Computer Networks Lab Task #14 Saad Ahmad 20P-0051

Topology:

3x labs

1x academics building

1x Server room

Requirements:

4x Routers

5x switches

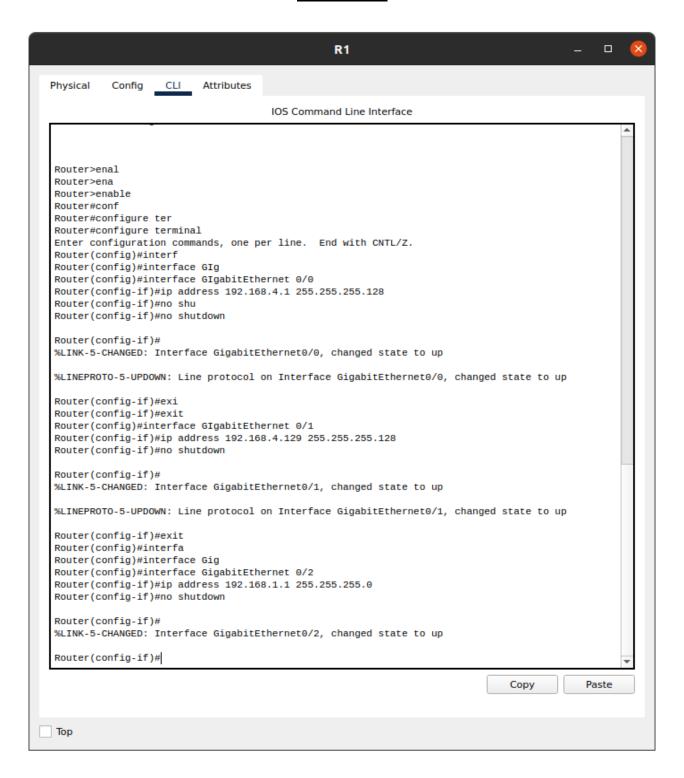
PCs

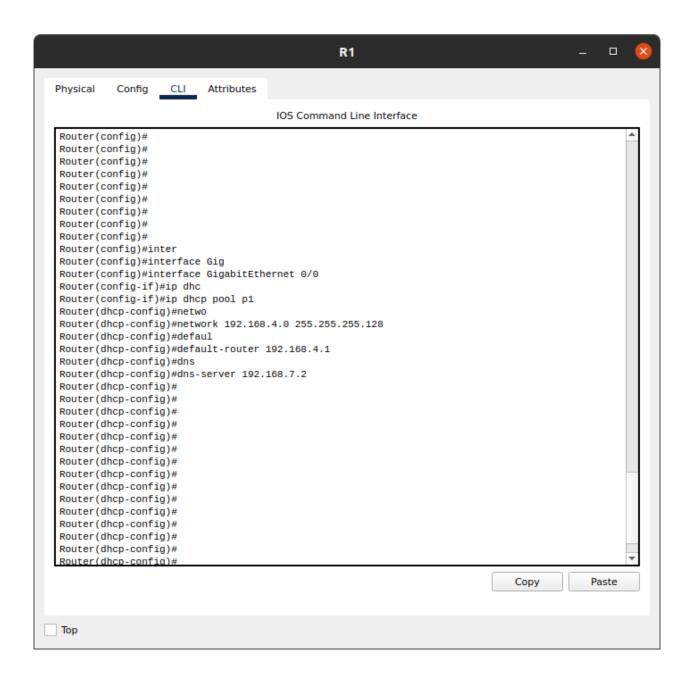
