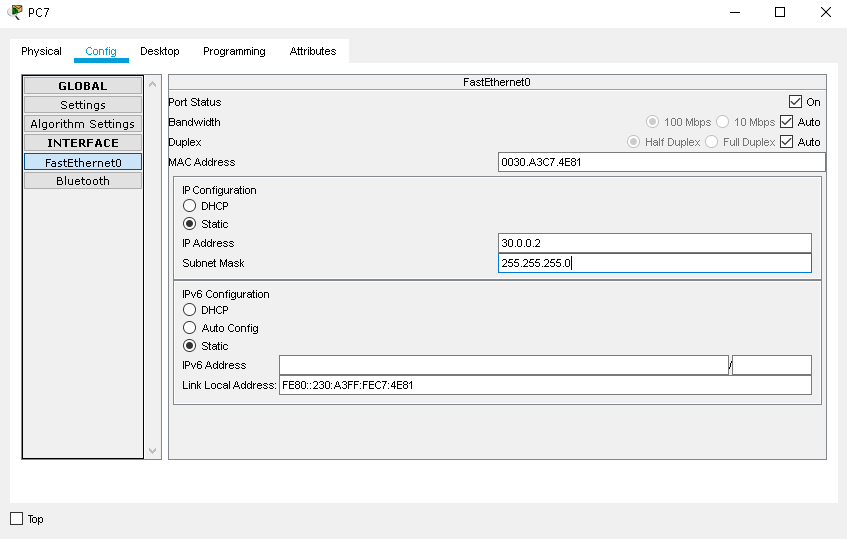
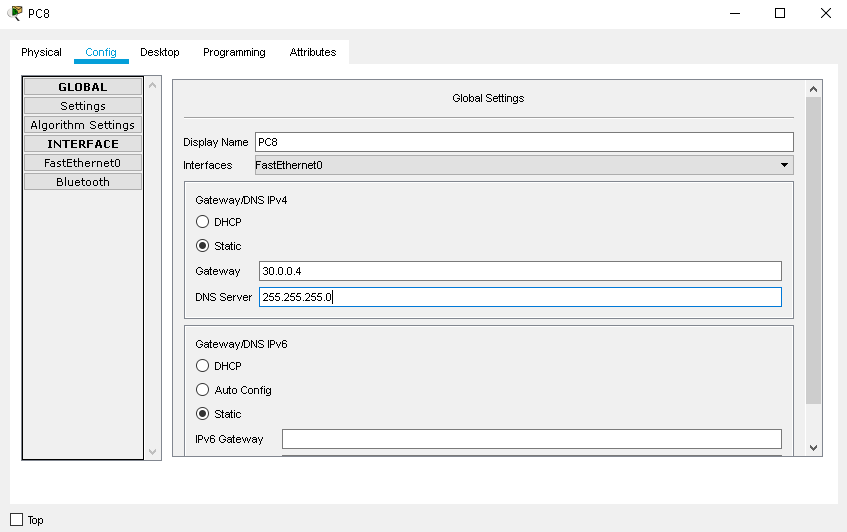
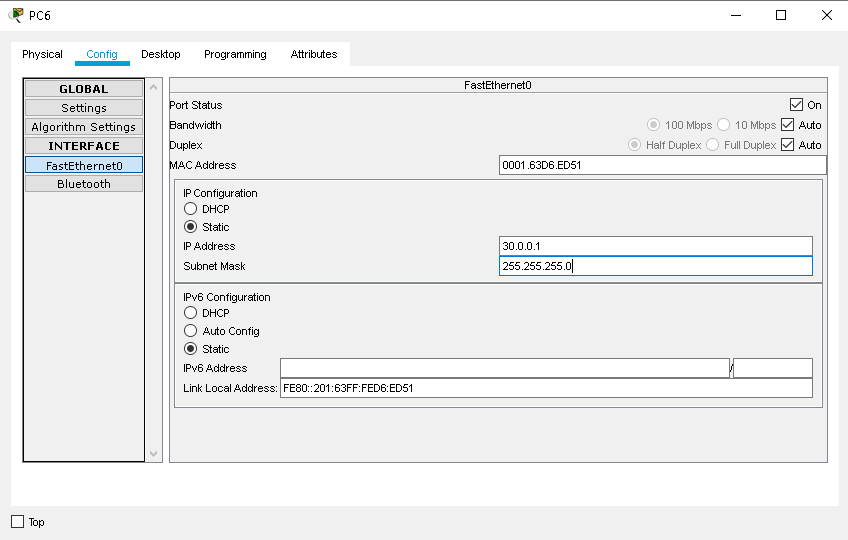
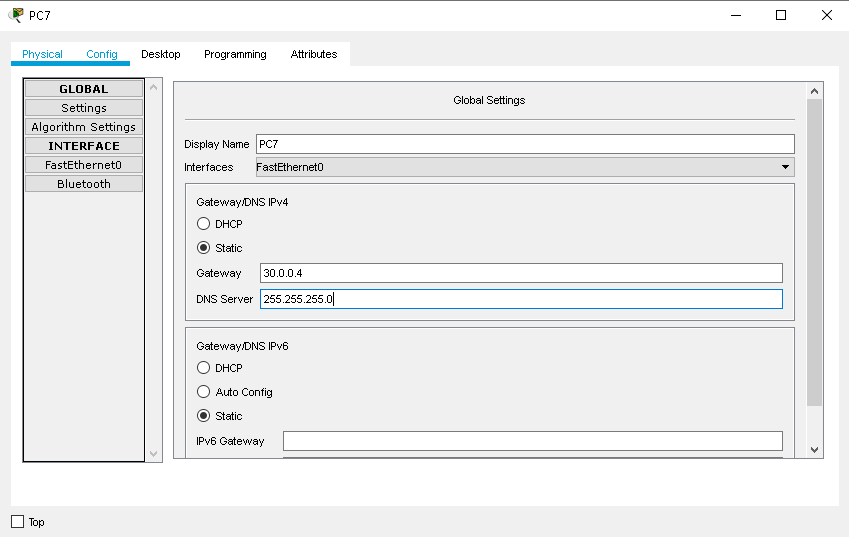
PRACTICAL 1

