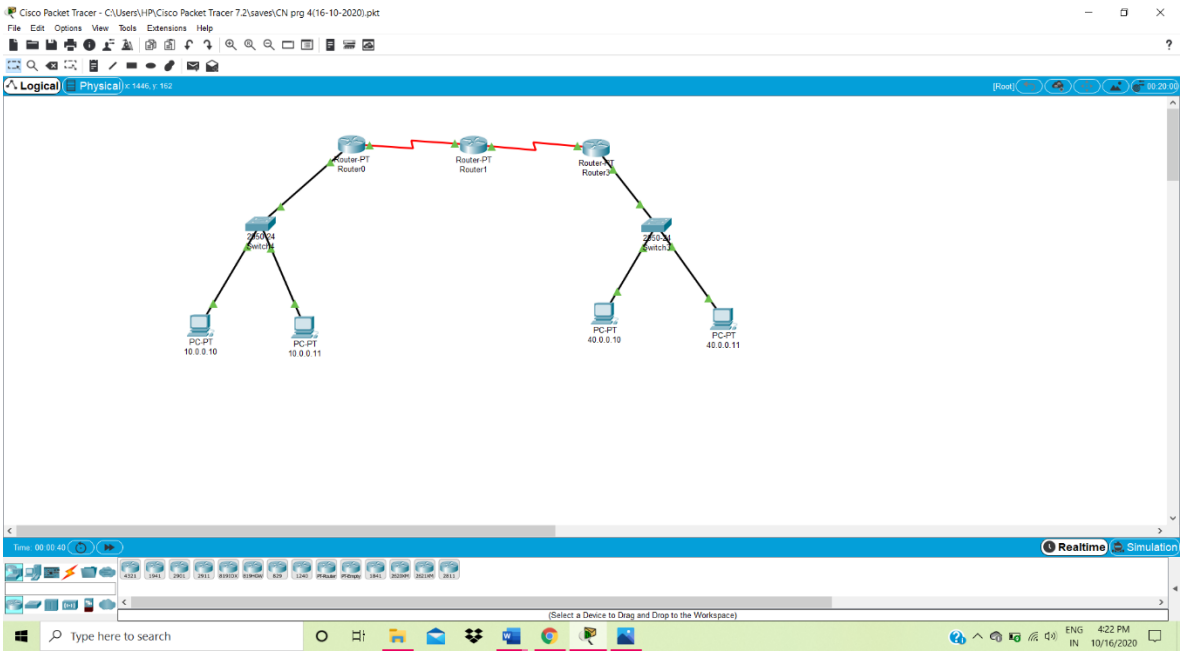
Lab Program 4:

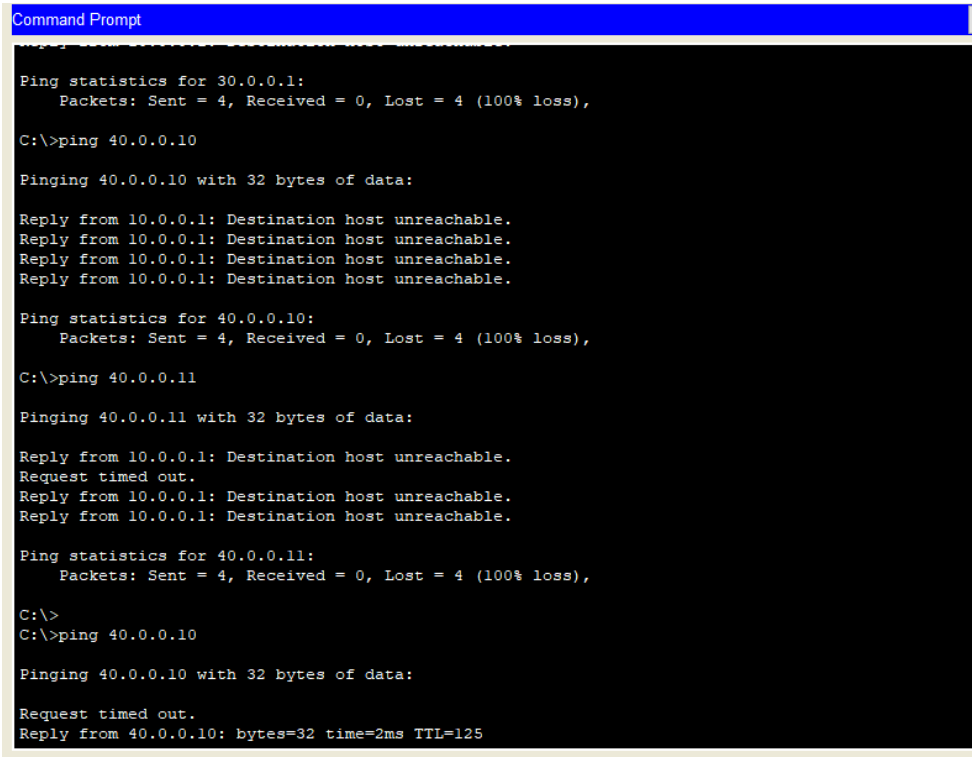
Configure the default router in the router.

Steps:

1) Construct topology
2) Give IP address to each of the PC's .
3) Configure the all routers to all interfaces.
4) Statically connect only Router2 to the interface 10.0.0.0 and 40.0.0.0
5) Set default route to the Router1 and Router 3 using the given format ip route 0.0.0.0 0.0.0.0 <next hop address> .



Before setting default route to the Router1 and Router3 if we try to ping, it will show as below as the router is not directly connected to the destination.



After setting the default route to the router, we will get the reply from the destination .
Ping message is normally used in order to know whether the pinged destination is currently active or not.