Server

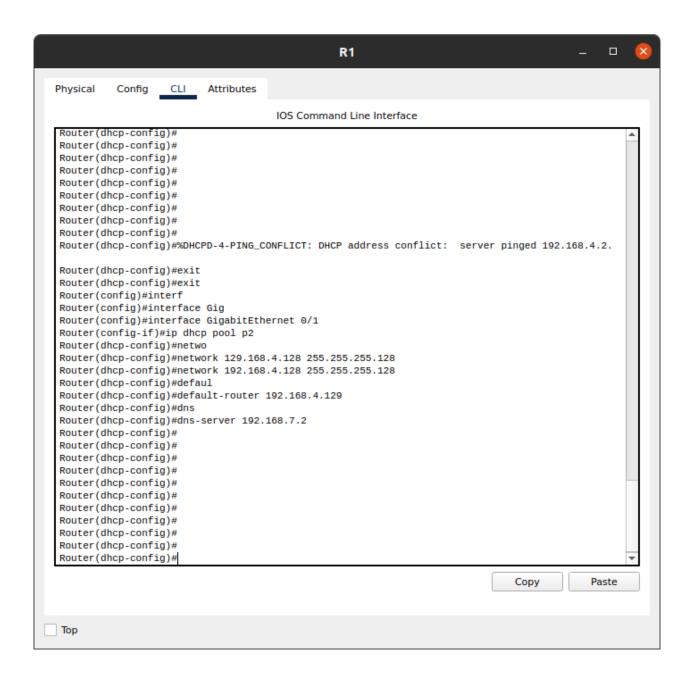
Networks:

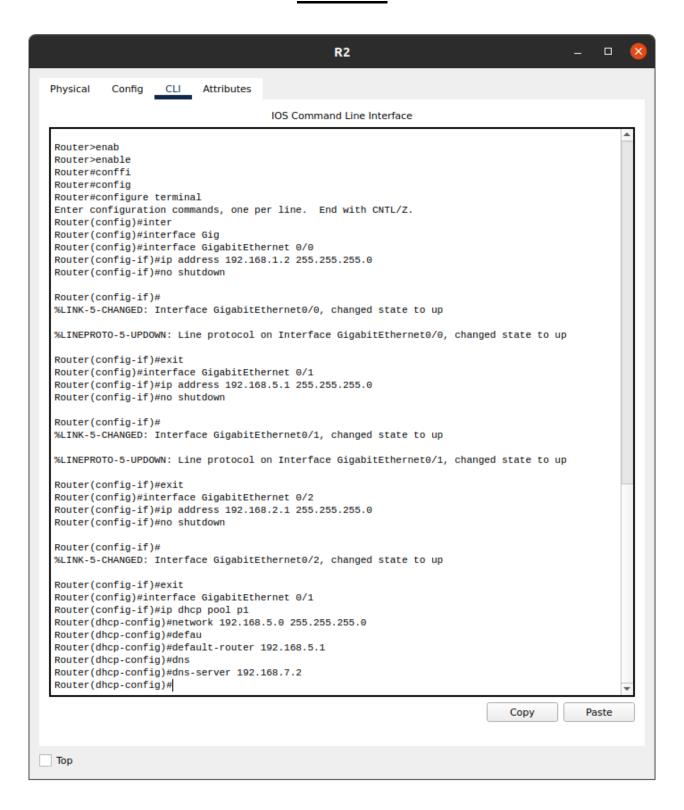
there will be 7 networks in this topology.

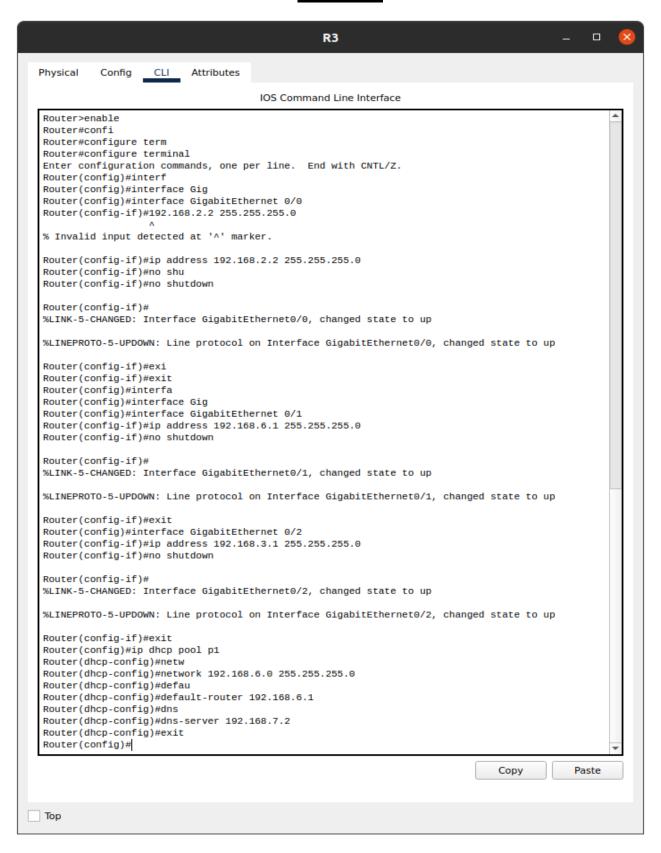
Configuring Routers:

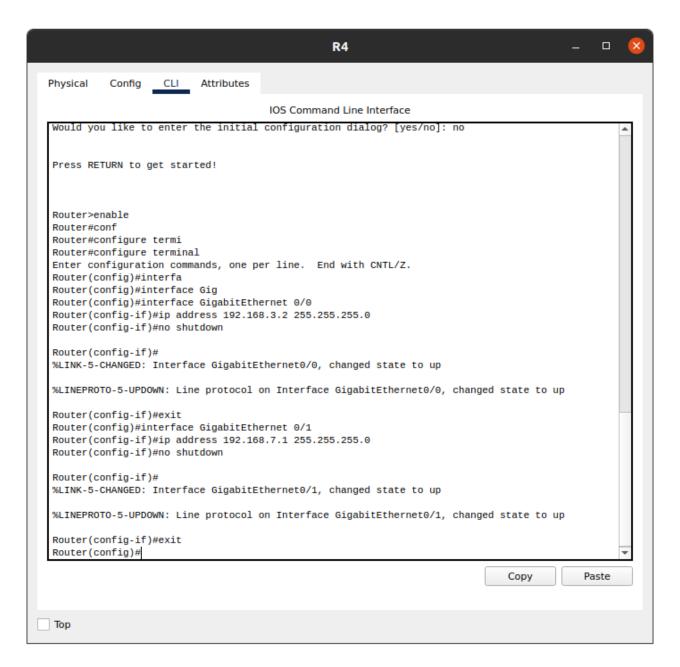




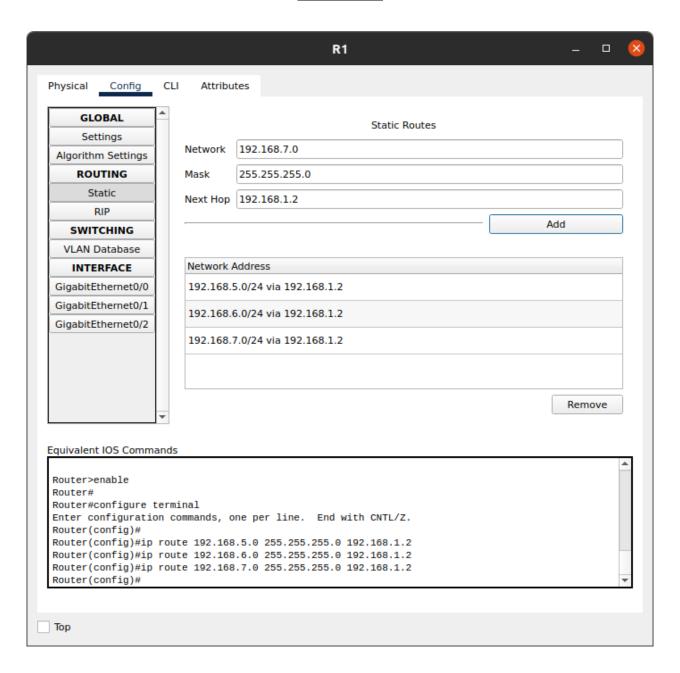


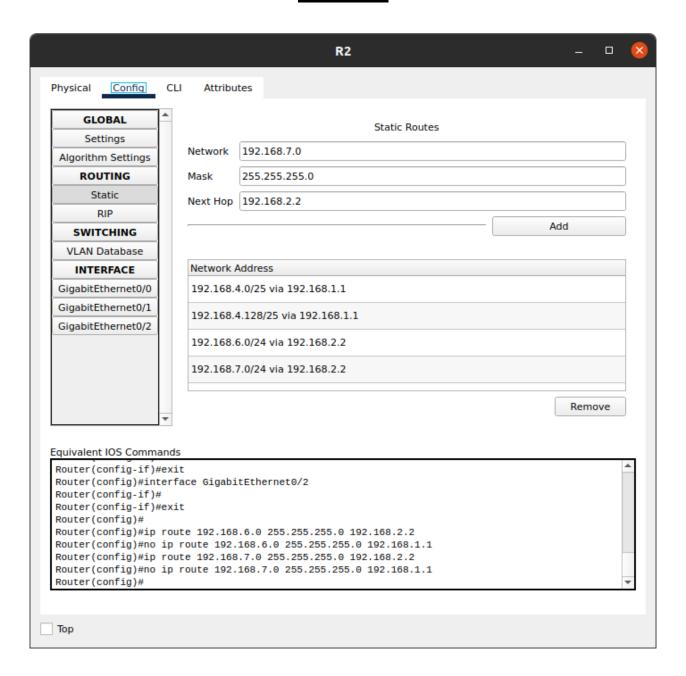


