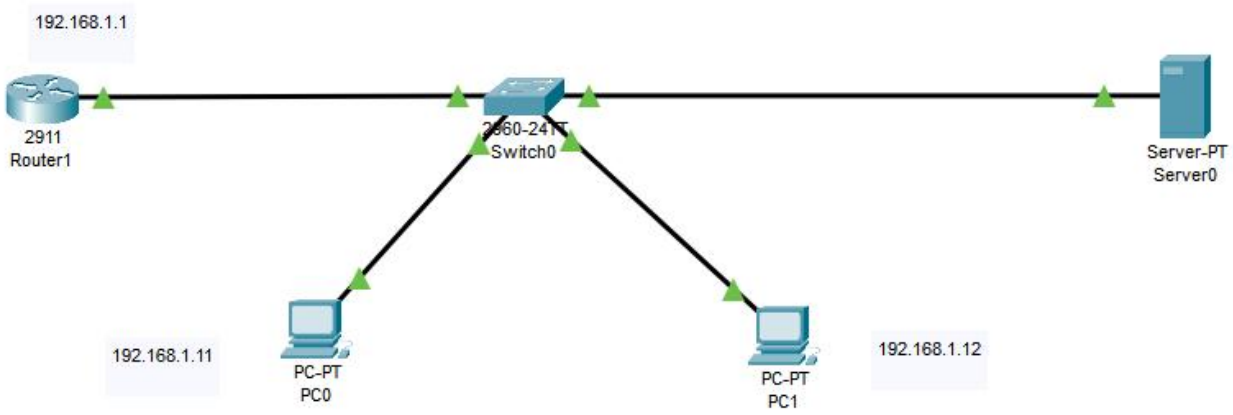
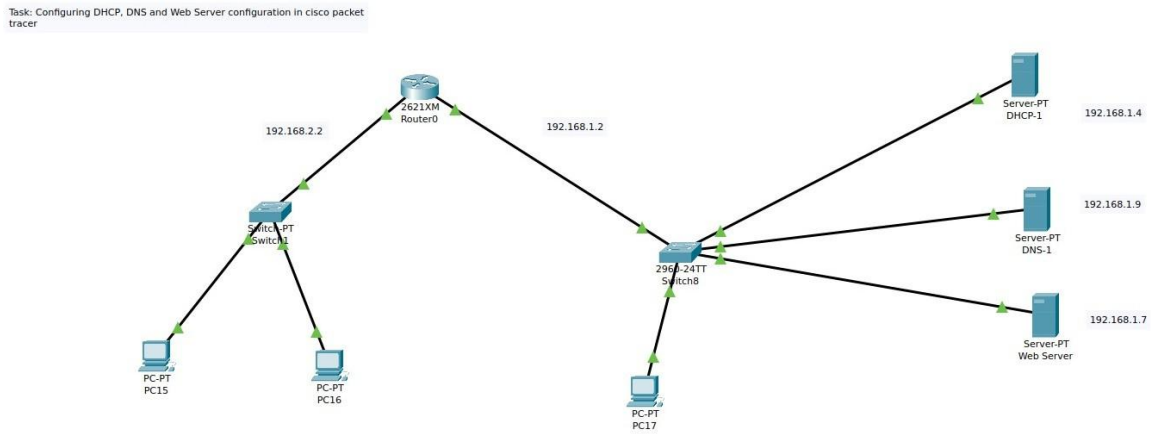
Name : Waqar Ahmed
Roll No: 20P-0750
Task No: 05

Exp1: DNS server configuration in Packet Tracer.

