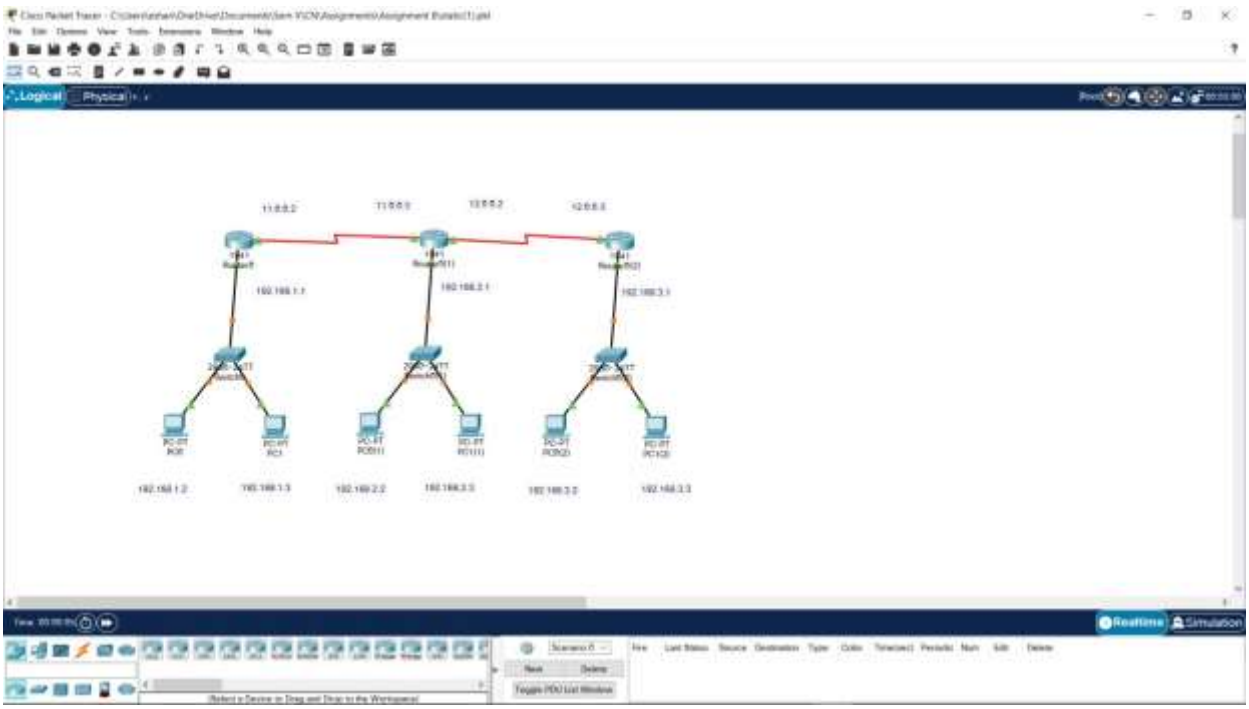
Assignment 8
Computer Networks

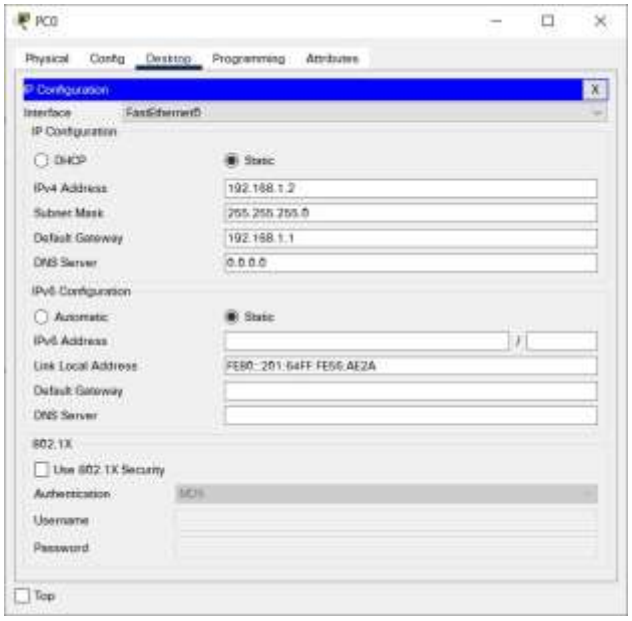
ADMISSION NO : U19CS082
NAME : SOURABH PATEL

Make topologies depicting static routing and dynamic routing. Write down all the steps along with screenshots.