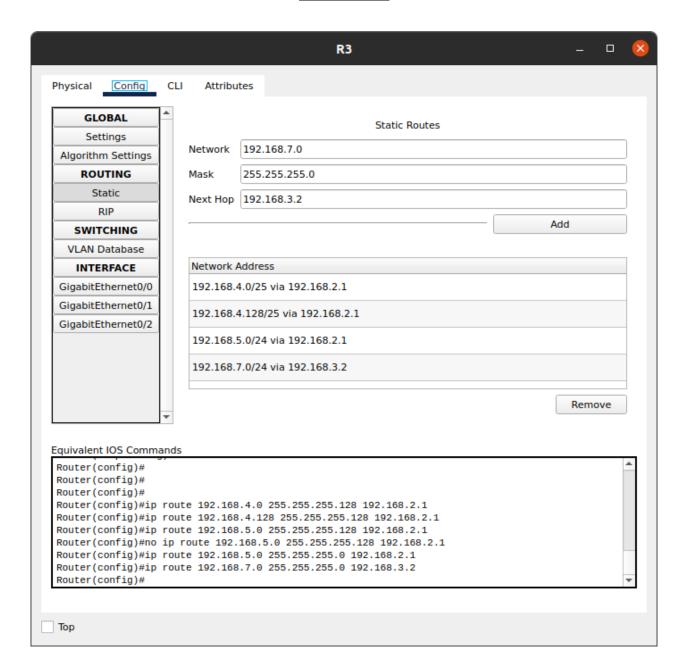


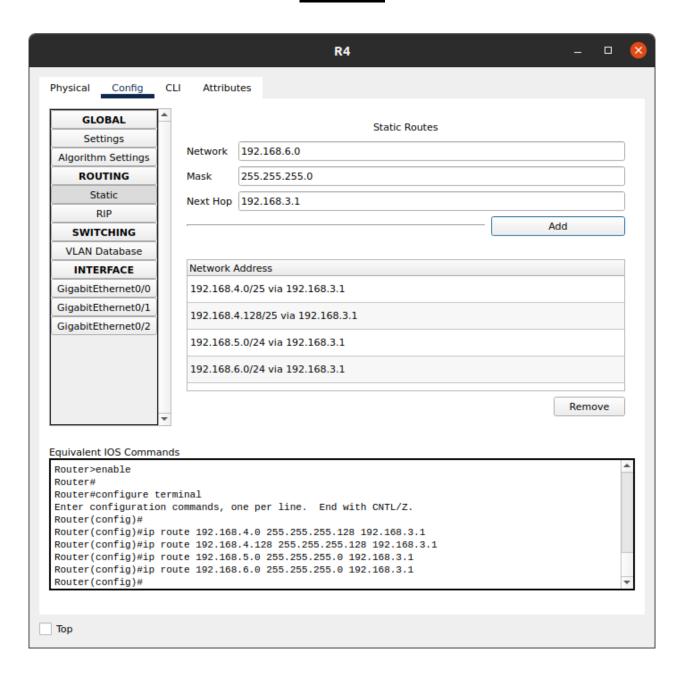


Configuring static routing

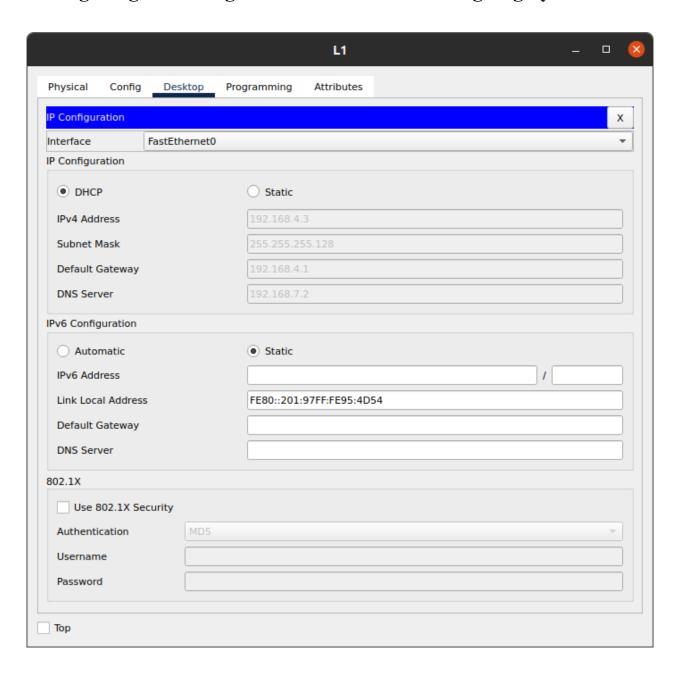


