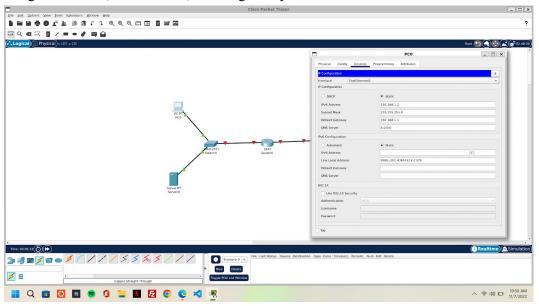
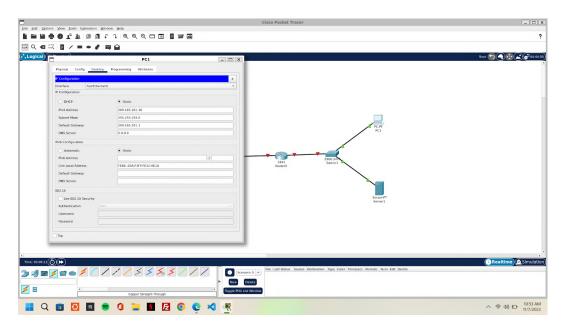
CS 342: Computer Networks Lab Assignment 5: Learn Cisco Packet Tracer to Configure Switch, Router, VLAN, and Inter VLAN Routing

Group-46 Somya Khandelwal (200123056) Soumya (200123057) Srinath V (200123058) Srishti Kumari (200123059)

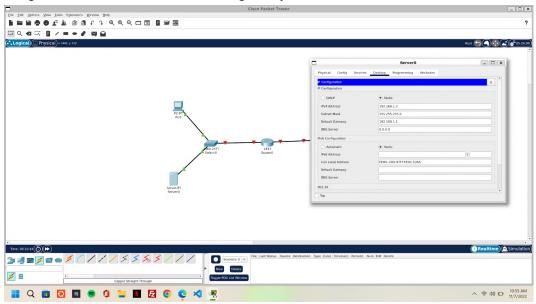
Α.

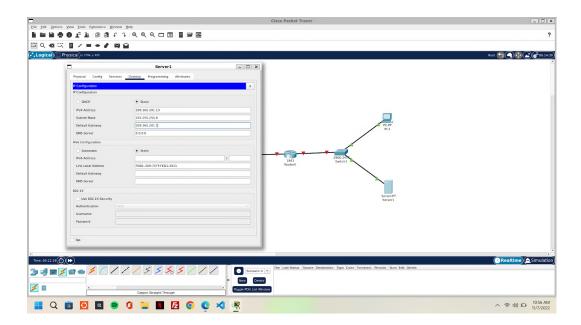
Assign IP address, subnet mask, default gateway to the PC



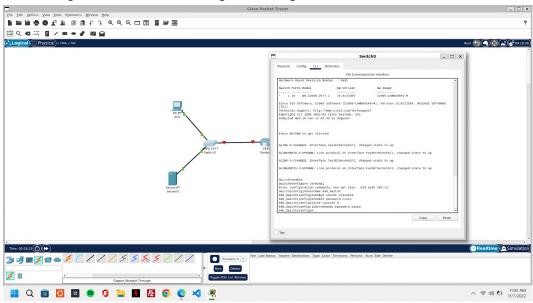


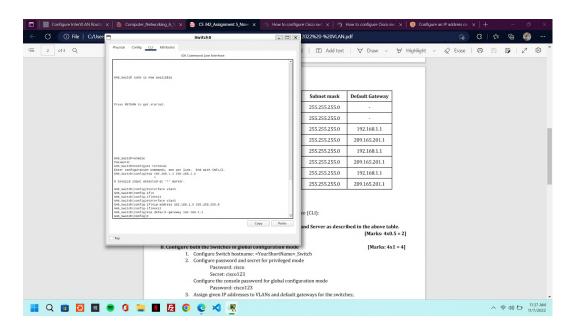
Assign IP address, subnet mask, default gateway to the Server

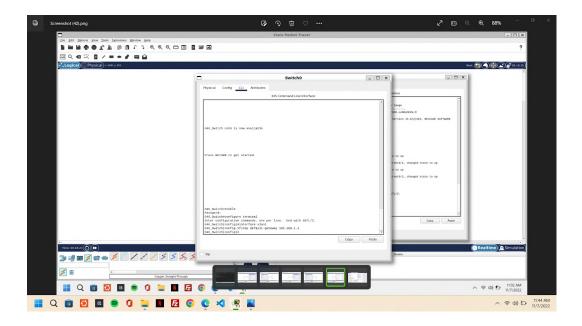




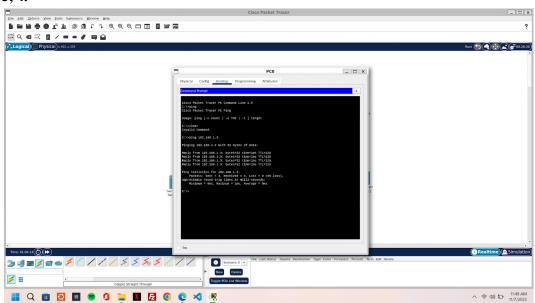
1, 2. Configure both the Switch 0 in global configuration mode



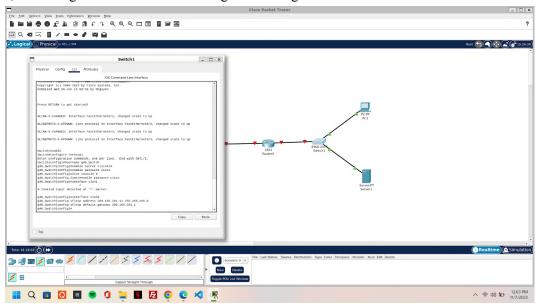




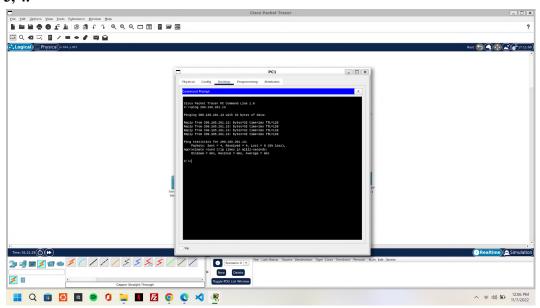
3, 4.



1, 2. Configure both the Switch 1 in global configuration mode

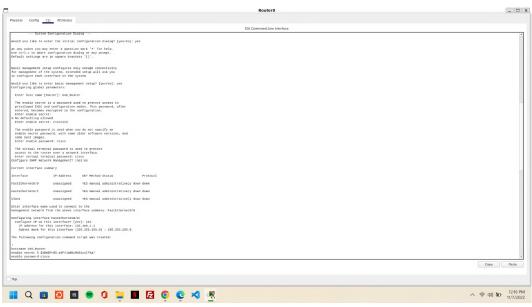


3, 4.

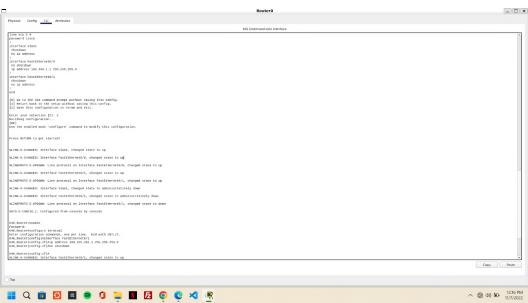


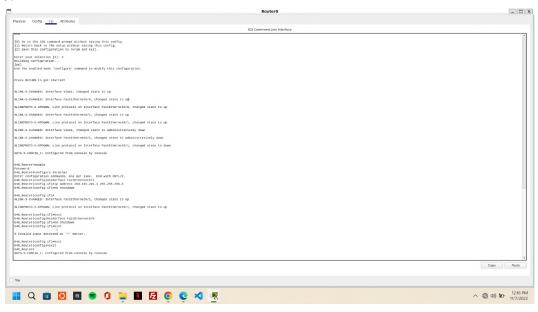
C. Configure Router in global configuration mode

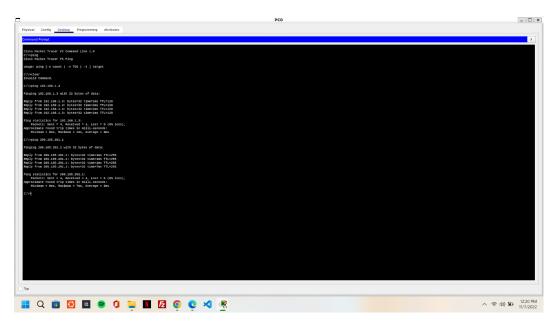
1.



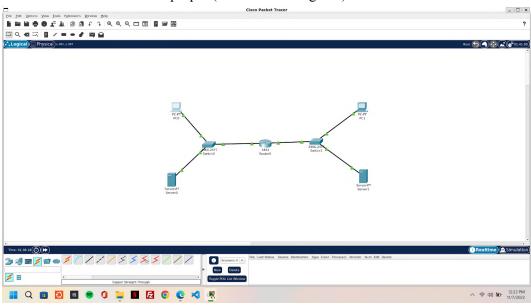
2.





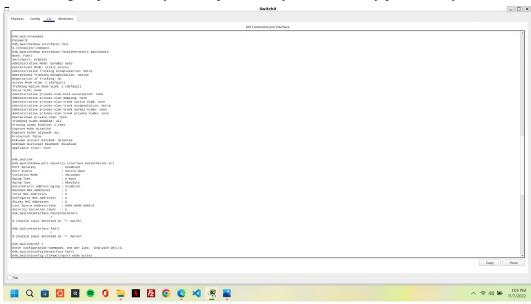


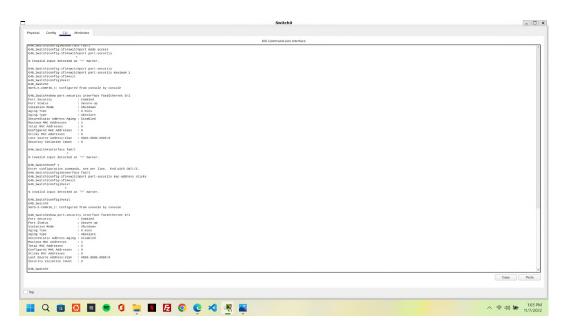
Inter VLAN communication proper (all connections green)



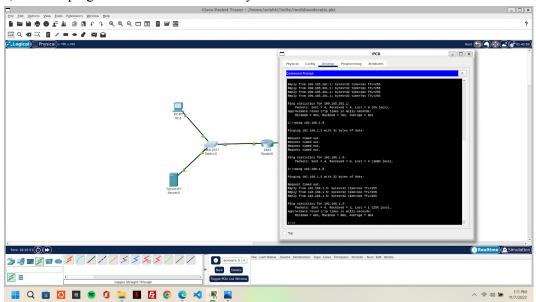
D.

1, 2. Configure port security for the port used by PC0 and verify port security enabled for fa0/1

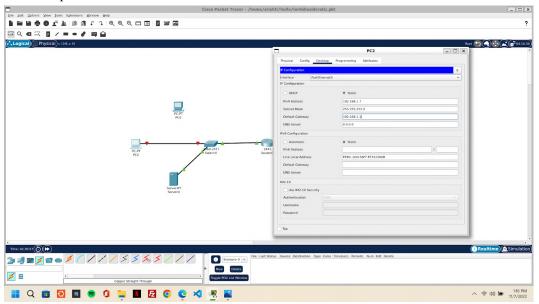




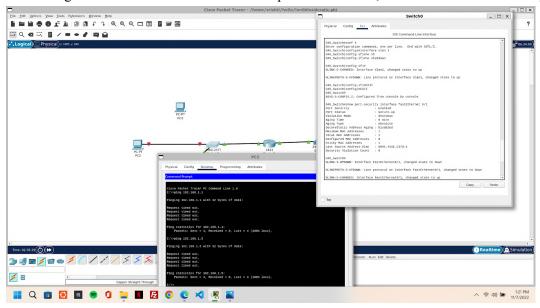
3, 4. Send ping PC0 to Switch0 and verify

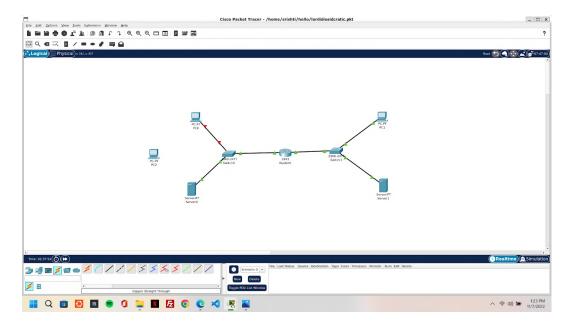


5. Remove connection fa0/1 between Switch0 and PC0 using GUI and connect PC2 to port fa0/1 to cause the port to shut down

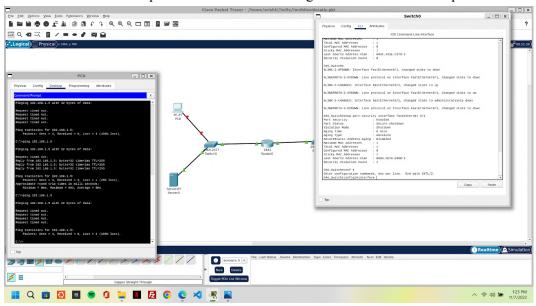


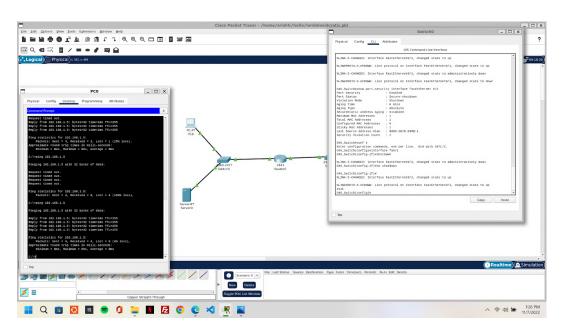
6. Viewing the fa0/1 interface shows that line protocol is down, which indicates the security violation



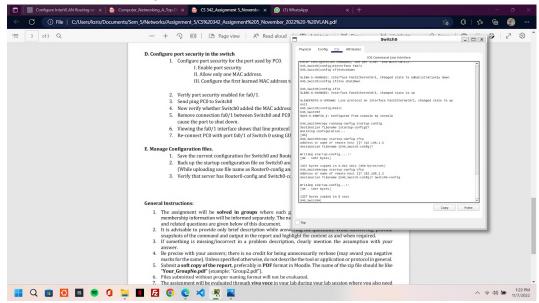


7. Re-connect PC0 with port fa0/1 of Switch 0 using GUI and re-enable the port

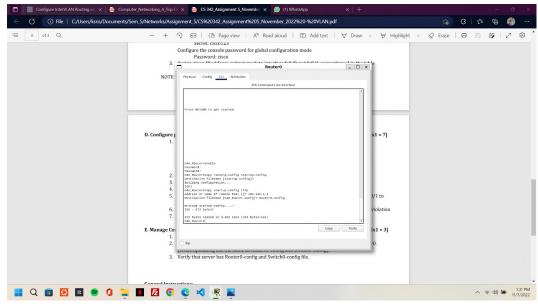




1. Save the current configuration for Switch0 and Router0 to NVRAM



2. Back up the startup configuration file on Switch0 and Router0 by uploading them to Server0



3. Verify that server has Router0-config and Switch0-config file