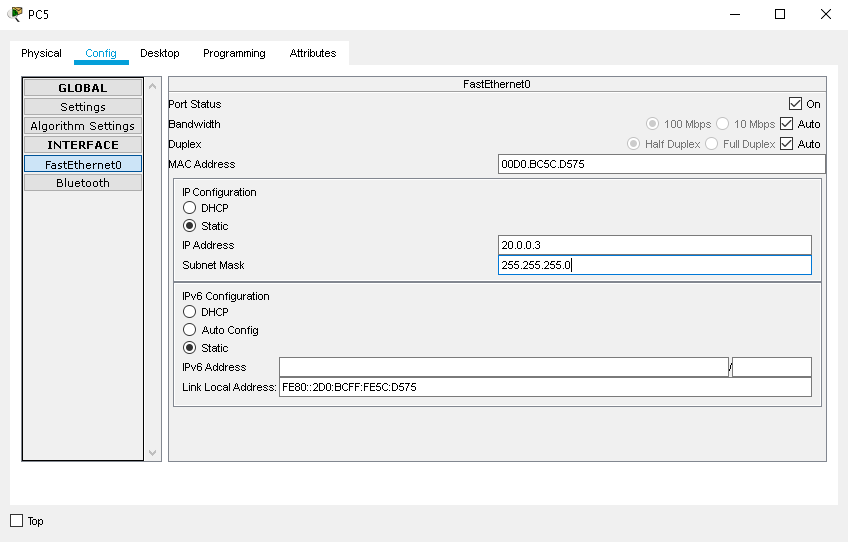
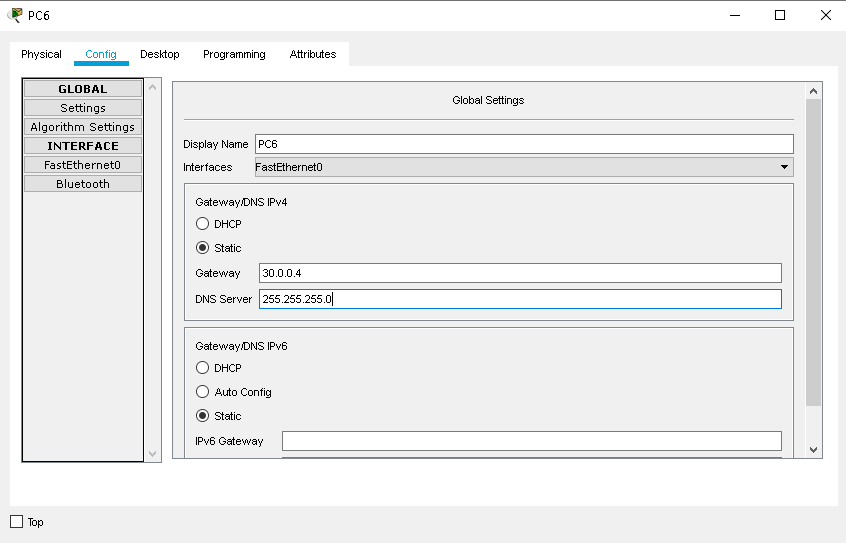
Aim - Create a network with three routers with RIPv2 and each router associated network will have minimum three PC. Show connectivity.