Firstly, we are going to design the circuit.



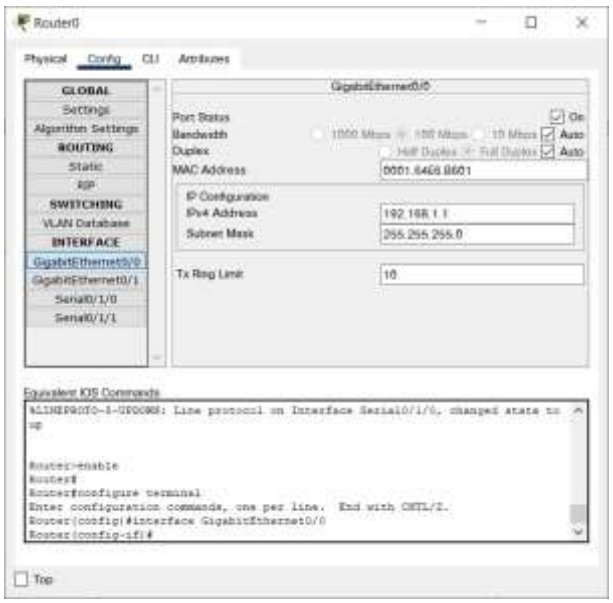
Now, we will set the IP address for every PCs.



Similarly, we will set the IP address of the remaining PCs.

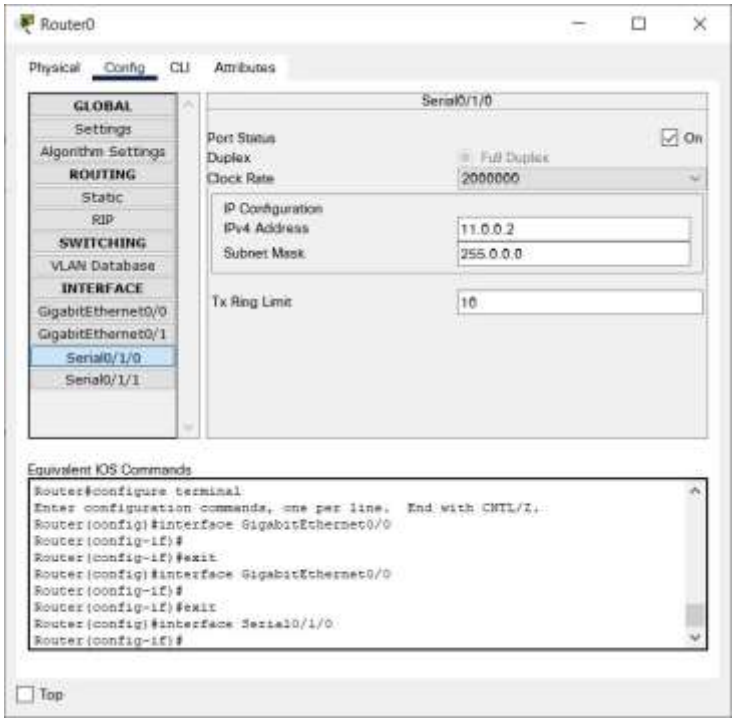
Now we will add the HWIC-2T 2-port serial high-speed WAN interface card.

Now we configure the gigabit ethernet, the ports of the router.

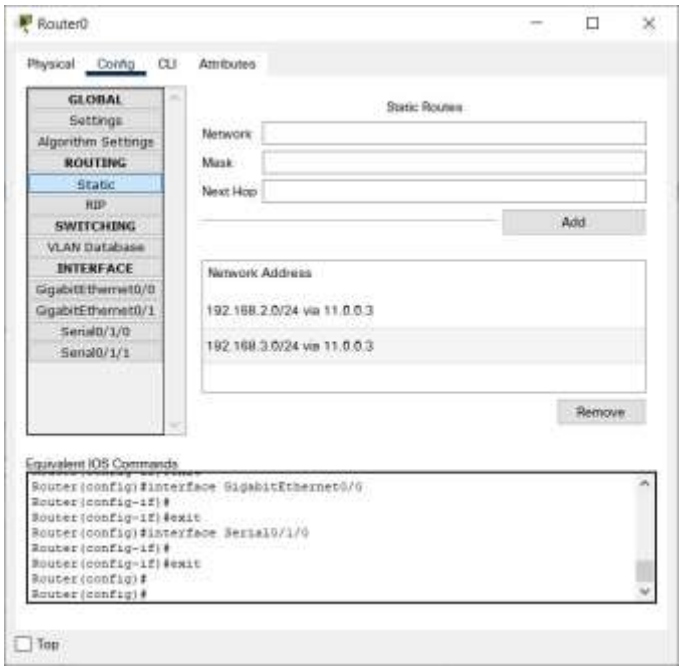


Similarly, we will configure router 4 and router 5.

We will add IPs Serial ports of router.



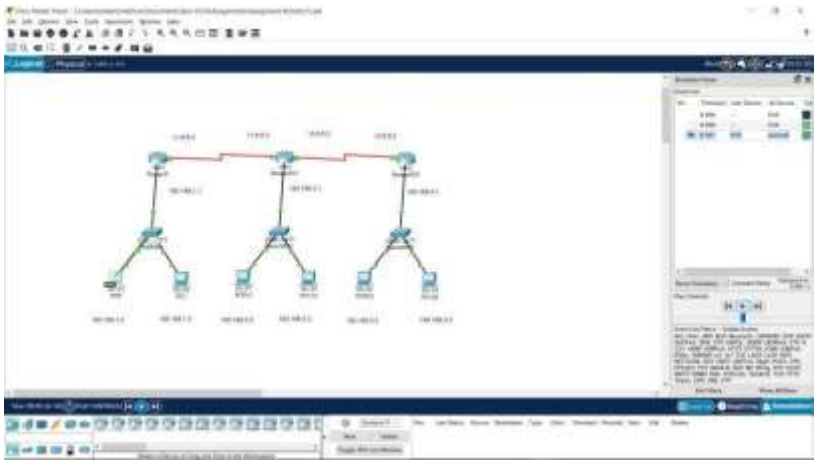
Now we will configure the connection between routers using serial ports in a static manner.



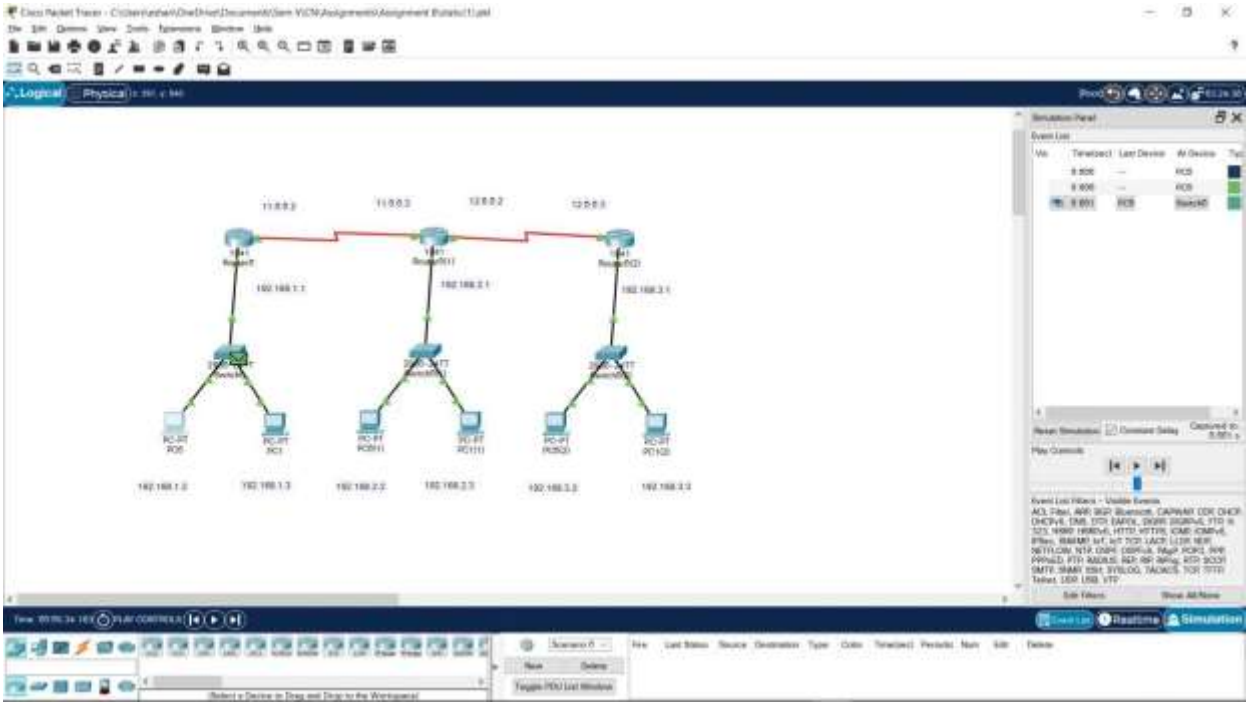
Now we will test the connection using a message.