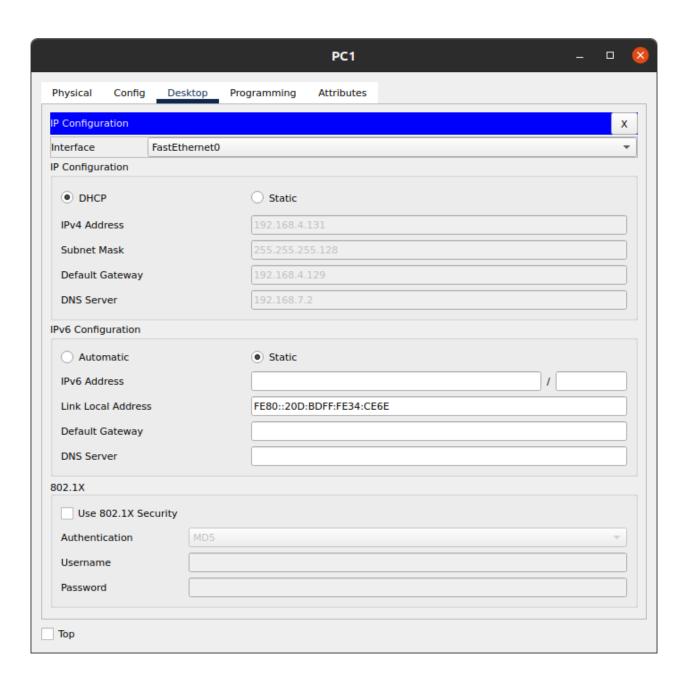






Configuring PCs using DHCP in routers and assigning dynamic IPs.