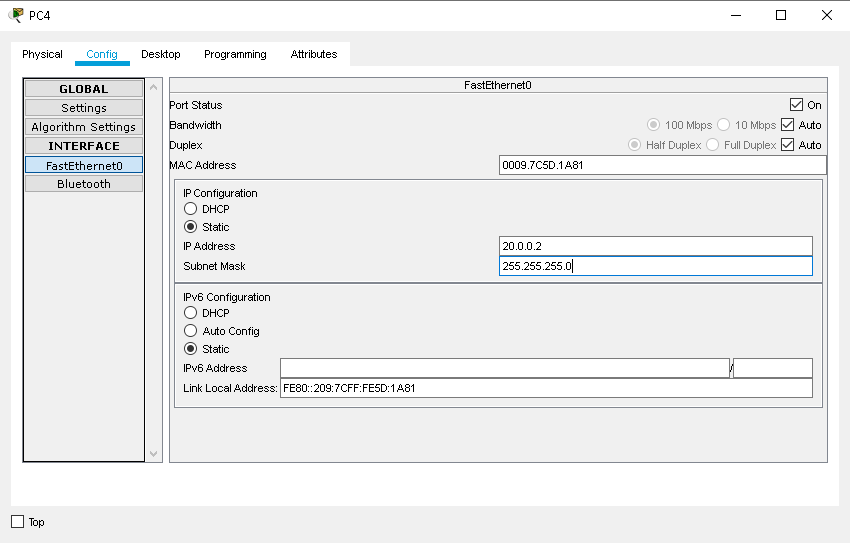
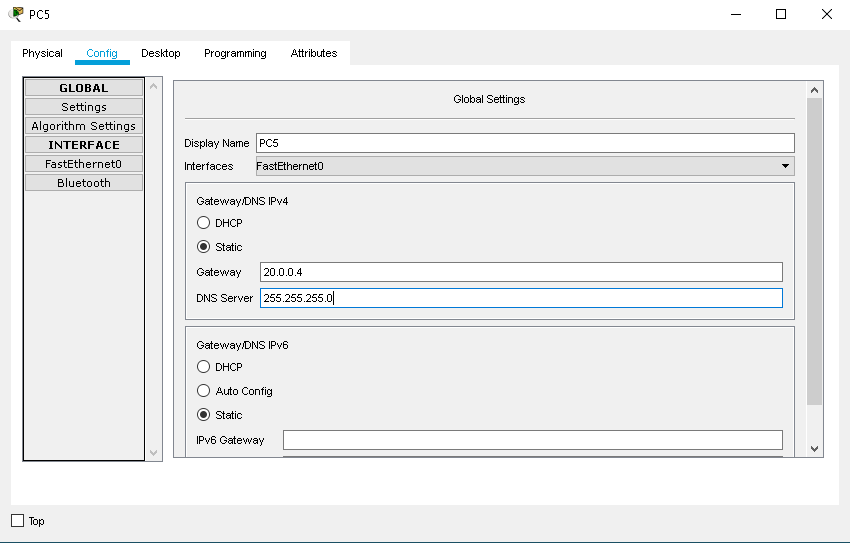
1. Align 9 end-devices as follows:

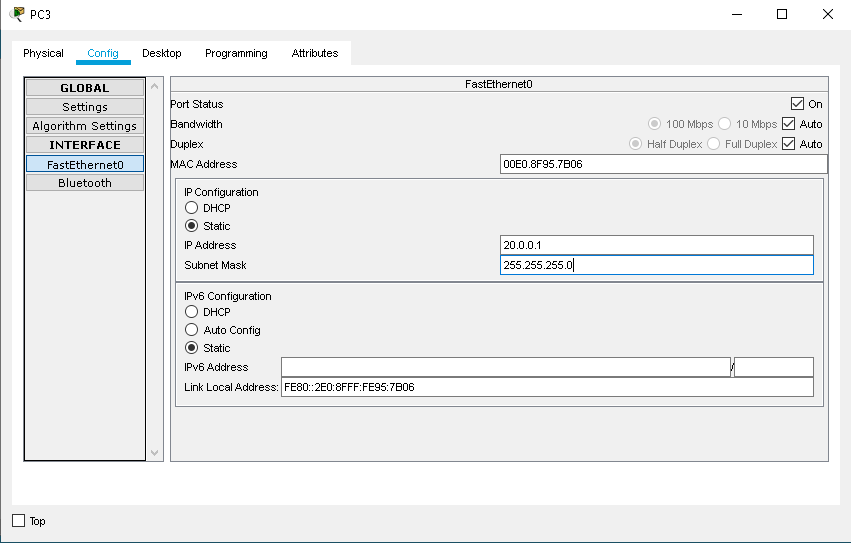
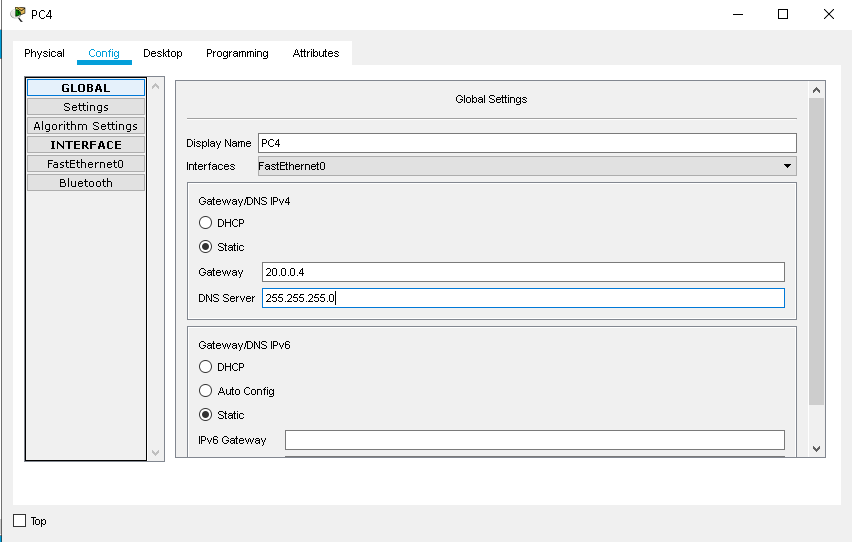


