# **NETWORK AND COMMUNICATIONS**

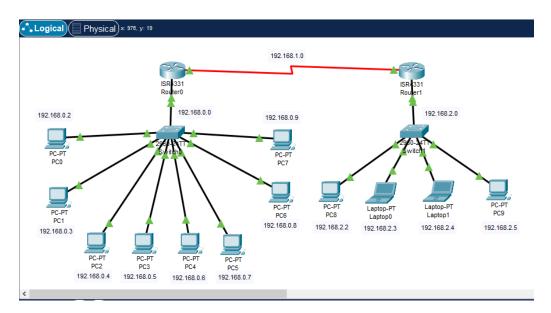
#### NAME:BOGGAVARAPU CH N V SHIVANI

## **REG NO:20BCE0563**

Implement Dynamic routing to connect 2 different networks

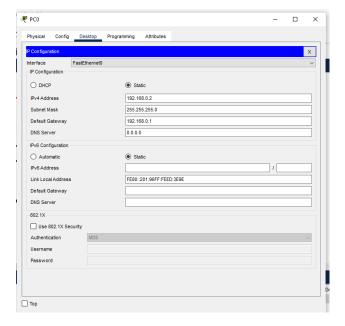
- Network1 with 8 Desktops
- · Network 2 with 2 Desktops and 2 Laptop

Step 1:Building of networks using switches, routers, wires desktops and laptops according to the requirement.

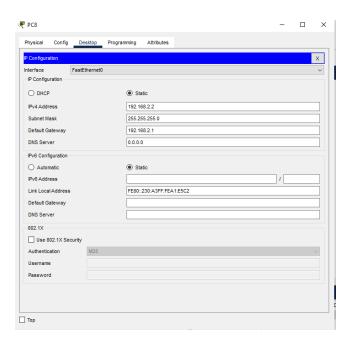


Step 2:
Configuring ip addresses for each desktop and add labels.

Network 1 system

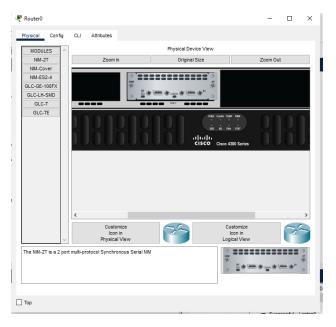


## Network 2 system:



Step 3:

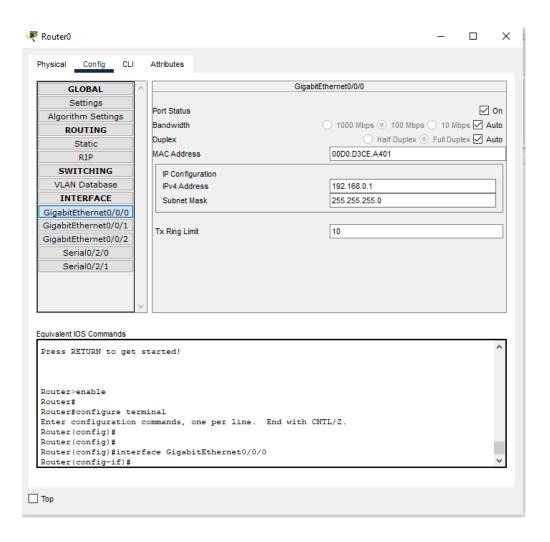
Add extra port for router 0 and 1. While adding extra ports we need to turn off the switch and turn in on after adding the port. Then connect them using the wires.

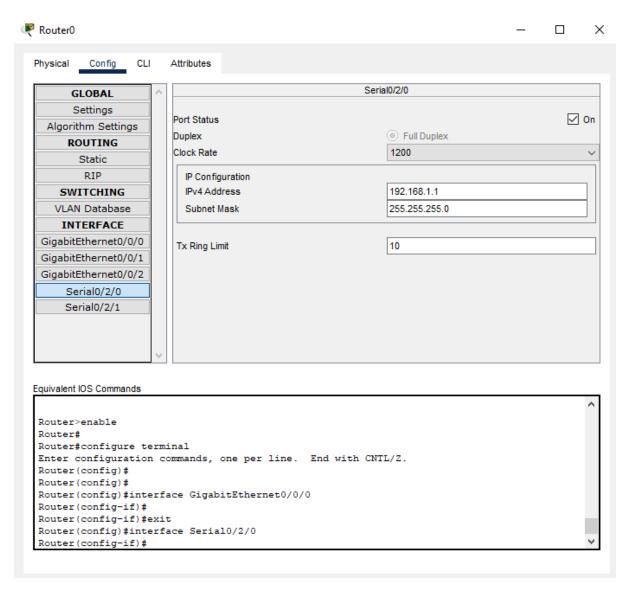


Step 4:

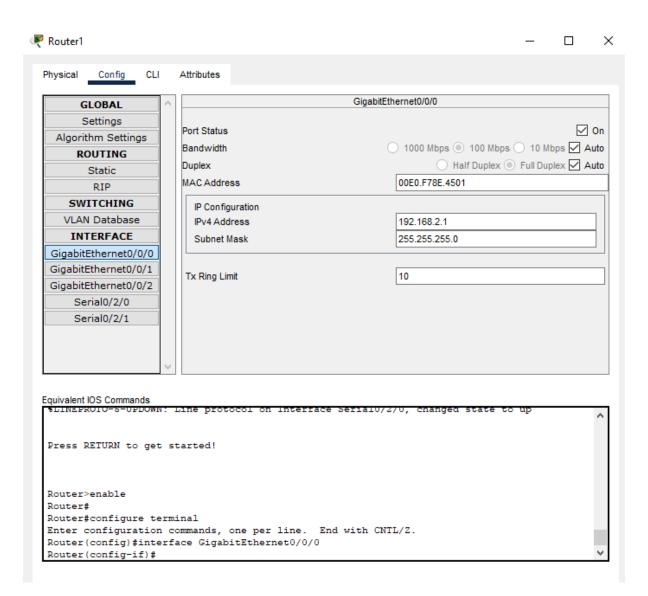
Then add ip addresses router ports accordingly.

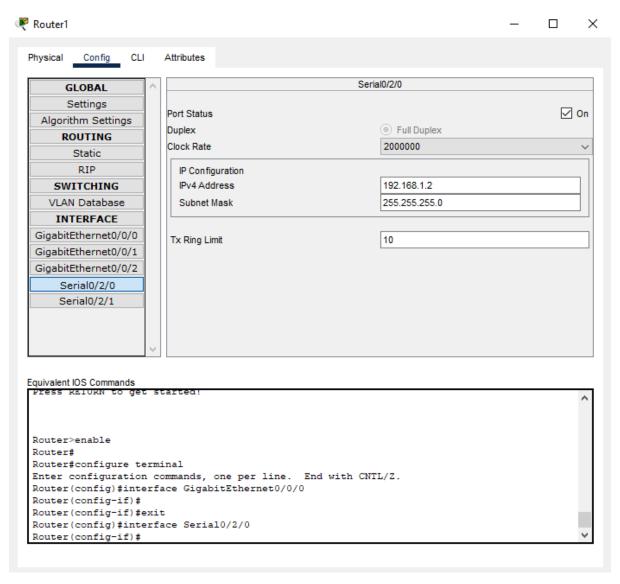
#### For router 0:





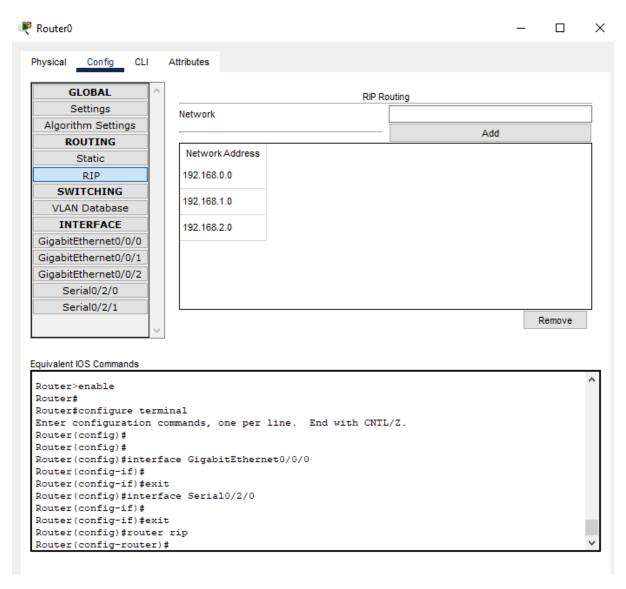
For router 1:



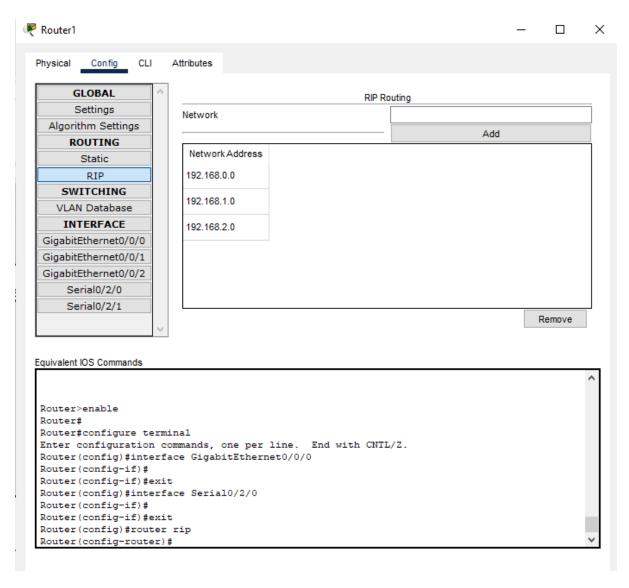


Step 5:Perform Dynamic routing for each router. In configuration of each router add the ip address of all networks.

Router 0:



Router 1:



Step 6:

Add packets and check stimulation . Sometimes at starting the trasmission shows failed but it gets successful after sometime or by doing it again as it takes some time for the stimulation of the network.