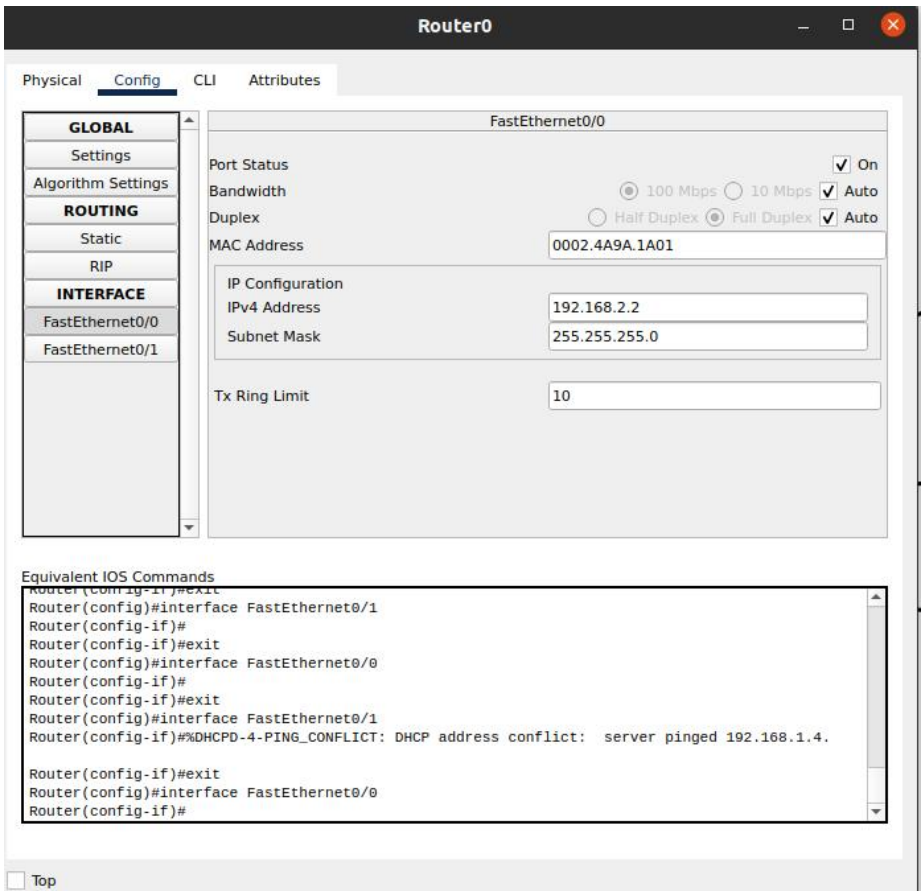


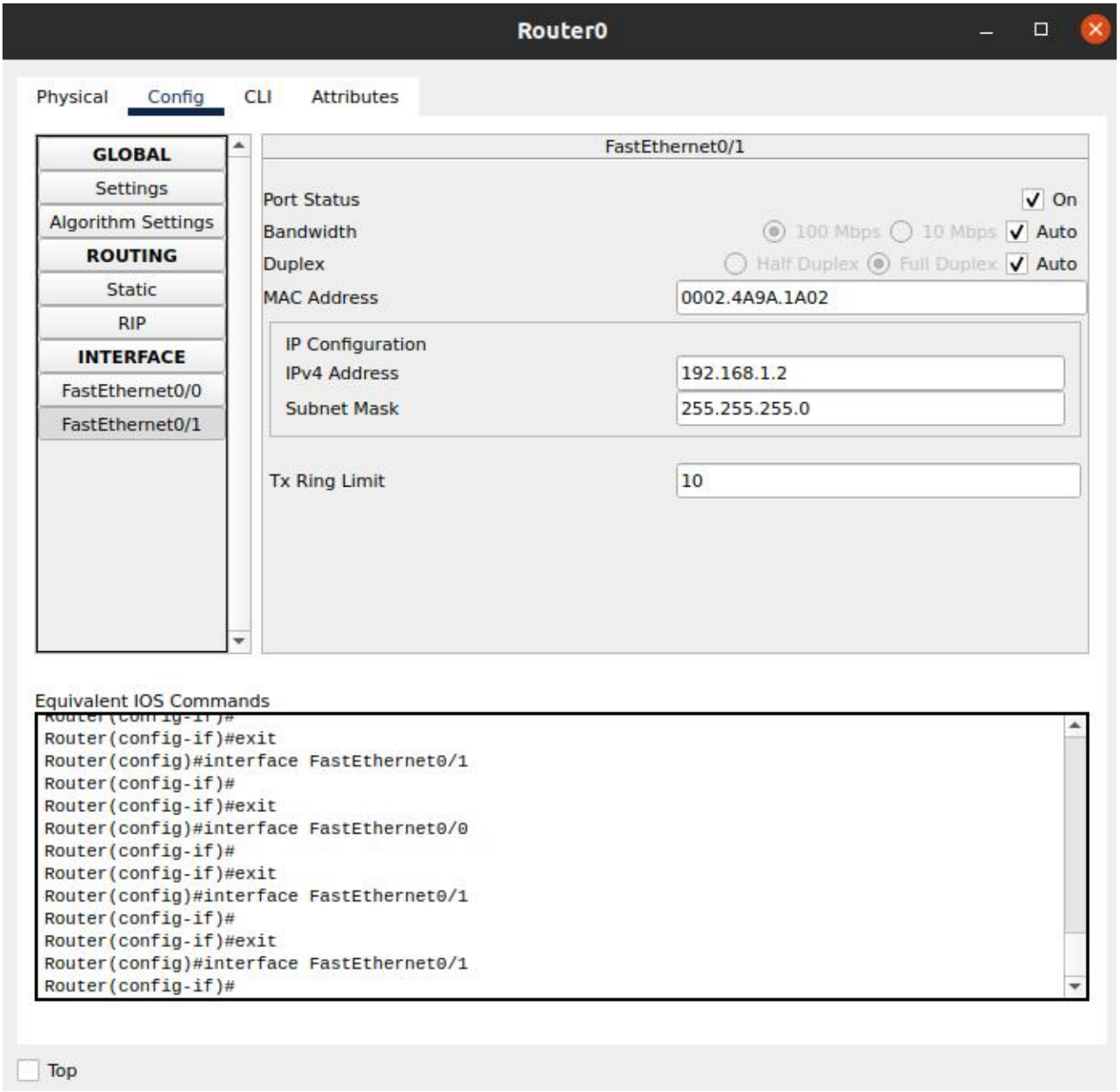
Exp:2

Step1: Create This Topology.



Step2: Assign Ip address to F0/0 and F0/1 of router.


Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0002.4A9A.1A01
IP Configuration
IPv4 Address
192.168.2.2
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.1.4.
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Top

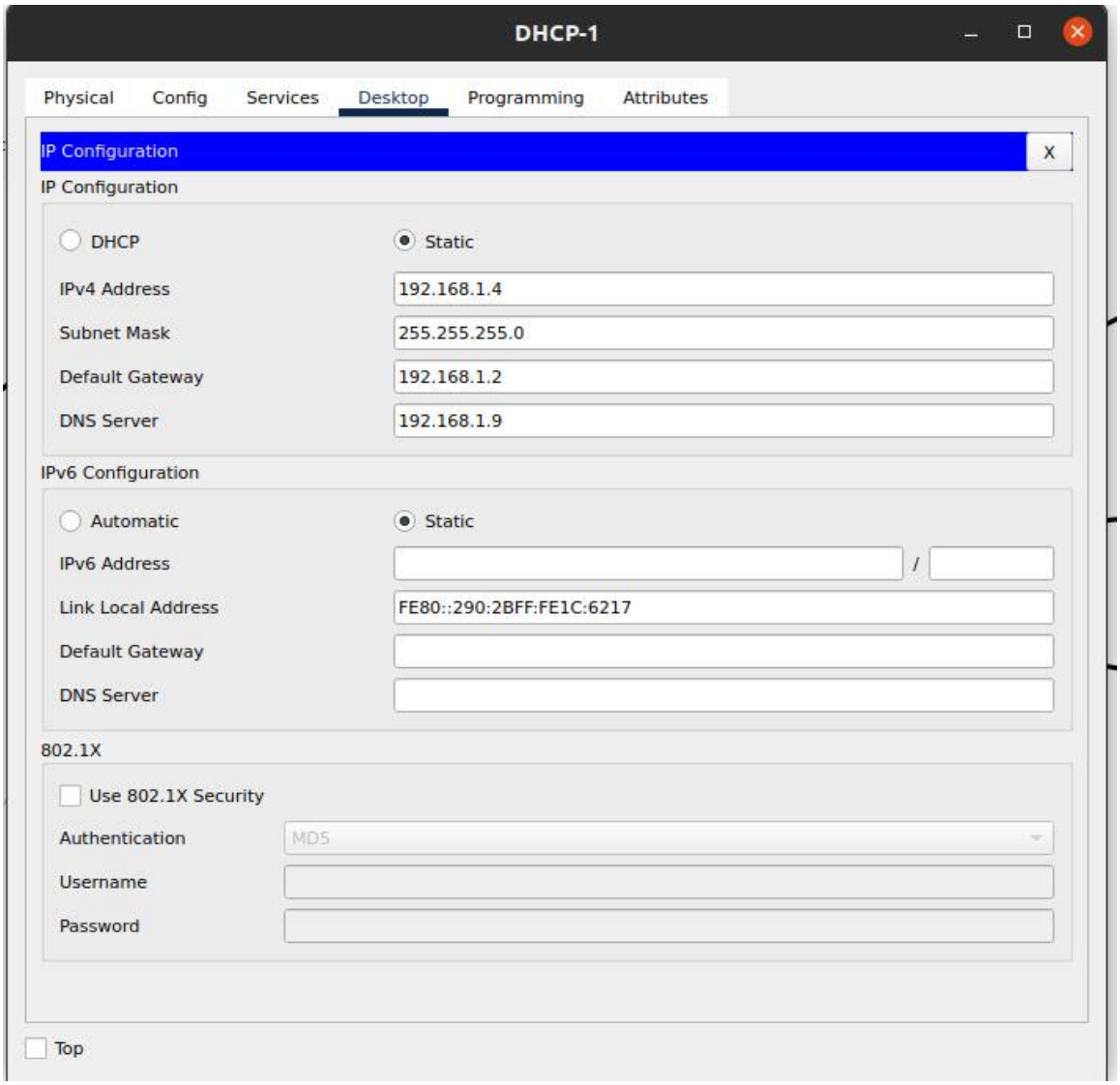


Step3: Open the CLI tab in the **Router0** and go the configuration mode and execute the following commands.

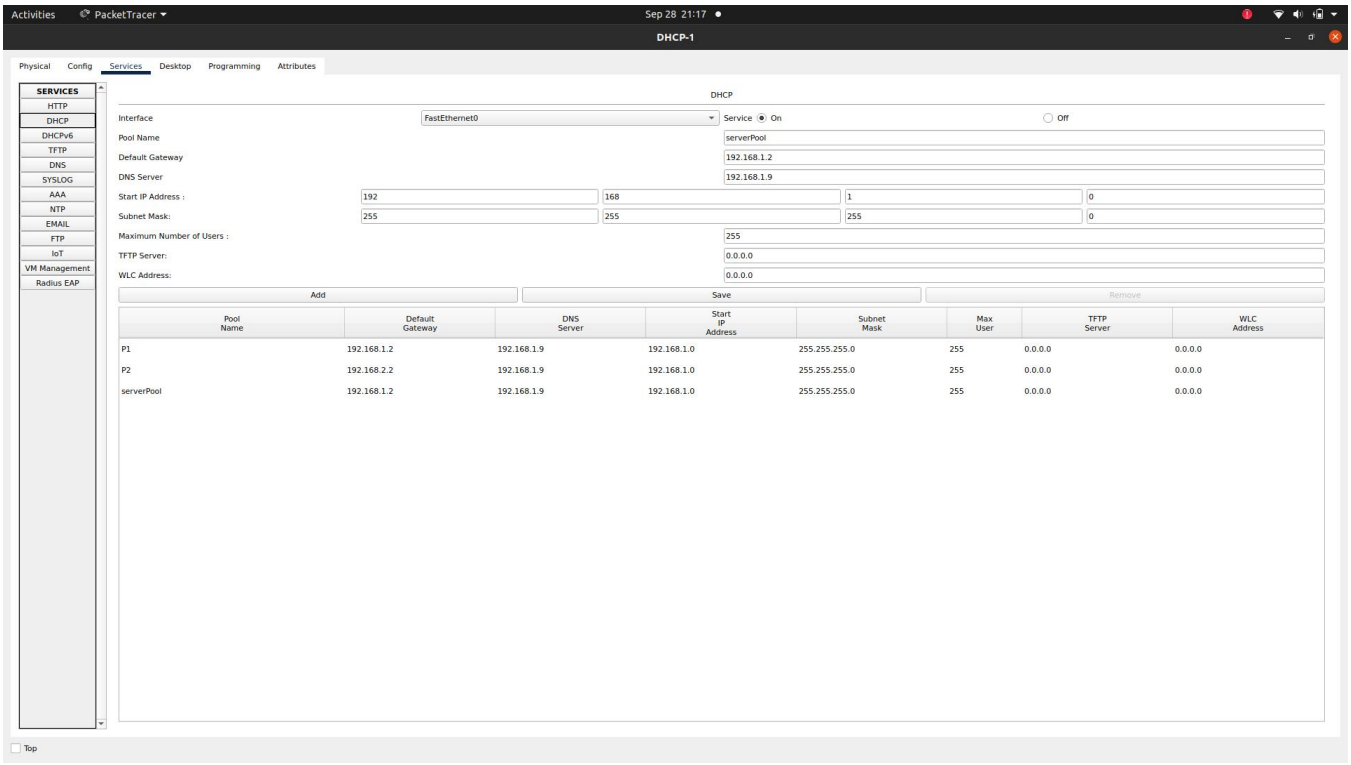
To Go To the configuration mode
=> configure terminal

```
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ip dhcp pool P1
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.2
Router(dhcp-config)#ip dhcp pool P2
Router(dhcp-config)#network 192.168.2.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.2.2
Router(dhcp-config)#
```