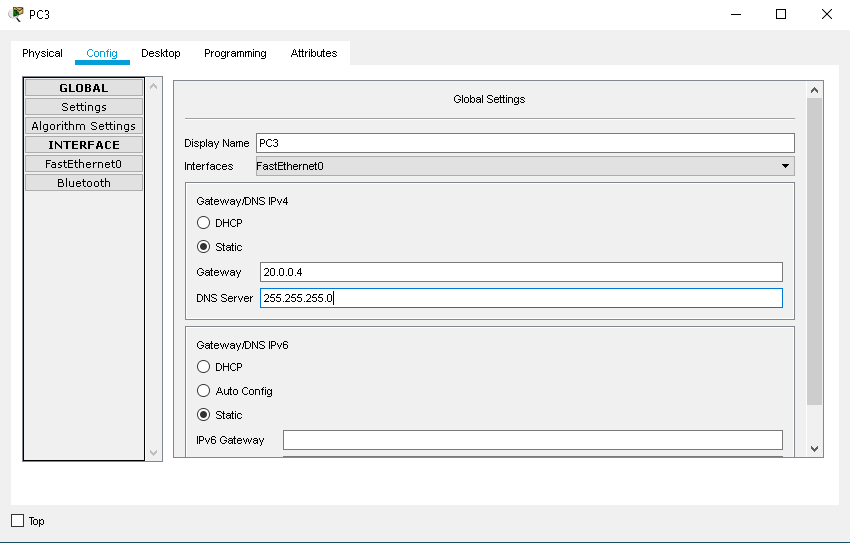
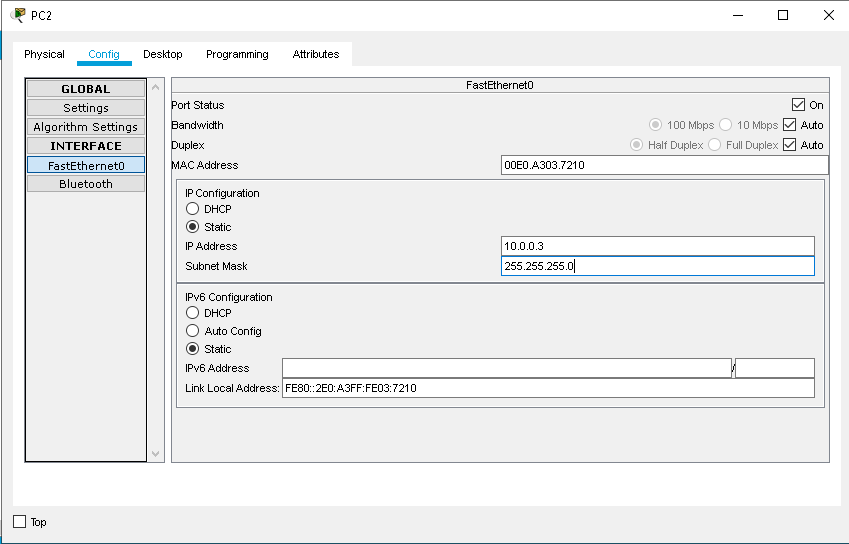
1. Set the DNS, Gateway and Fast Ethernet connections for all the PCs as follows: 