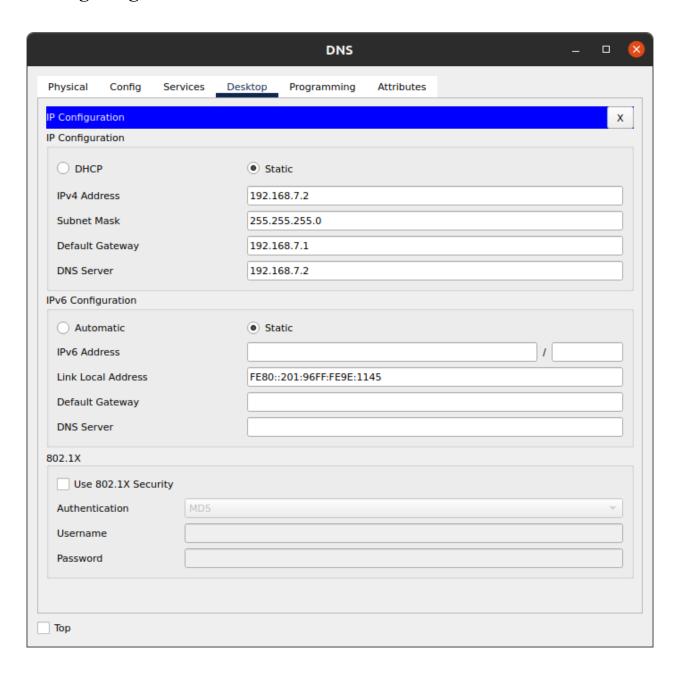


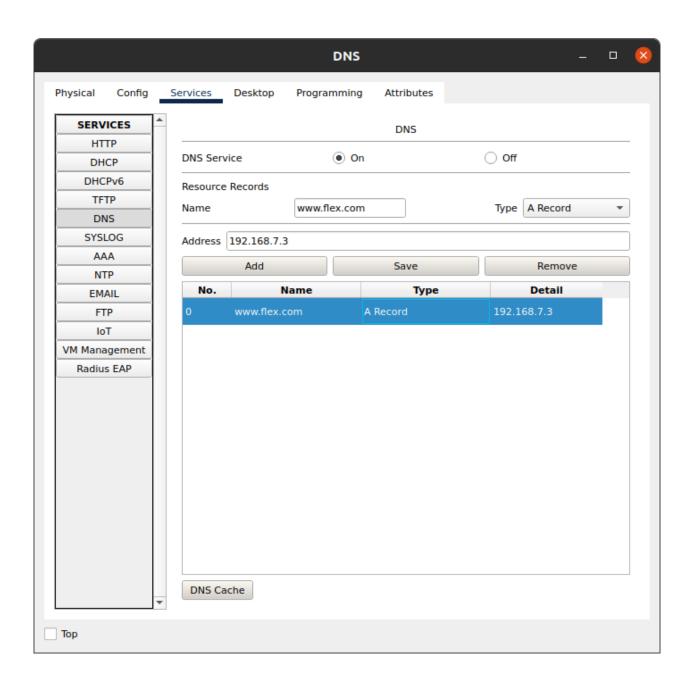




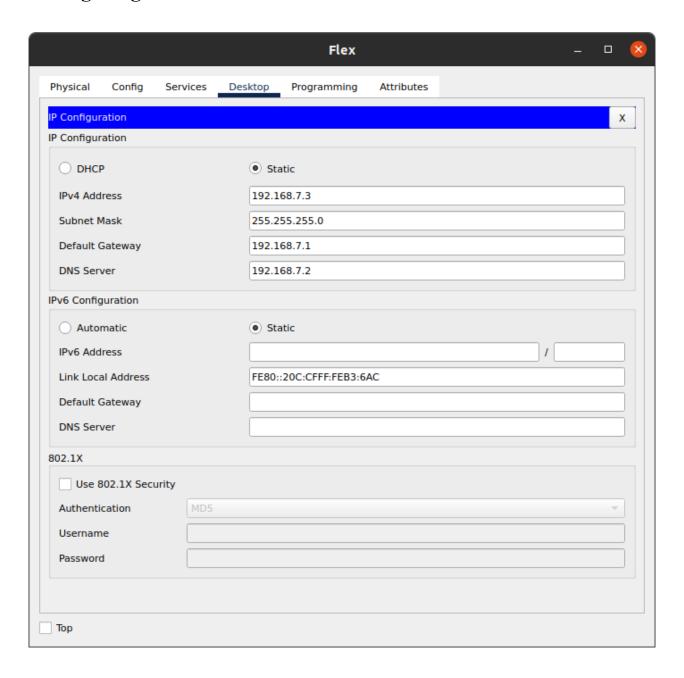


Configuring DNS





Configuring Flex server



Testing the connections:

