

Name: Ammaar Naeem Laghari

Roll No: 20P-0180

Section: BCS-5B

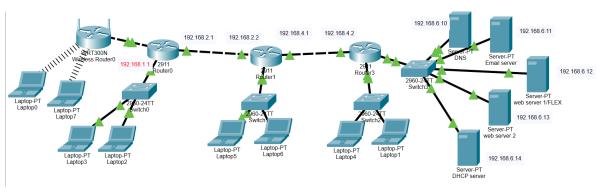
Course Name: Computer Networks LAB

Submitted to : Mam Hurmat Hidayat

Q1:

Step 1:

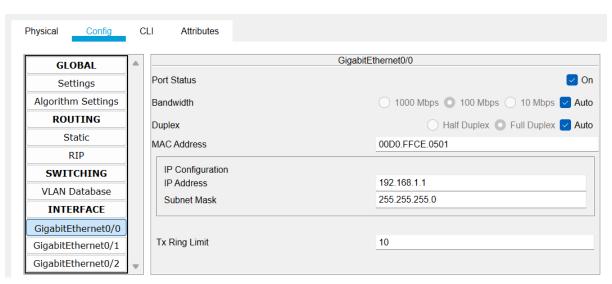
Build a Network topology.

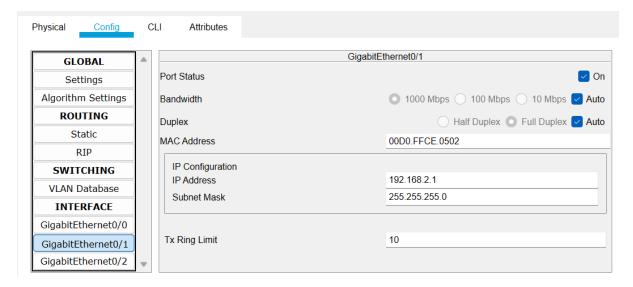


Step 2

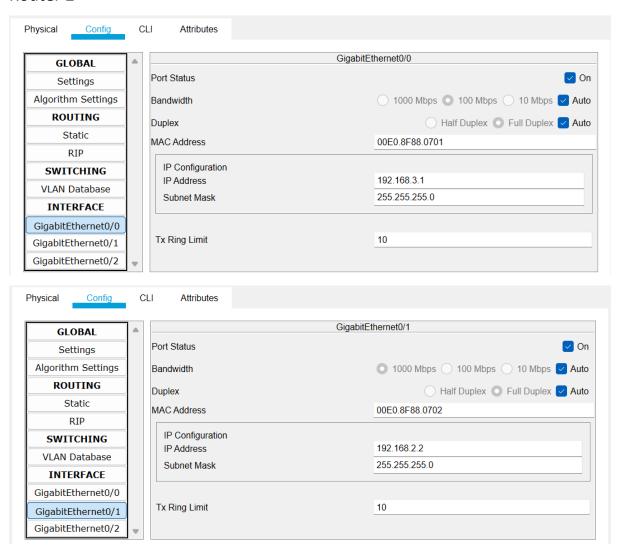
Configure the routers.

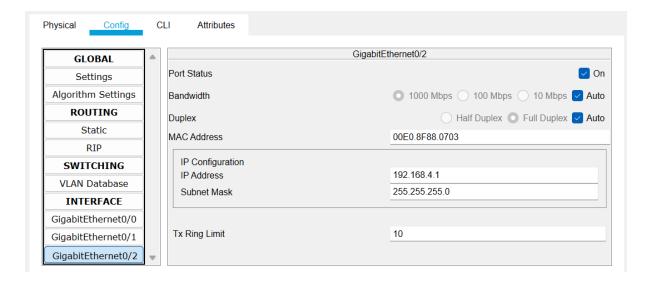
Router 1:



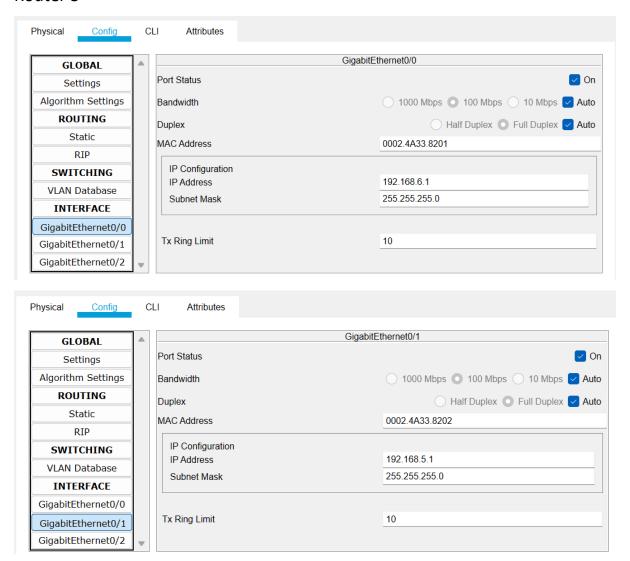


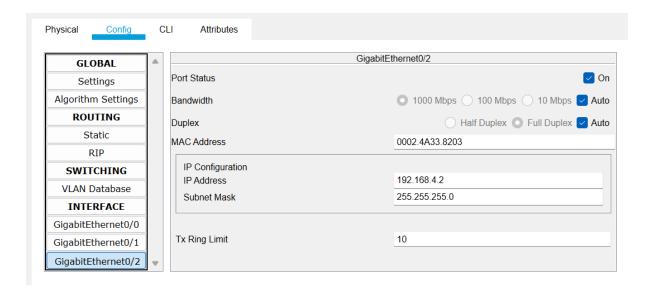
Router 2



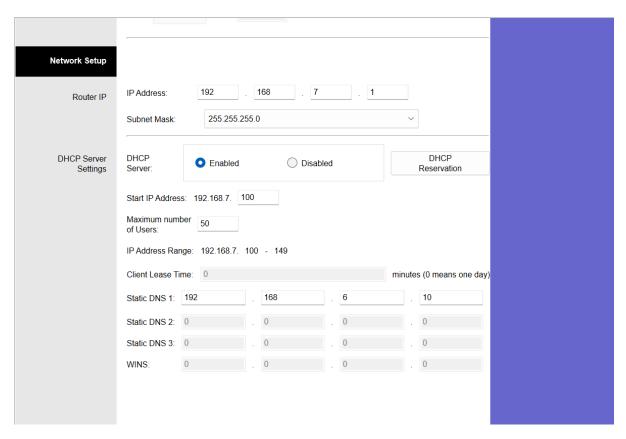


Router 3





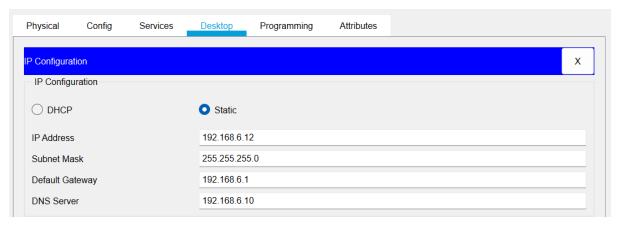
Wireless router:

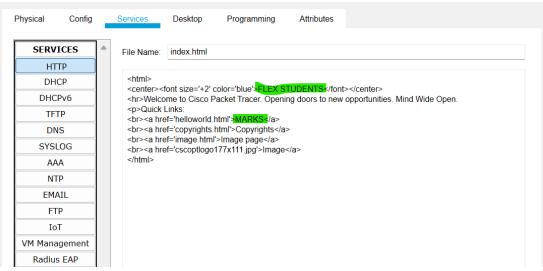


Step 3:

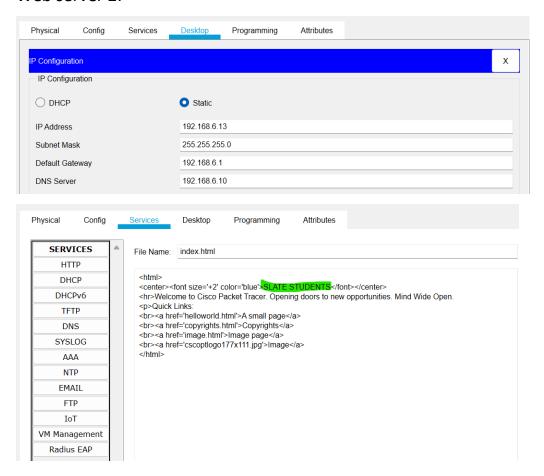
Web servers Configuration.

Web server 1:

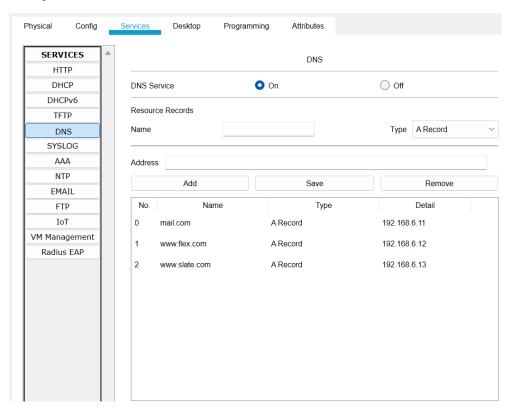




Web server 2:

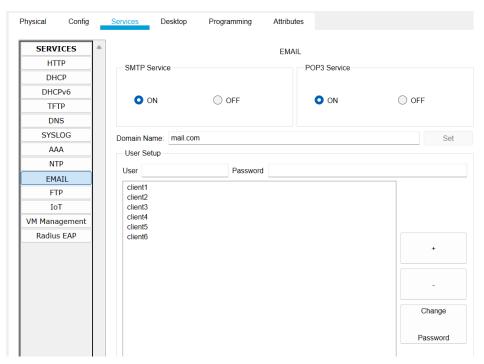


Step 4: DNS server configuration.



Step 5:

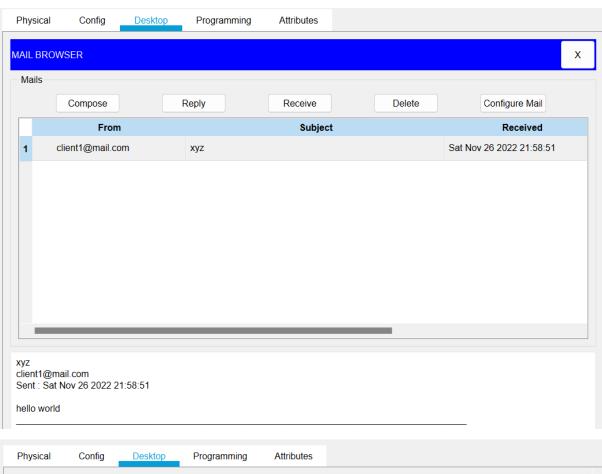
Email server configuration

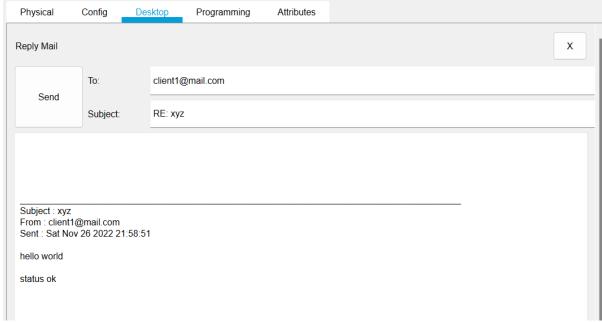


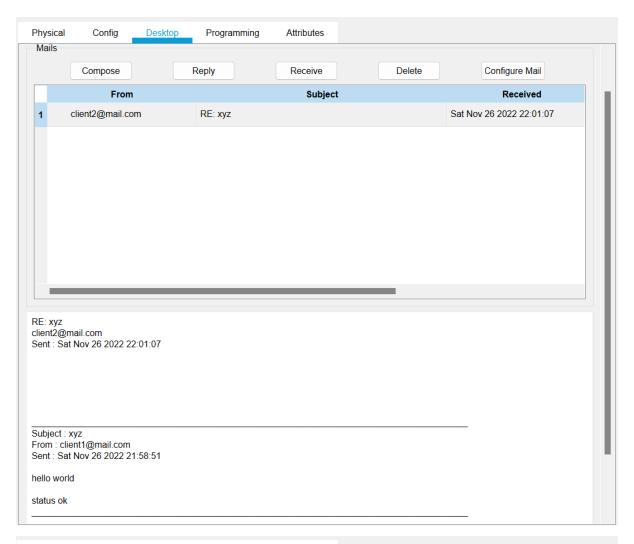
Step 6:

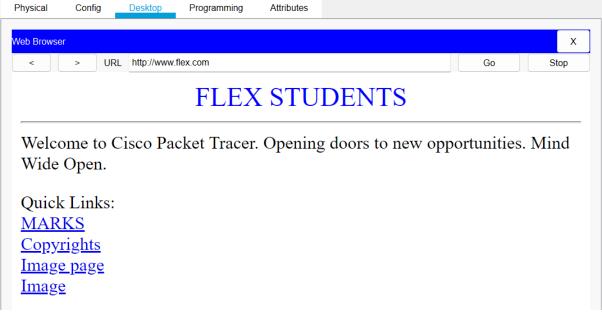
Check Email received and reply

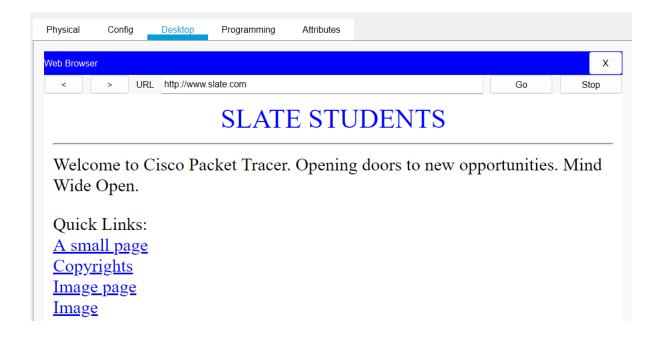












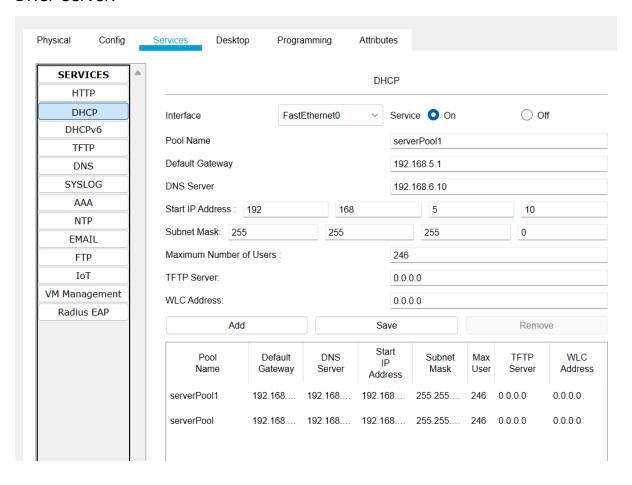
Step 7:

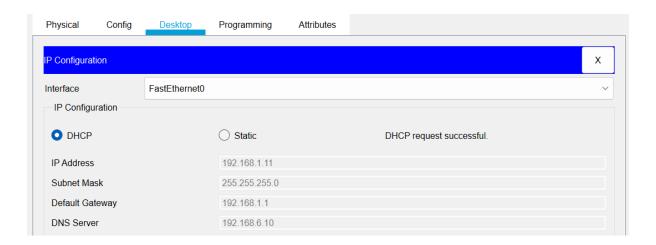
Making DHCP pool in router for assigning ip address dynamically.

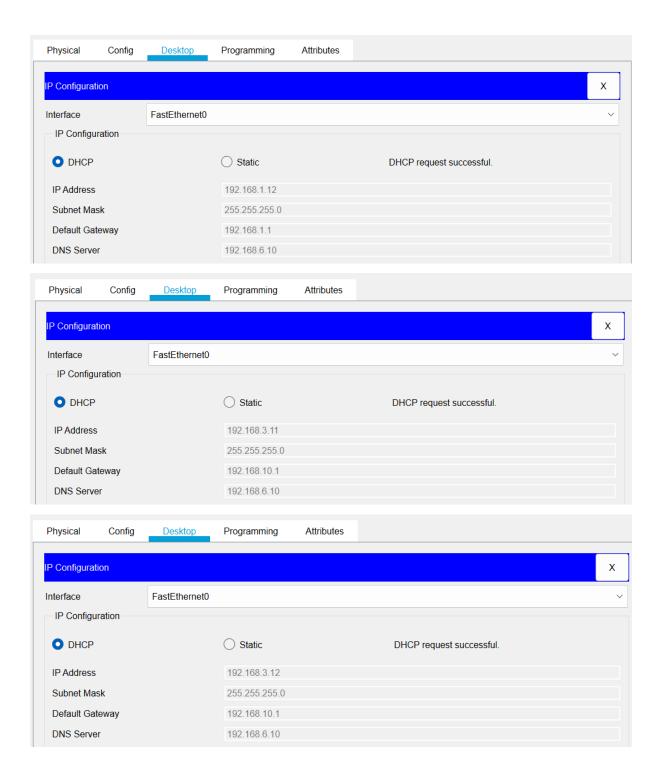
Router 1:

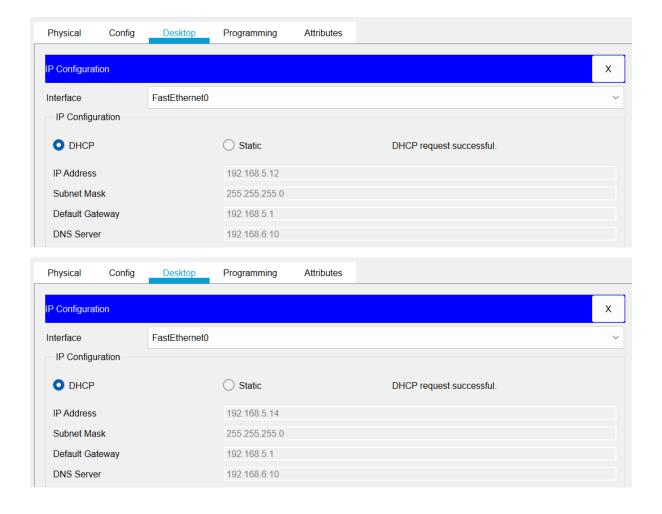
```
Router>
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip dhcp pool IPD
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.1
Router(dhcp-config)#dns-server 192.168.6.10
Router(dhcp-config)#
Router(dhcp-config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#ip dhcp excluded-address 192.168.1.1 192.168.1.10
```

DHCP Server:









THE END