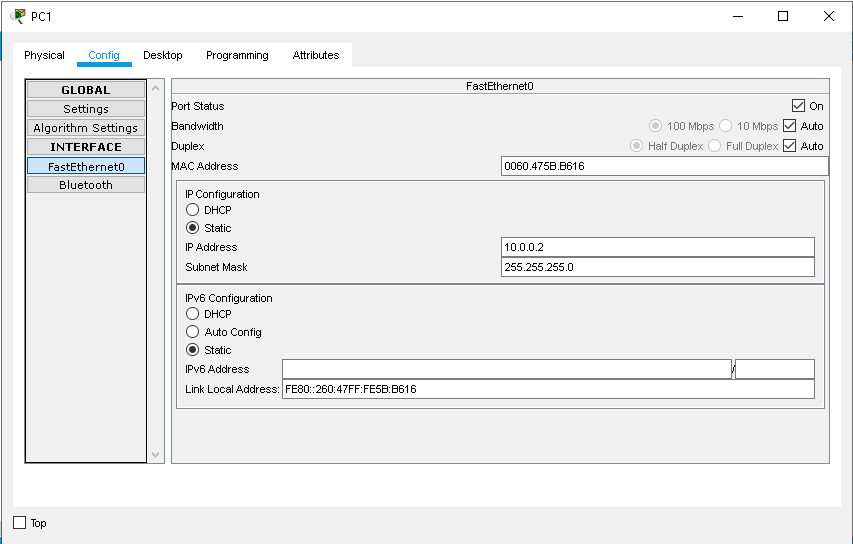
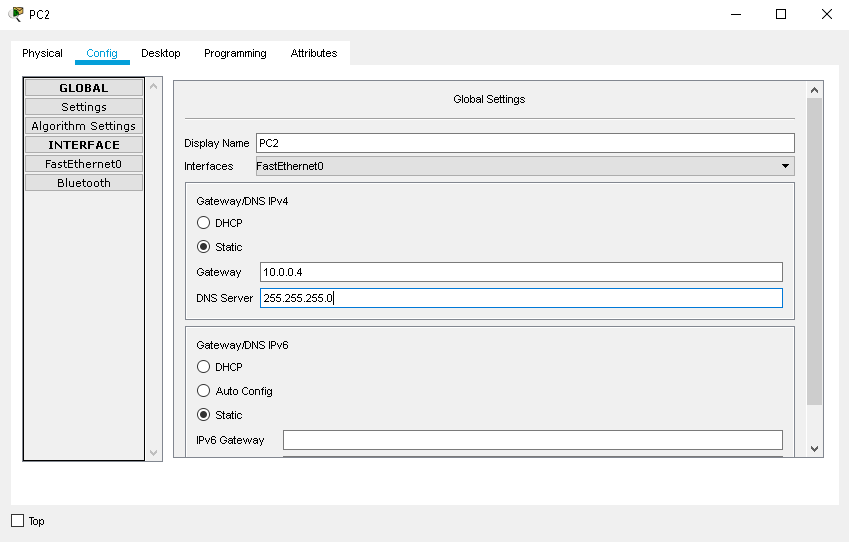


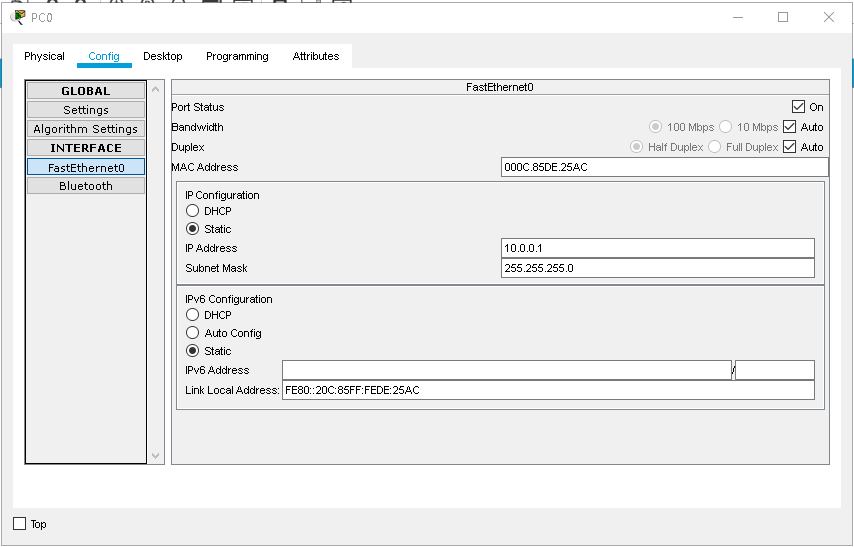
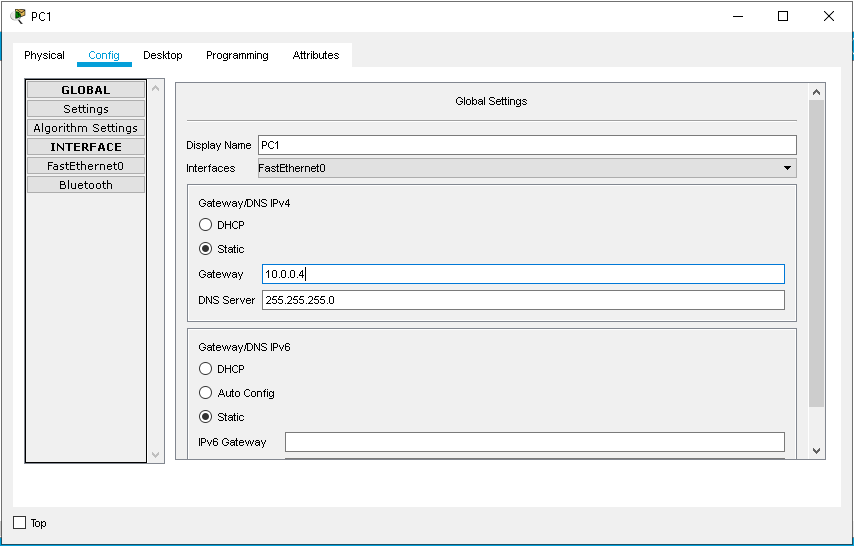