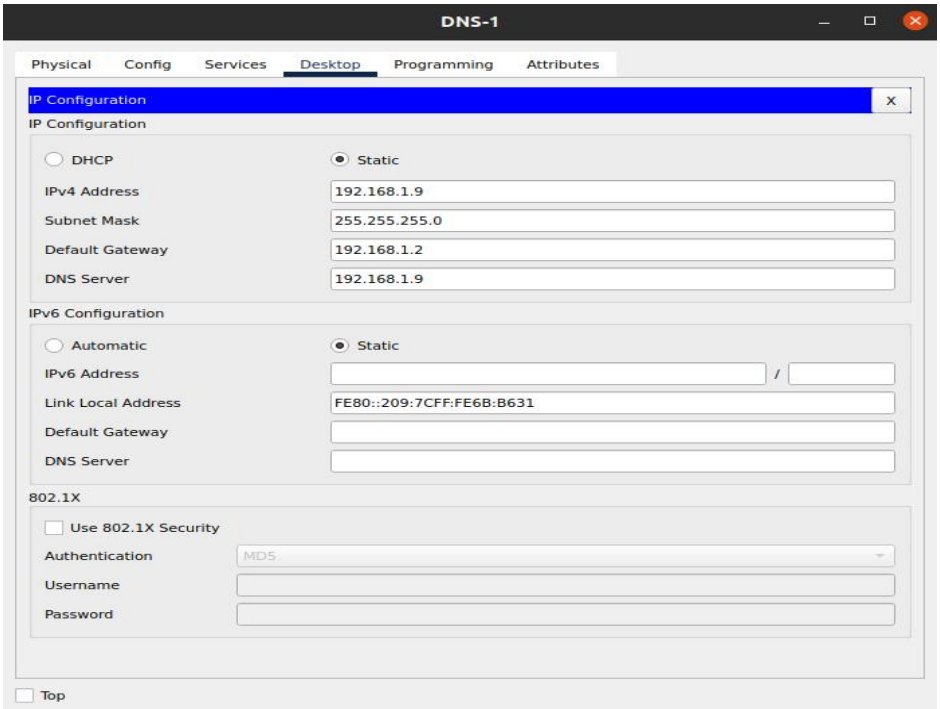
Step4: Apply follows setting on DHCP IP configurations.



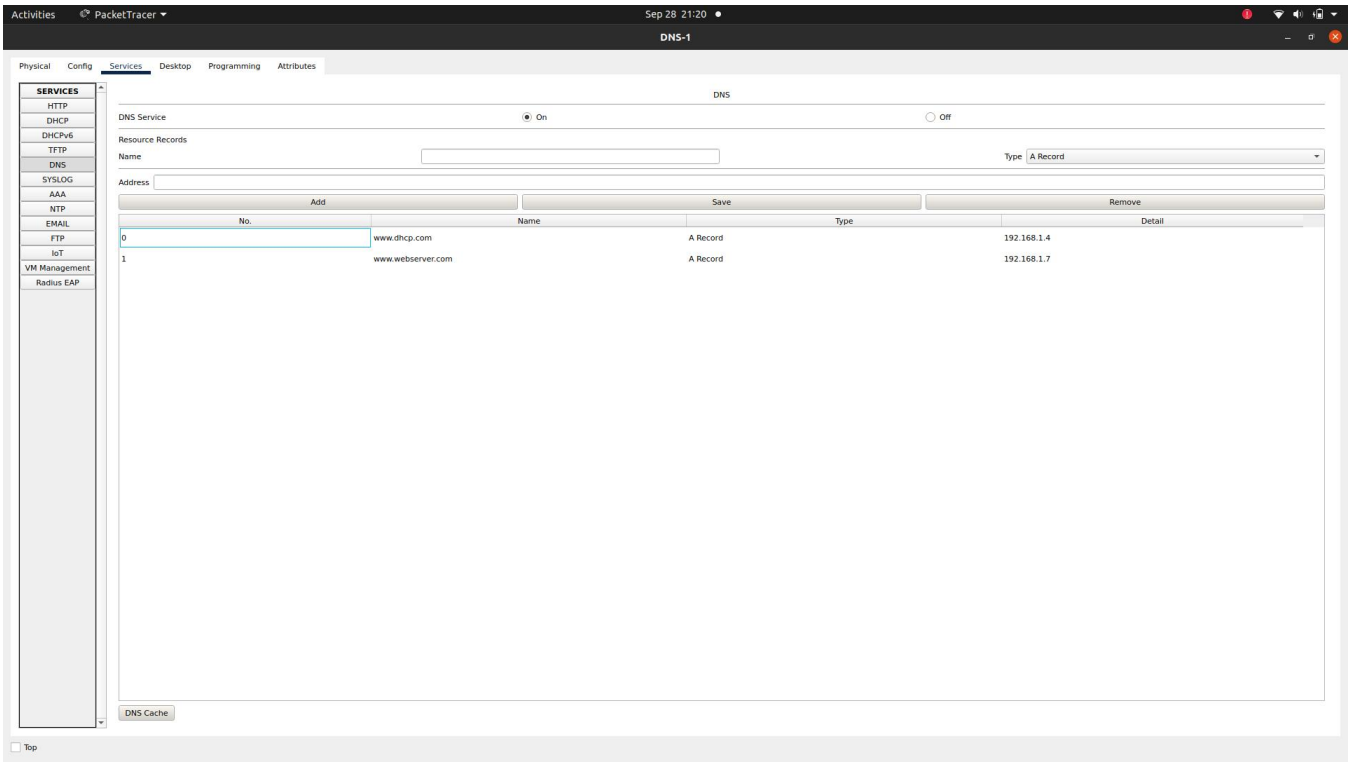
Step5: Open the services tab and enable DHCP Services and Add Pool P1 and Pool P2 with respective Ip Address.



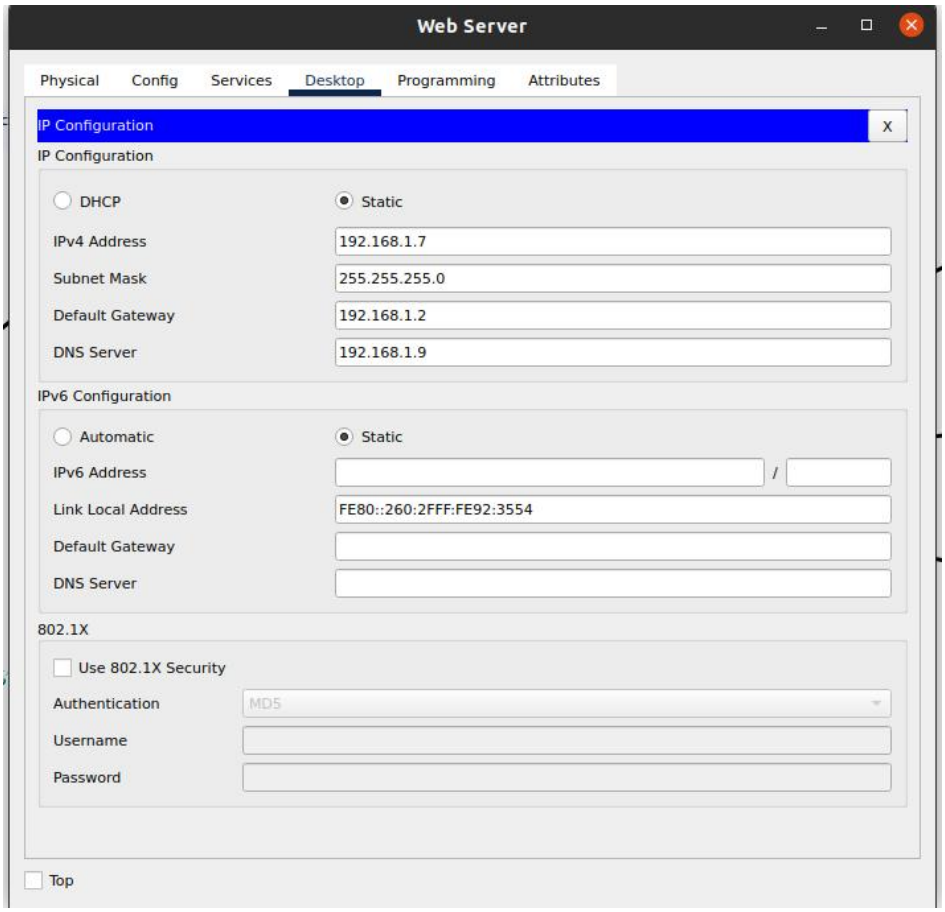
Step 6: Apply follows setting on DNS Ip configuration.



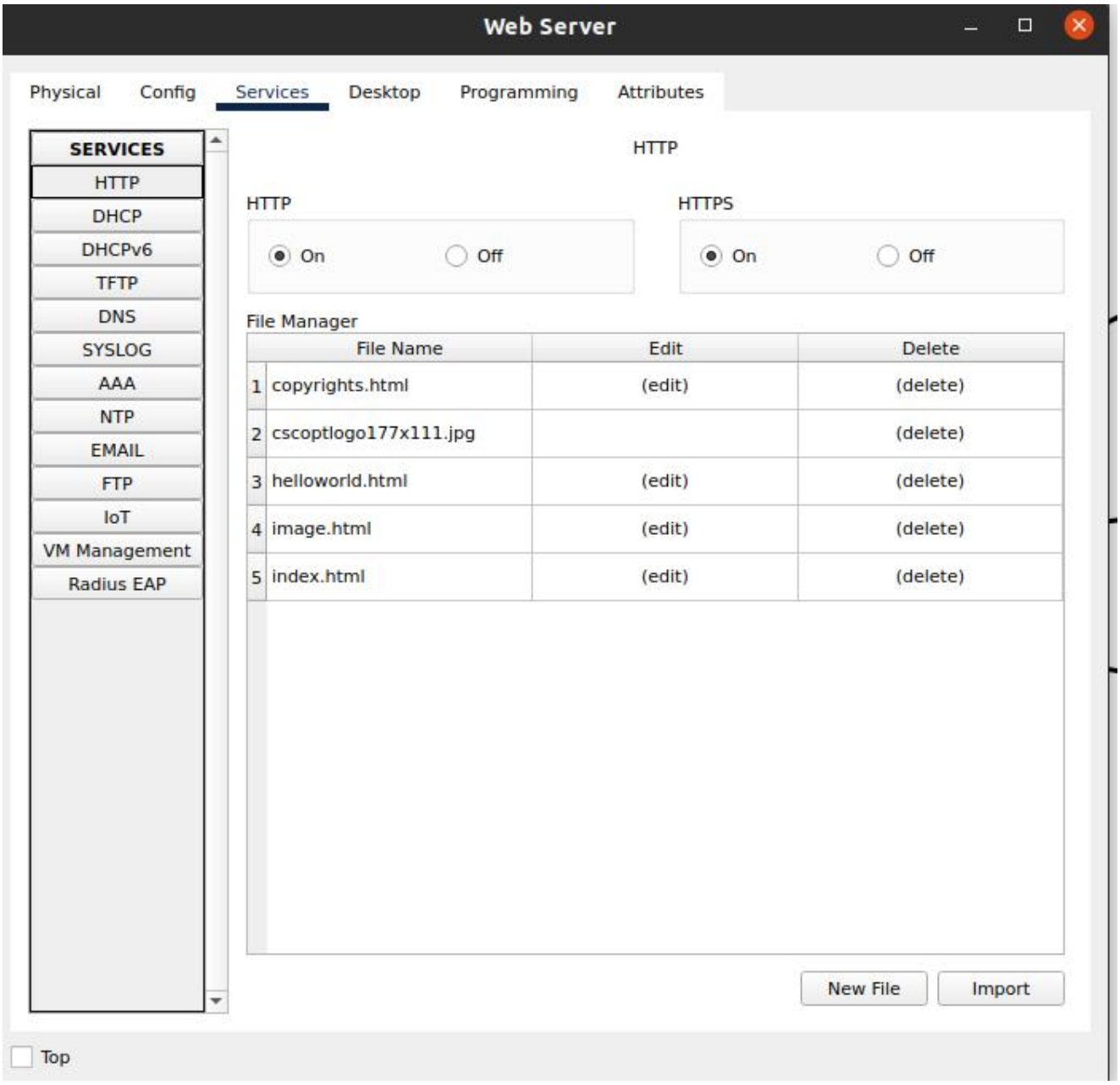
Step7: Enable DNS Services of DNS and add two resources records. Remember ~~To On the DNS~~ Service.



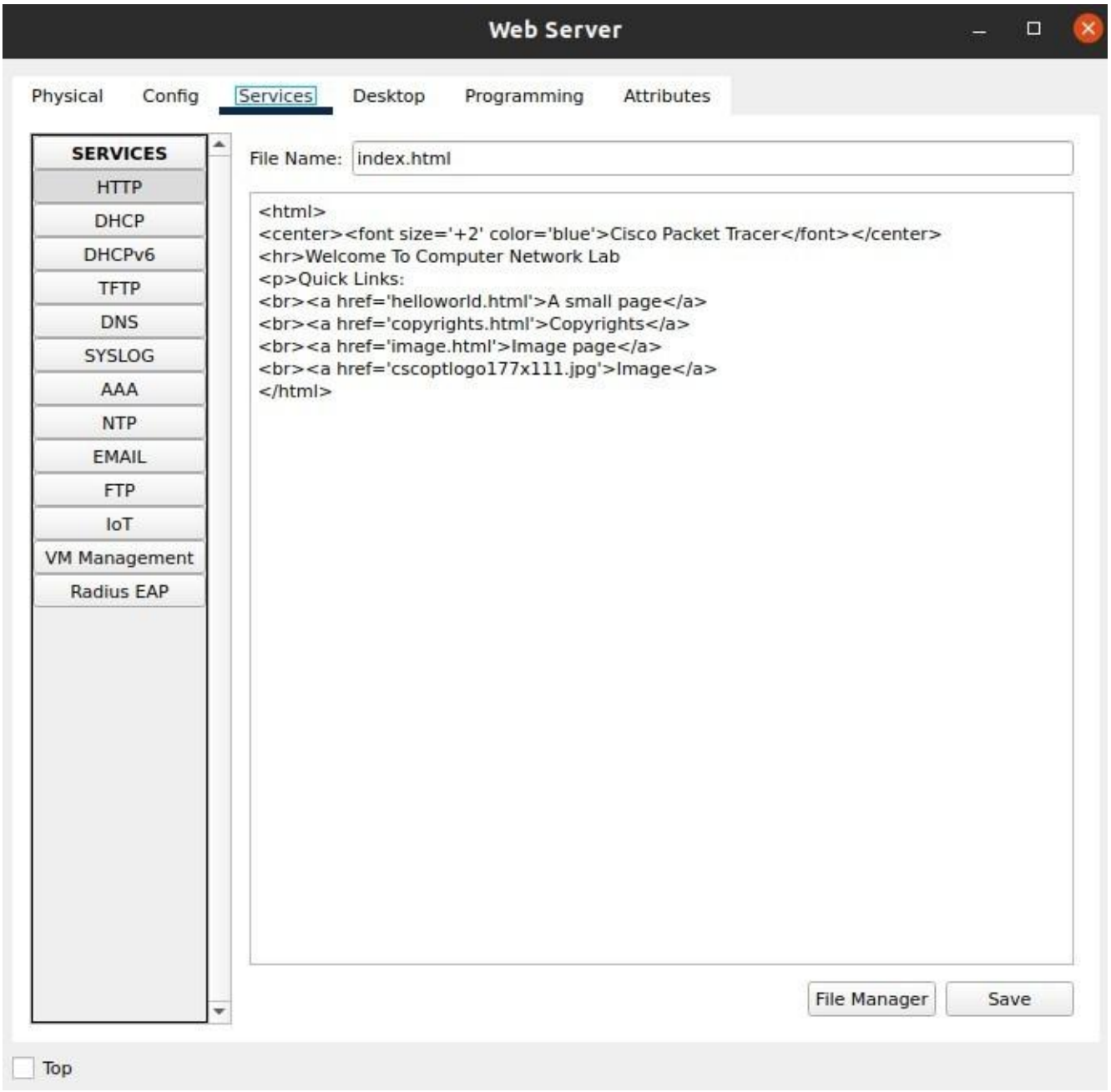
Step8: Apply following IP configuration on the Web Server.


Web Server
Physical
Config
Services
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.7
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.2
DNS Server
192.168.1.9
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::260:2FFF:FE92:3554
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

Step9: Go to Services Tab and then Enable Http and Https in Web Server.



Step10: Edit the index.html file



Step11: Now go to every PC and on their IP configuration tabs, enable DHCP. Every PC should be able to obtain an IP address, default gateway and DNS server.

Click PC17->Desktop->IP configuration. Then enable DHCP: