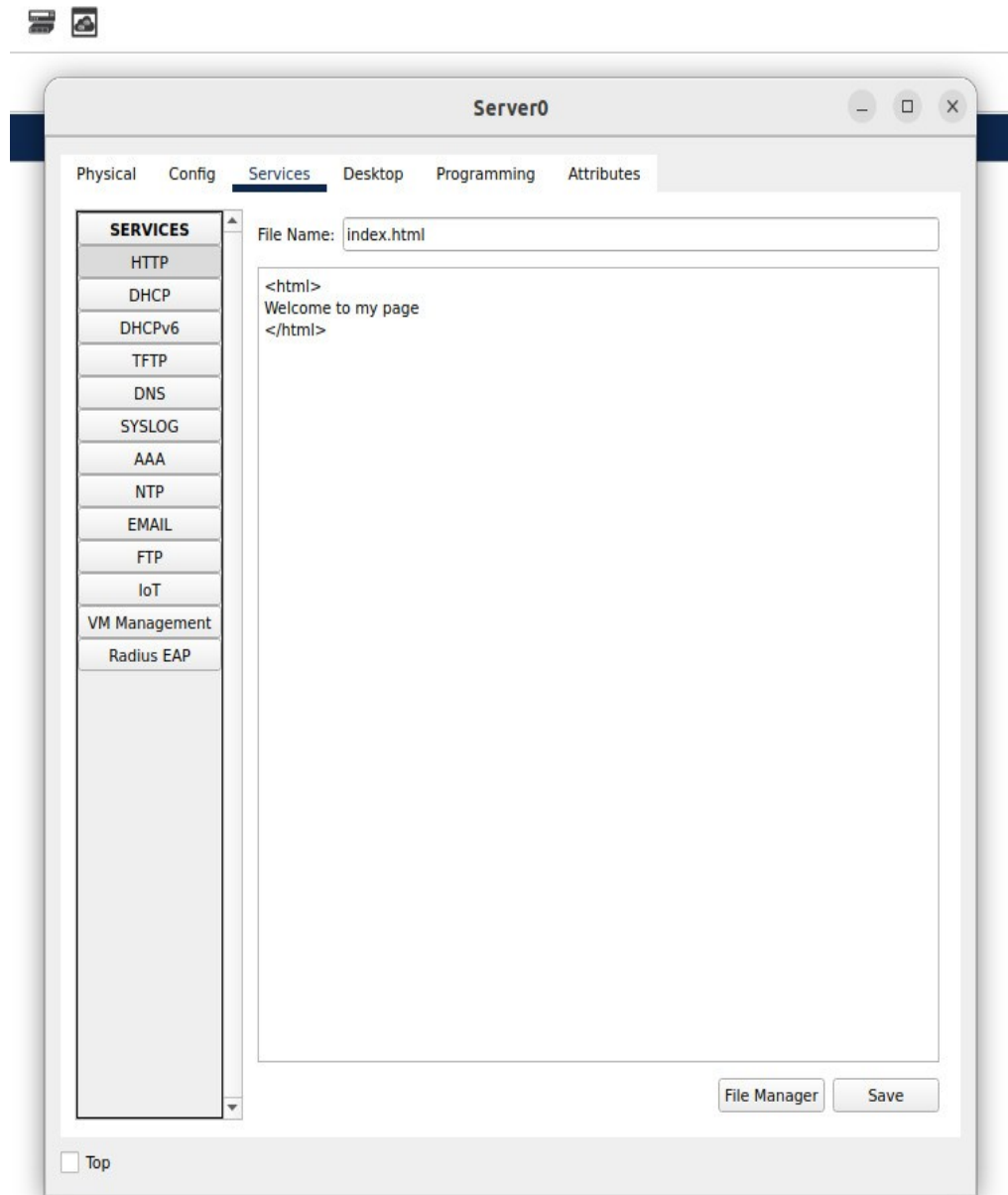
Add IP Address : 192.162.10.5 , DNS Service want to turn ON.



Step10 : Configure the Server-Services-HTTP as Shown in the Picture.

Get into: index.html and edit the file, HTTP and HTTPS Turn on.



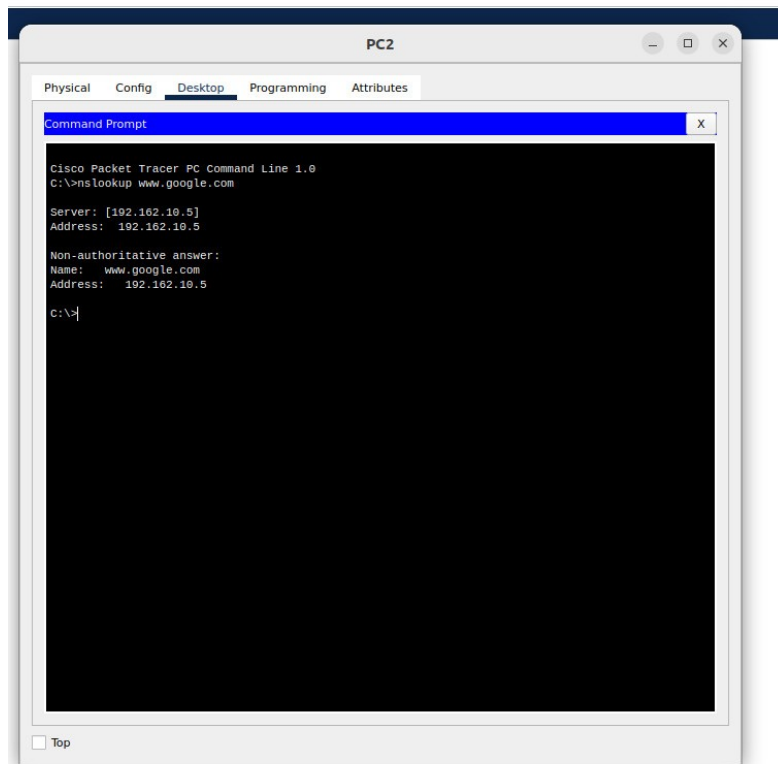


Add your Data : Welcome to my page.

Step11: open Command Prompt on Pc2.

Comment:

#ns lookup [www.google.com](http://www.google.com)



Step12: open Web Browser on Pc2,Enter the URL and search.