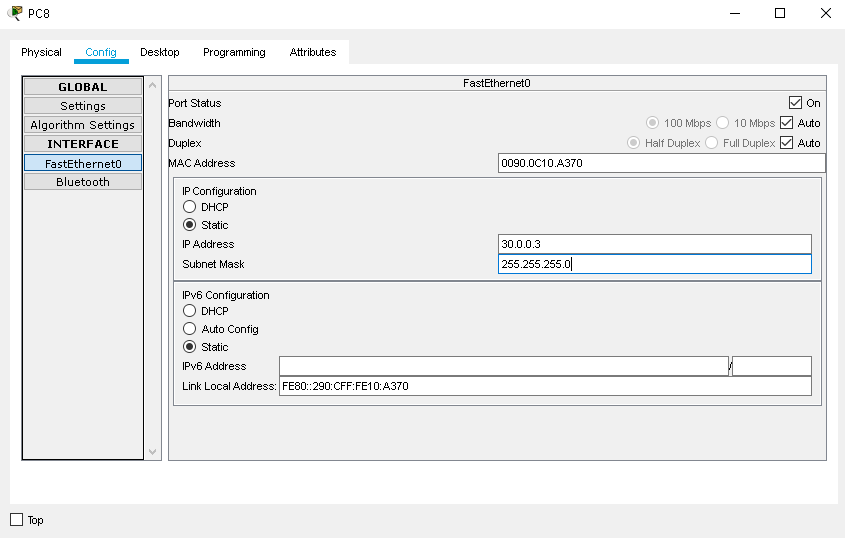
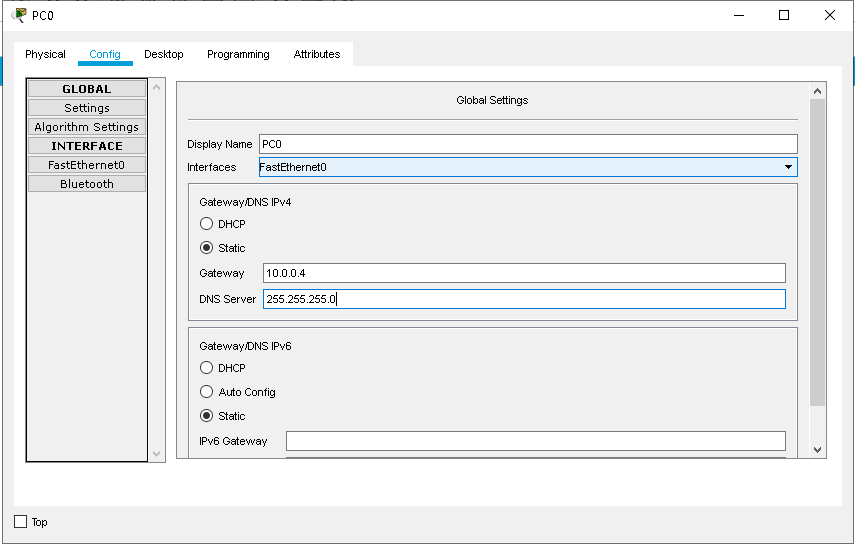