Here we have made transfer of msg from PC0 (router 3) to PC2 (router 4).

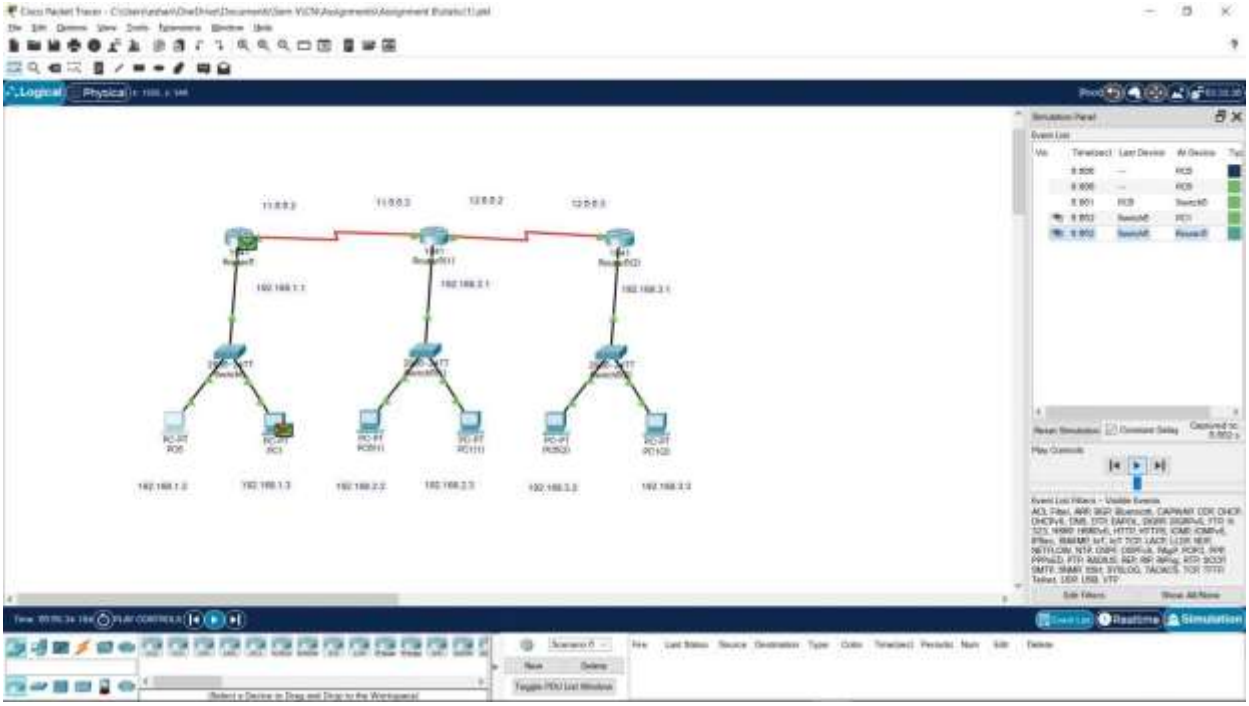
1. Initially message at PC0.



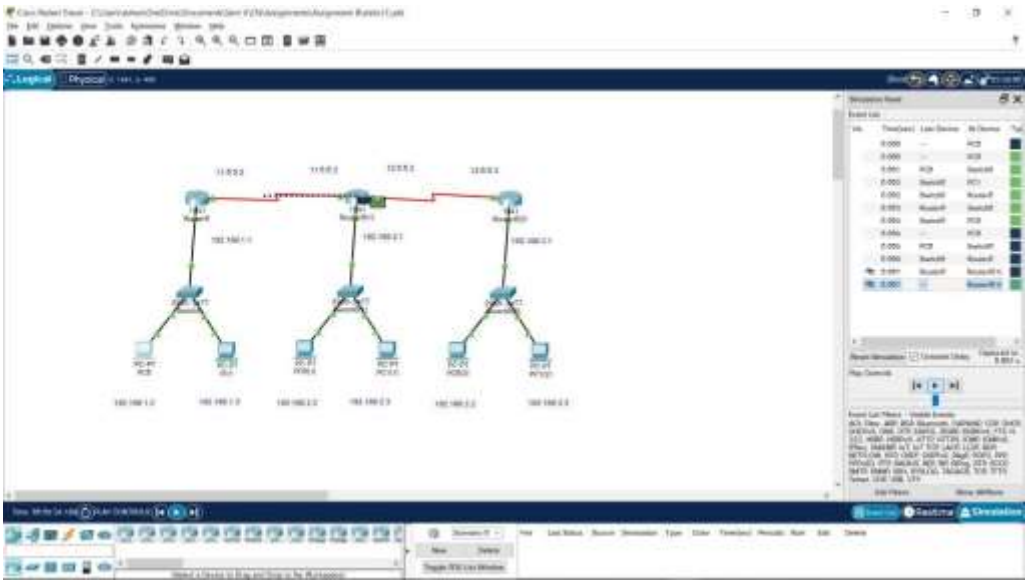
2. Message sent to switch.



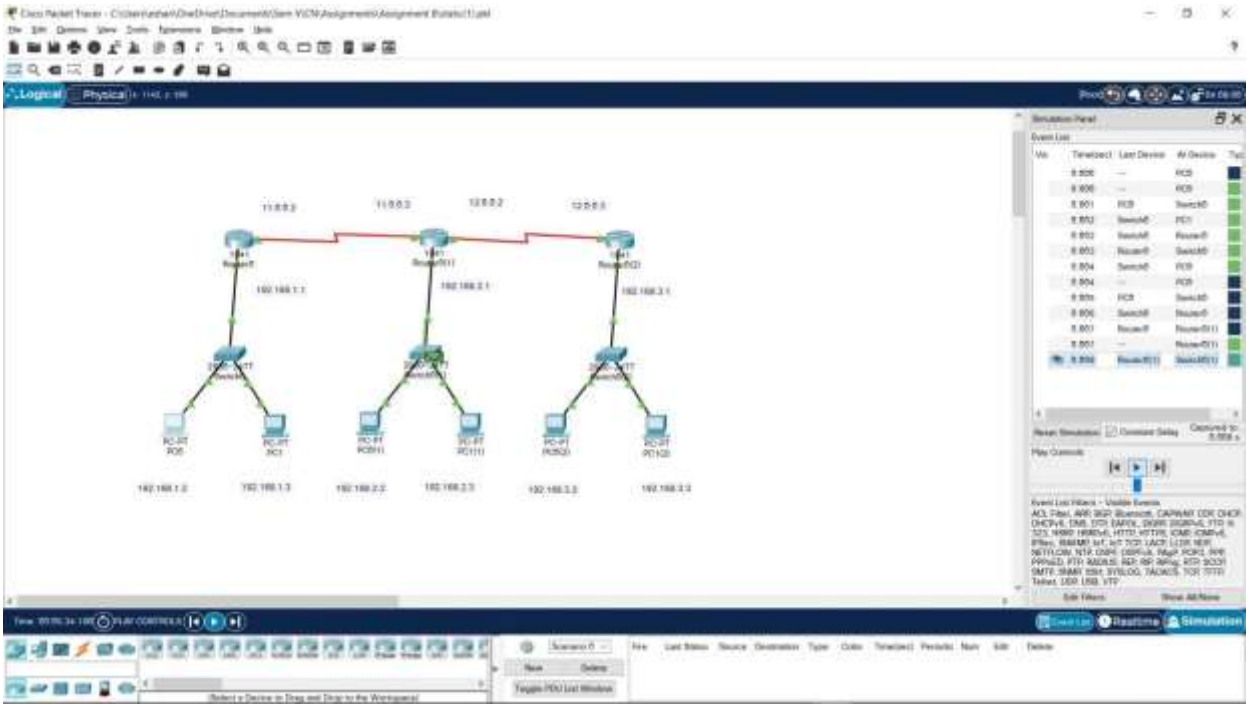
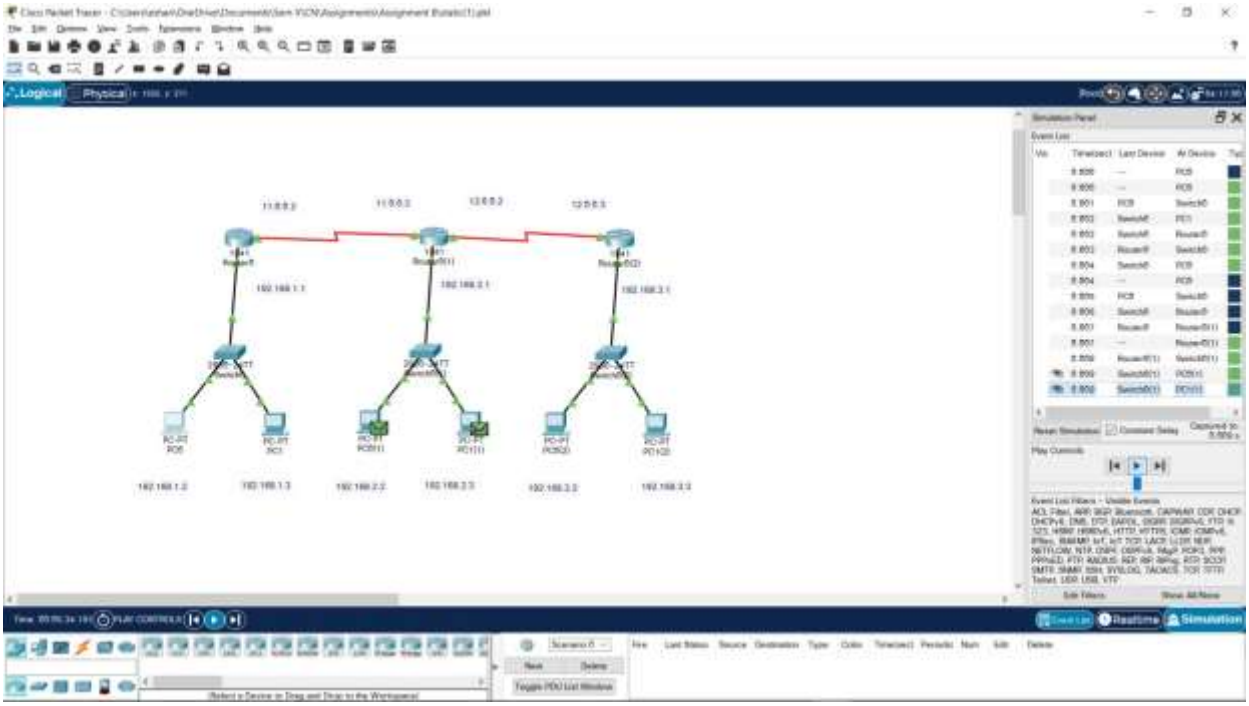
3. Message forwarded to router3.



4. Message forwarded to router 4.



5. The message then forwarded to switch 1.



6. The message then forwarded to destination pc PC2. And then message retraces the path to sender pc PC0.