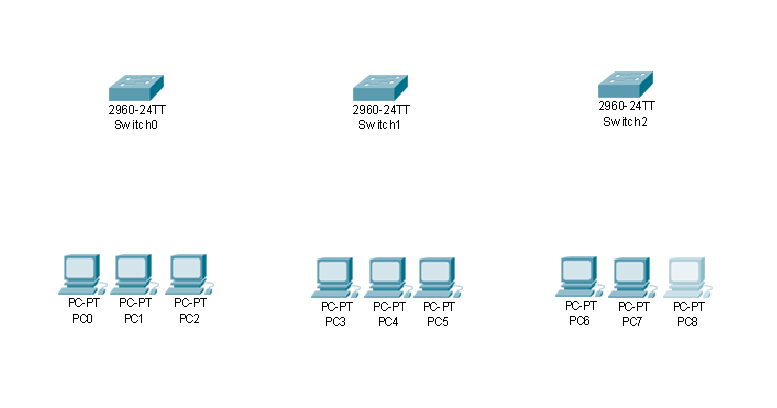


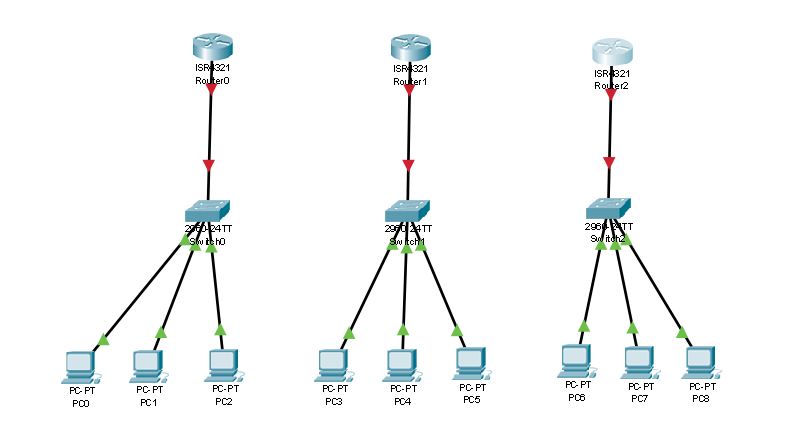




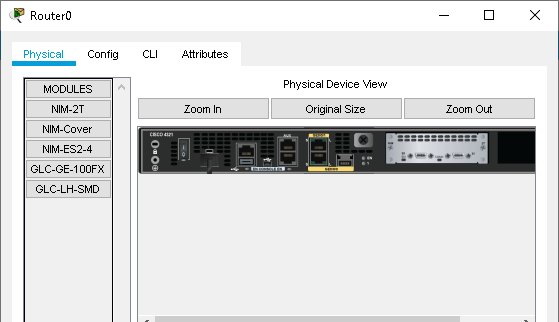




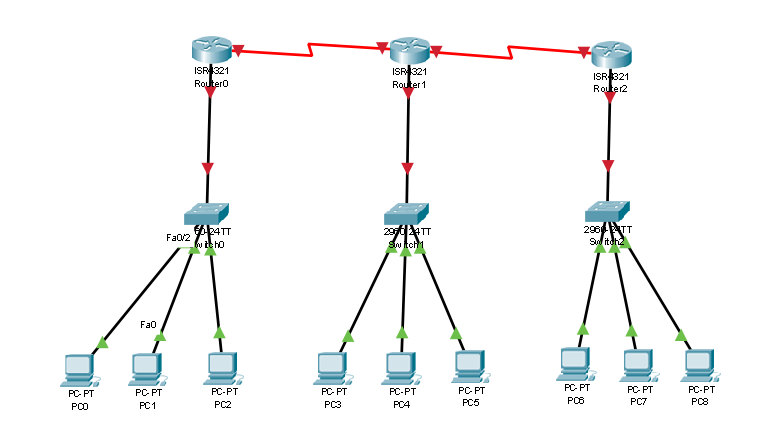
1. Add 3 Switches as follows:
2. Add 3 Routers and connect all the components using Fast Ethernet connection as follows:



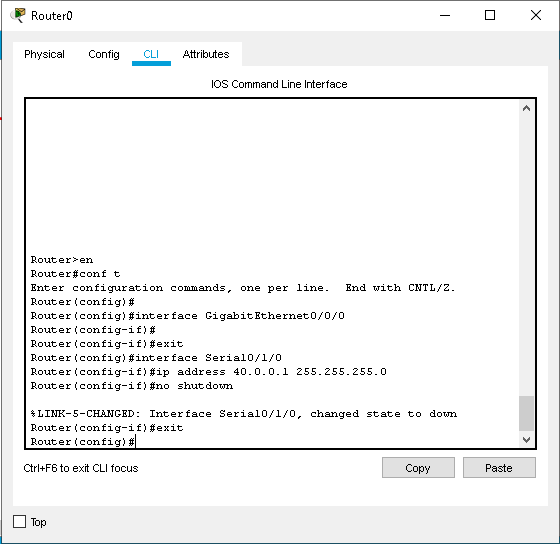
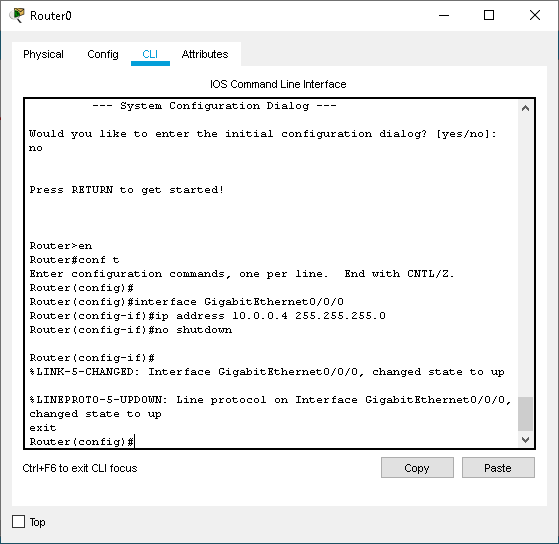
1. Power off each of the Routers and add the NIM-2T Module to all the Routers as follows:



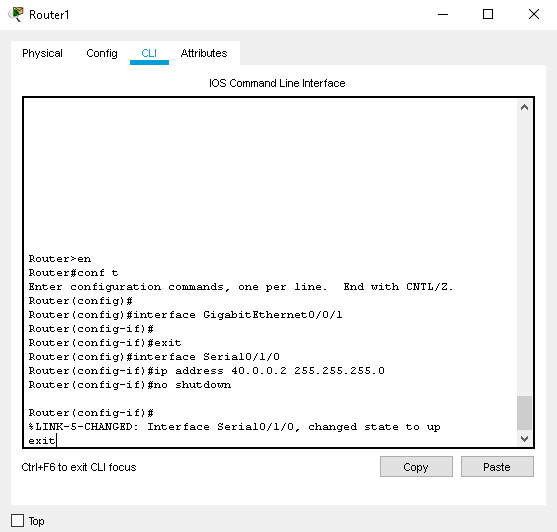
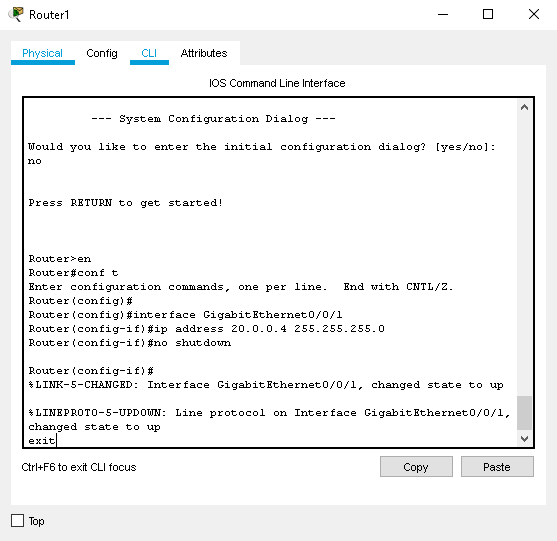
1. Connect the Routers using Serial DTE wires as shown:

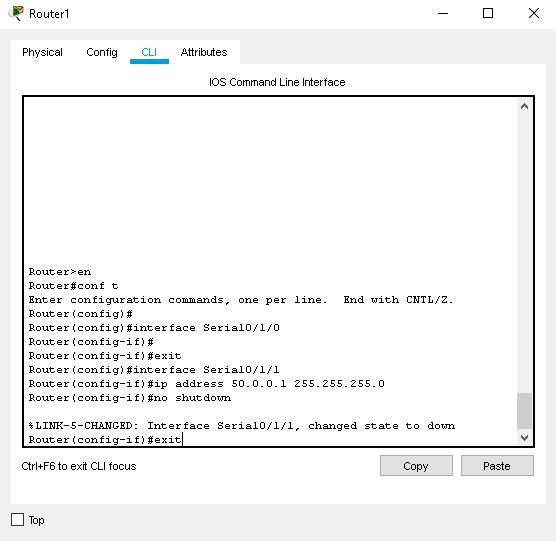


1. Configure Router 0 using the Command Line Interface as follows:

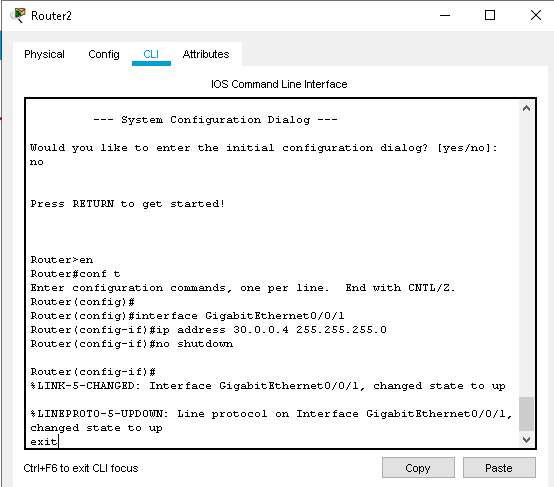
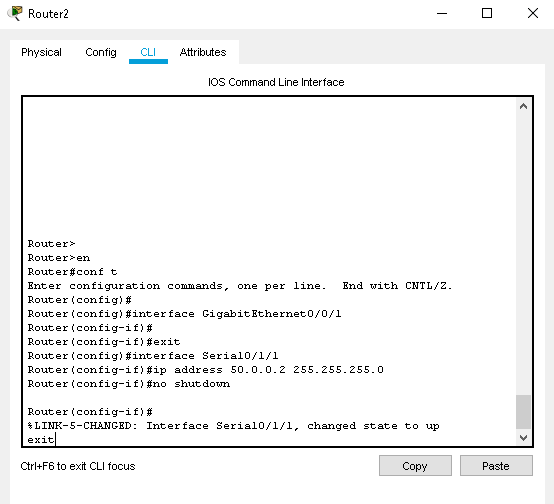


1. Configure Router 0 using the Command Line Interface as follows:

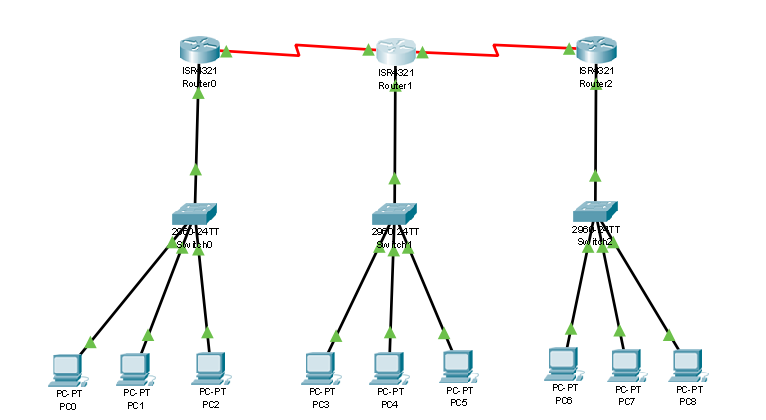




1. Configure Router 0 using the Command Line Interface as follows:



1. The Final connection will look as shown:



1. Note how intra-connection packet sending succeeds and inter-connection fails:

