Ahsan Ali

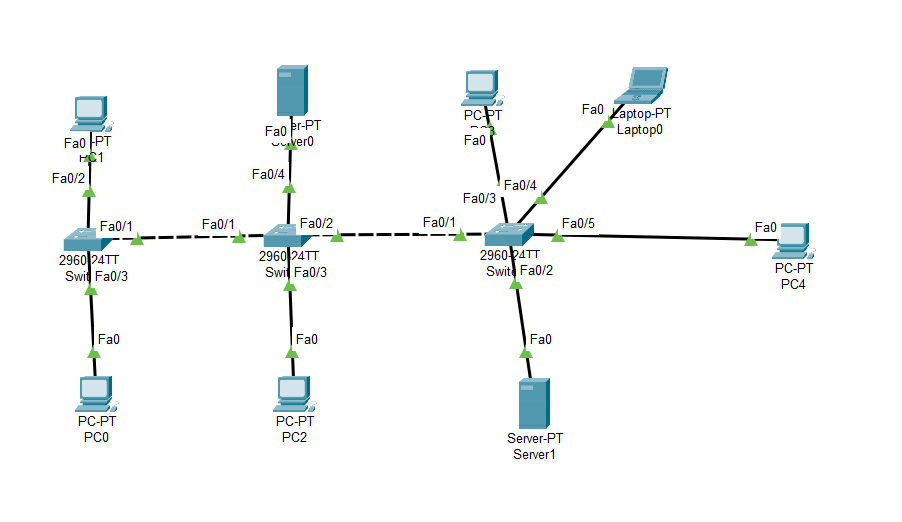
CN Lab 6

22K4036

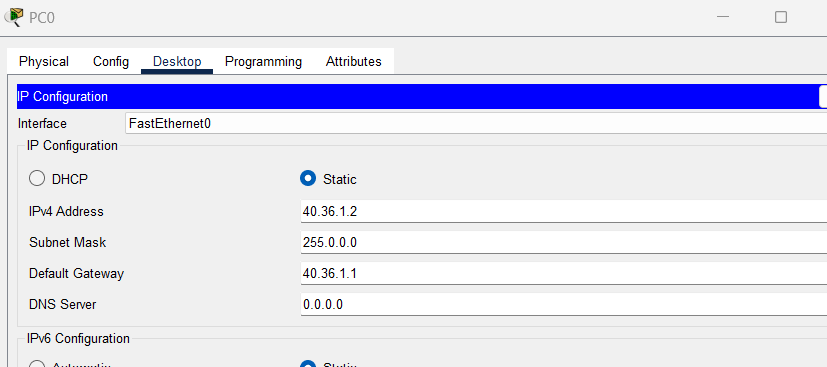
BAI-6A

Question 1:

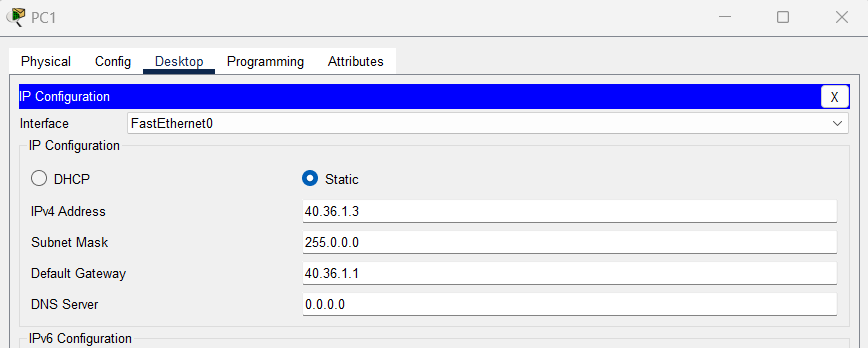
Overview:



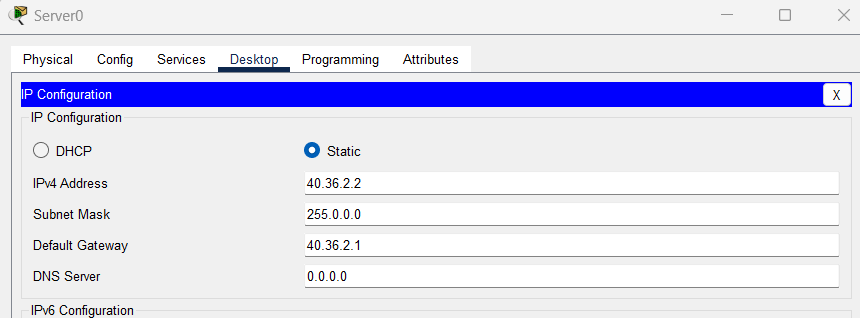
PC0 Configuration:



PC1 Configuration:



Mail Server Configuration:



PC2 Configuration:

IP : 40.36.2.3

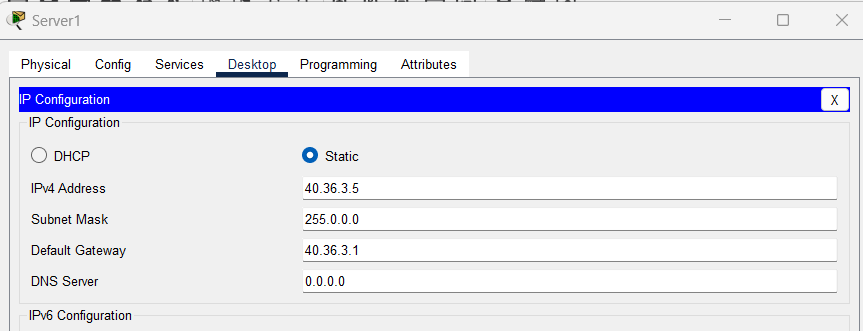
Laptop0 Configuration:

IP: 40.36.3.3

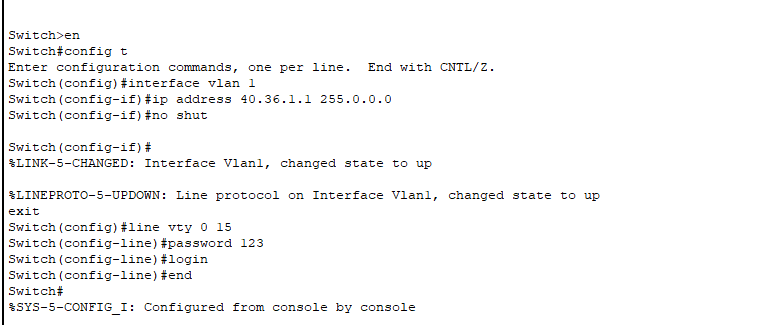
PC4 Configuration:

IP: 40.36.3.4

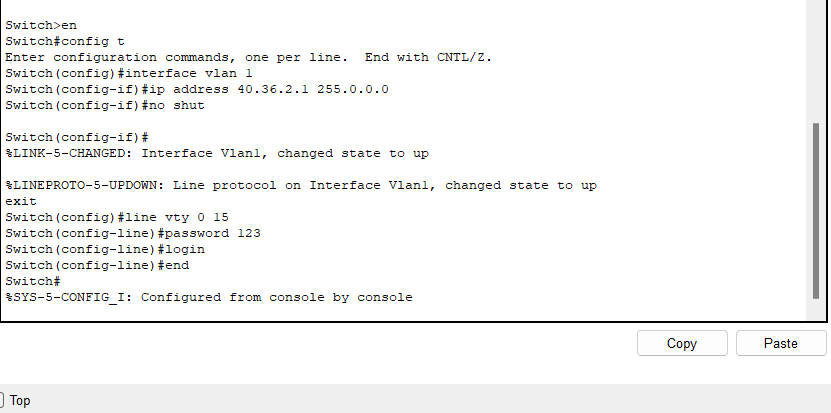
DNS + FTP Configuration:



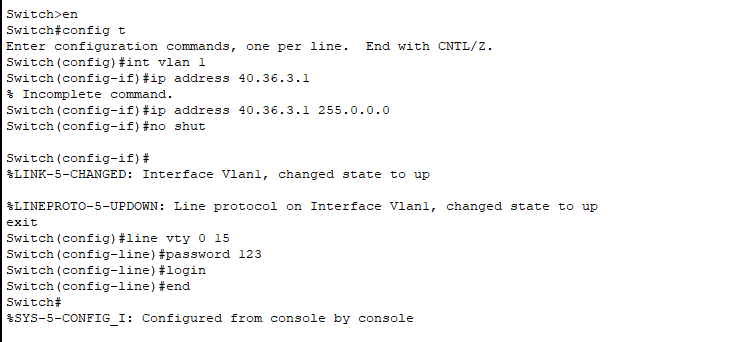
Switch 0 Command Line:



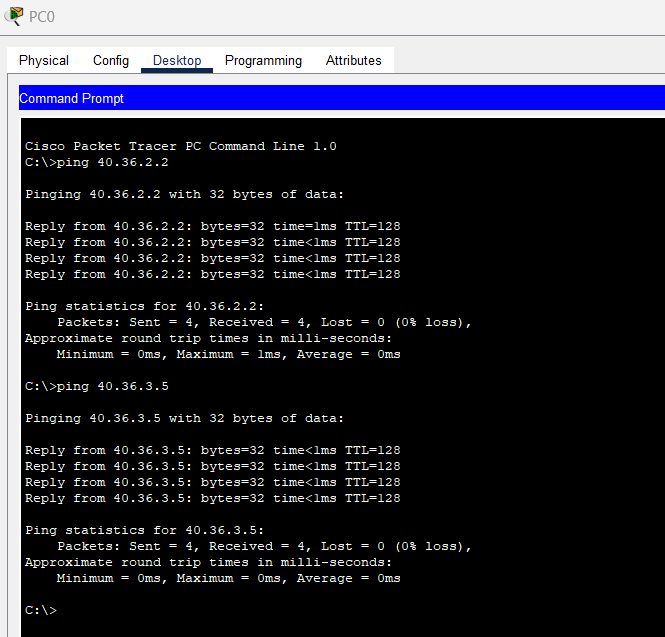
Switch 1 Command Line:



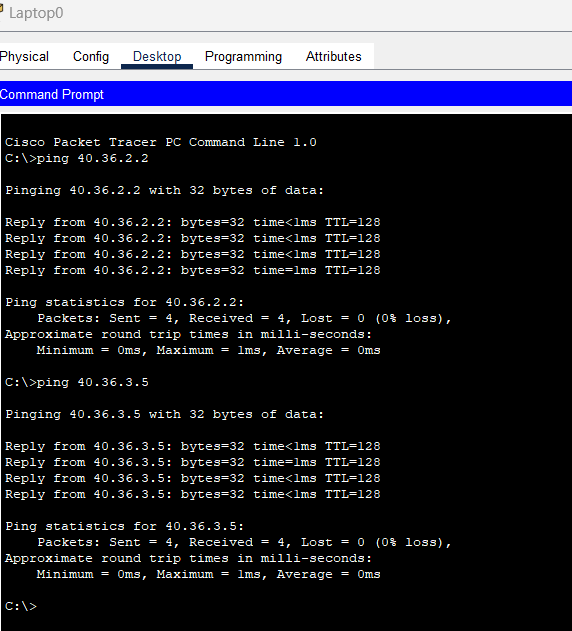
Switch 2 Command Line:



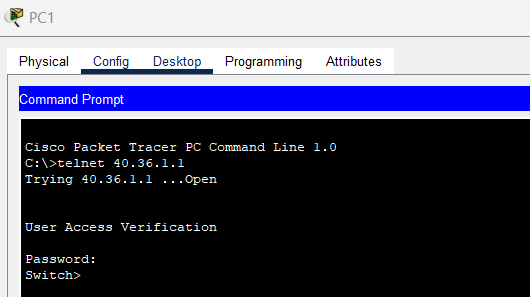
Both Servers pinged from PC0



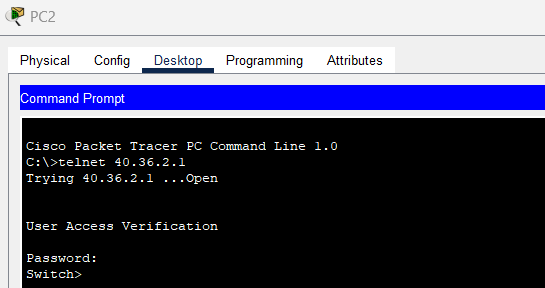
Pinging from laptop 0:



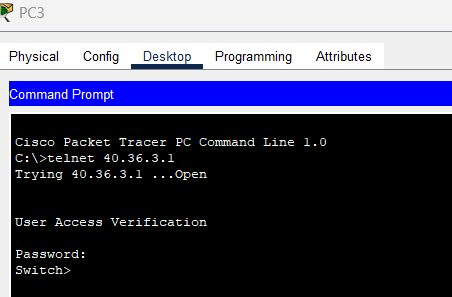
Telnet Access of switch 0 with PC1



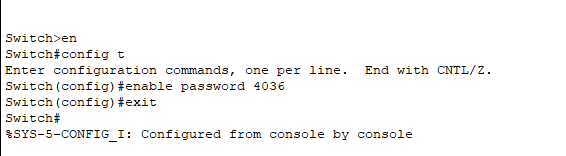
Telnet Access of switch 1 with PC2:



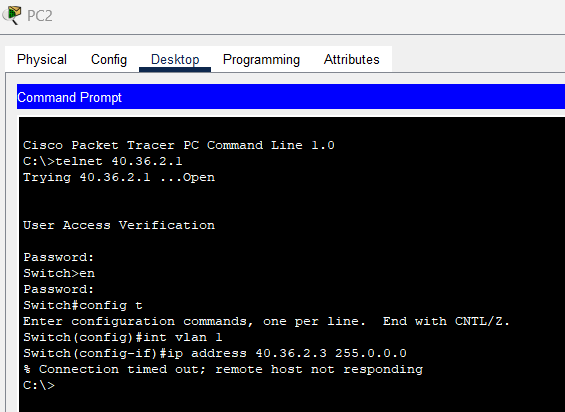
Telnet Access of switch 2 with PC3:



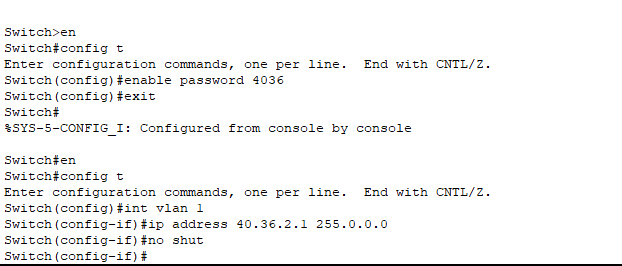
Enabling Password:



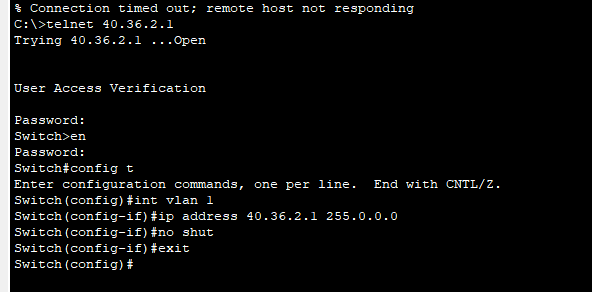
Changing IP from command prompt of PC2, Connection timed out because the switch’s IP changes, and the session is lost:



Changing IP back to original:

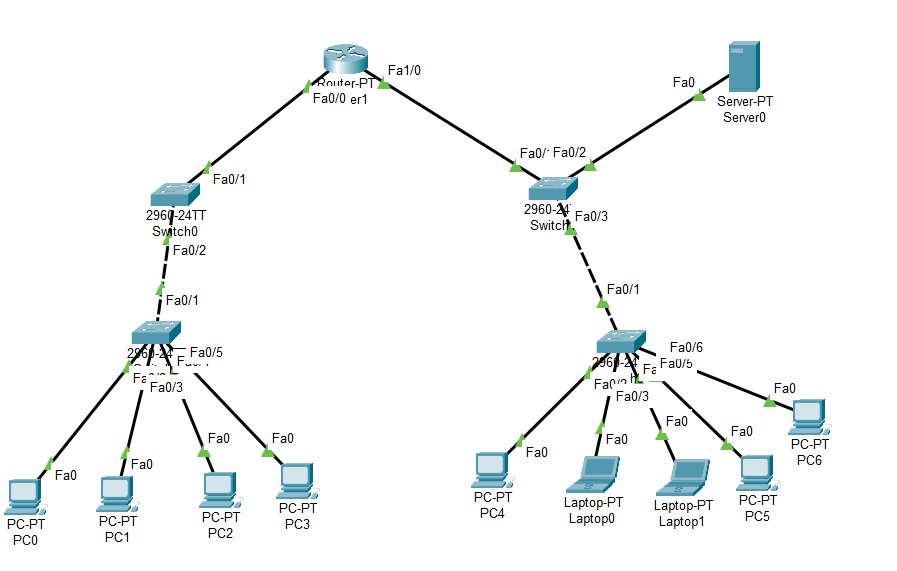


Keeping Same IP, So Connection is Not Lost:

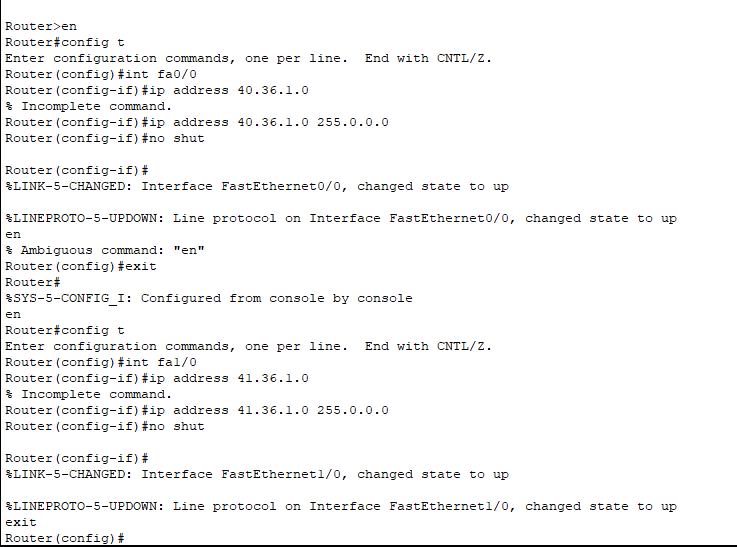


Question 2:

Overview:

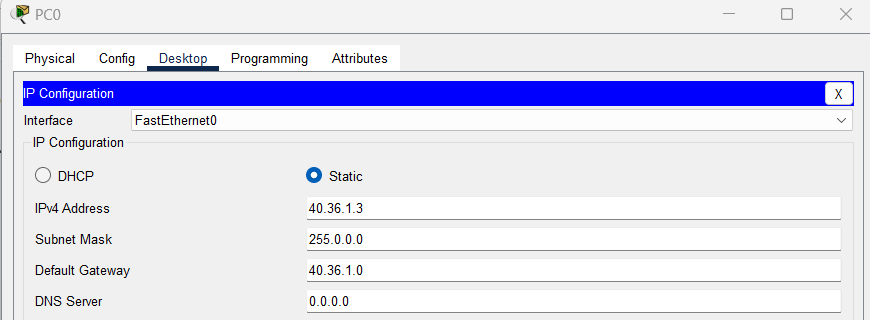


Router Configuration using CLI:



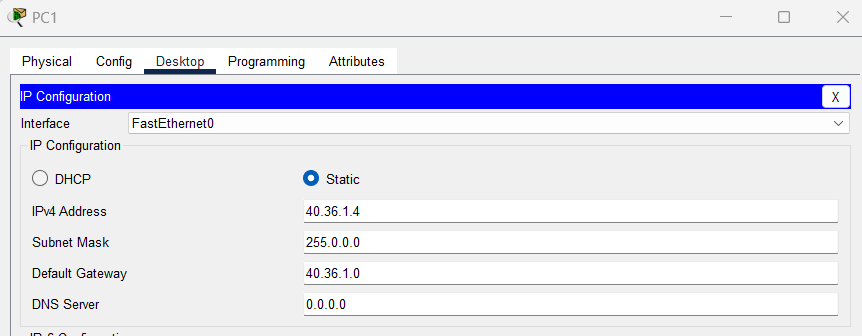
PC0 Configuration:

40.36.1.3



PC1 Configuration:

40.36.1.4



PC2 Configuration:

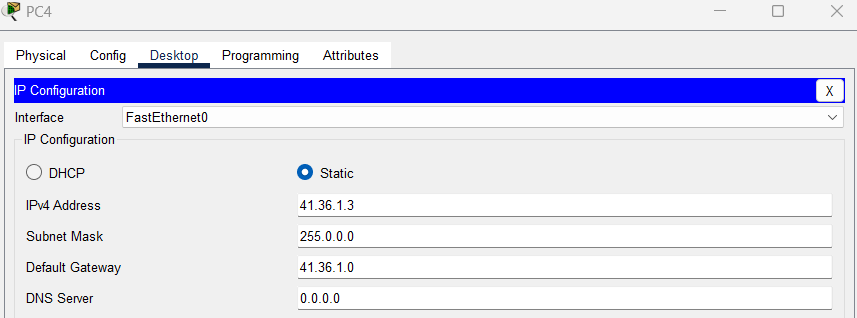
40.36.1.5

PC3 Configuration:

40.36.1.6

PC4 Configuration:

41.36.1.3

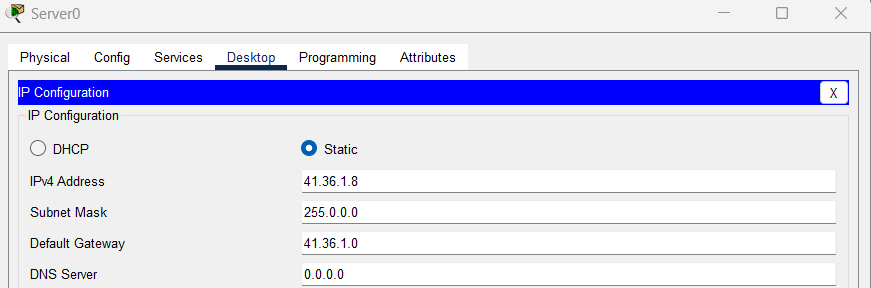


Laptop0 Configuration:

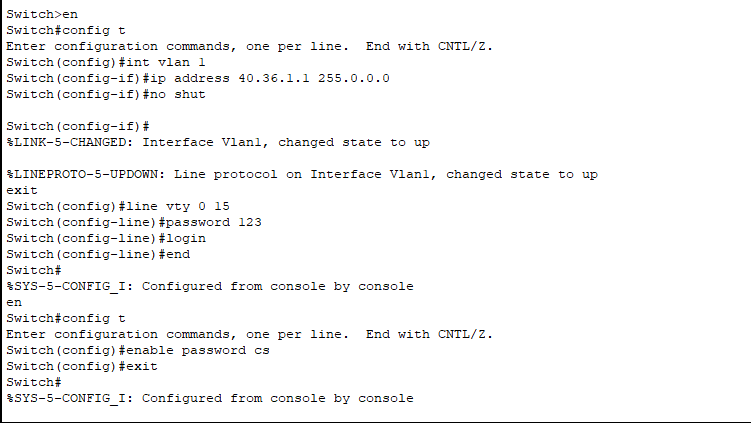
41.36.1.4

Similarly for Laptop1, PC5 or PC6

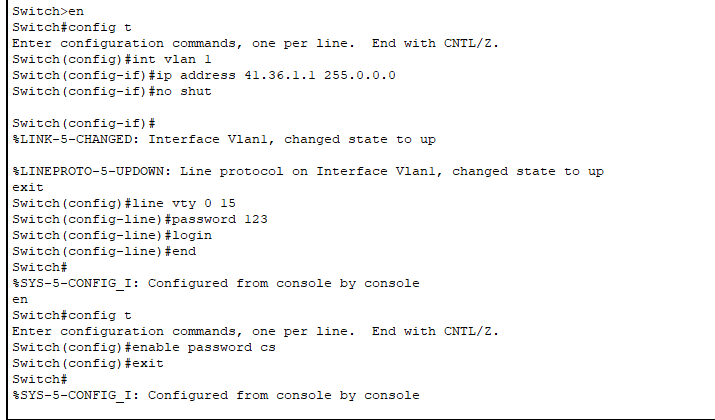
Main Server Configuration:



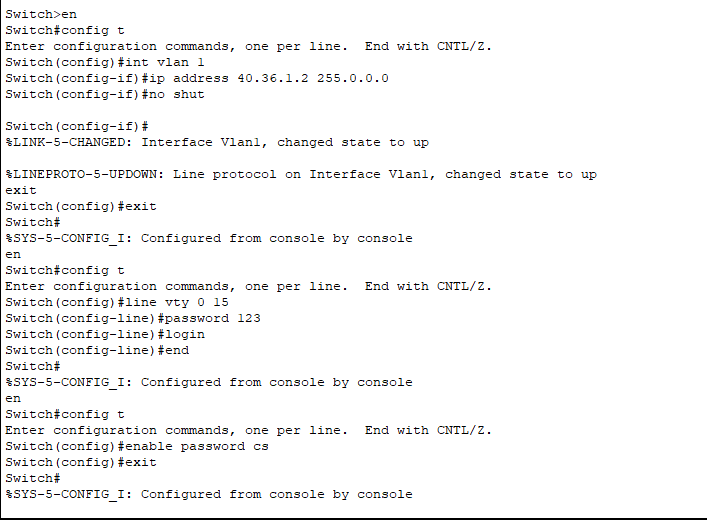
Switch 0:



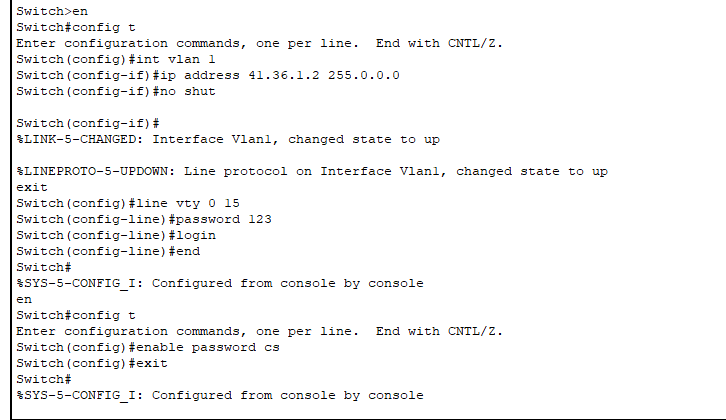
Switch 1:



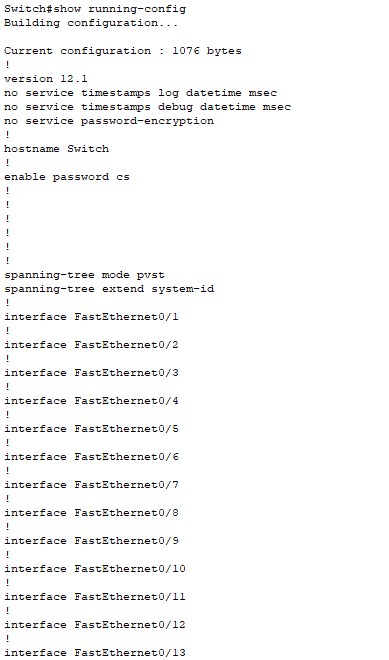
Switch 2:

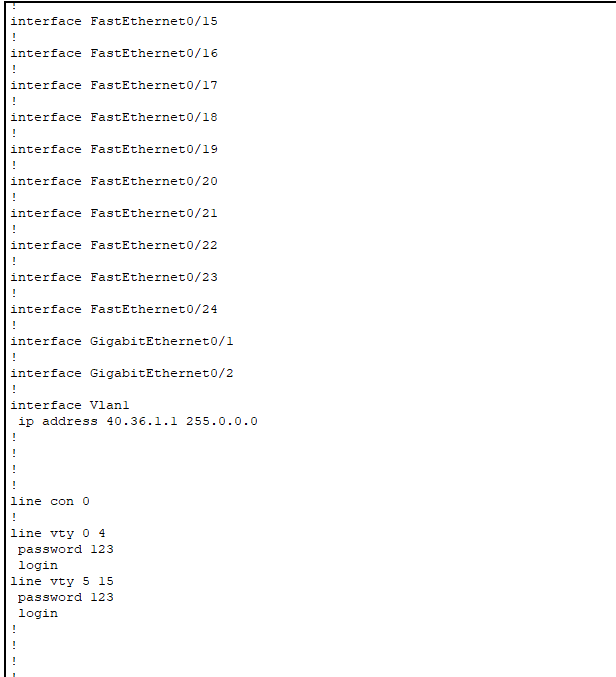


Switch 3:

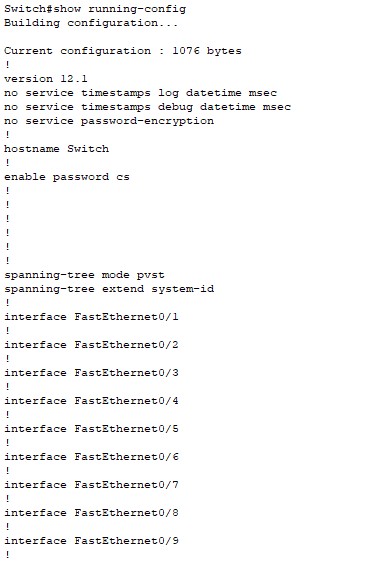


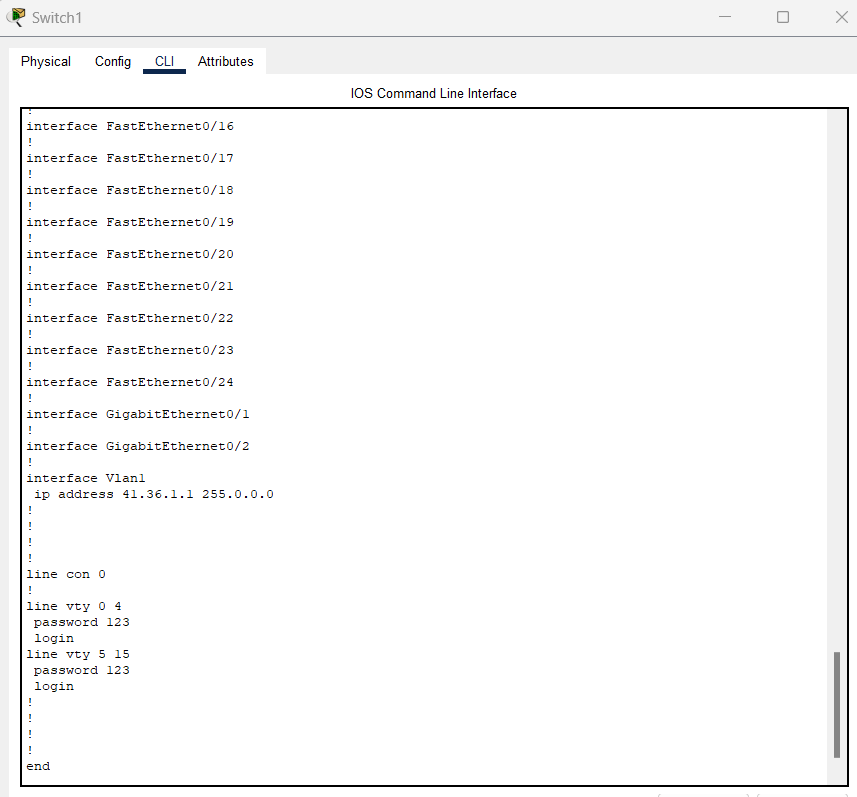
Switch 0 show run command:



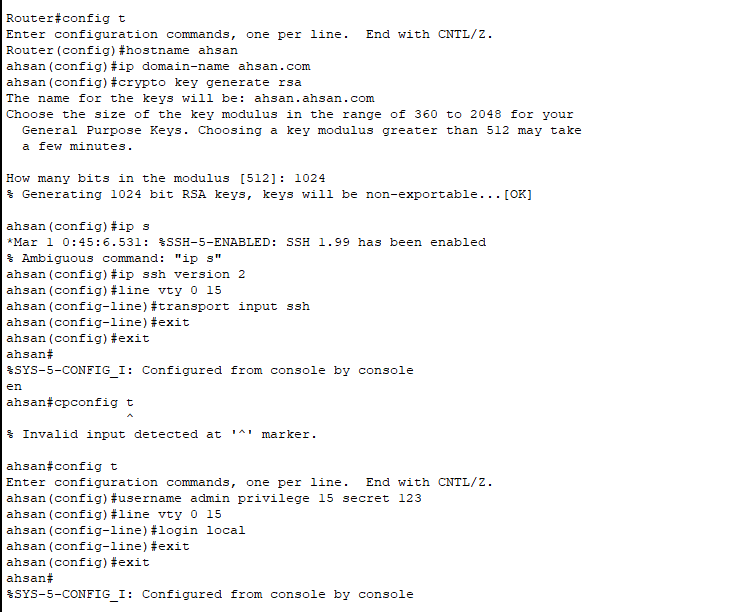


Switch 1 show run command:

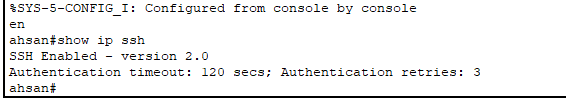




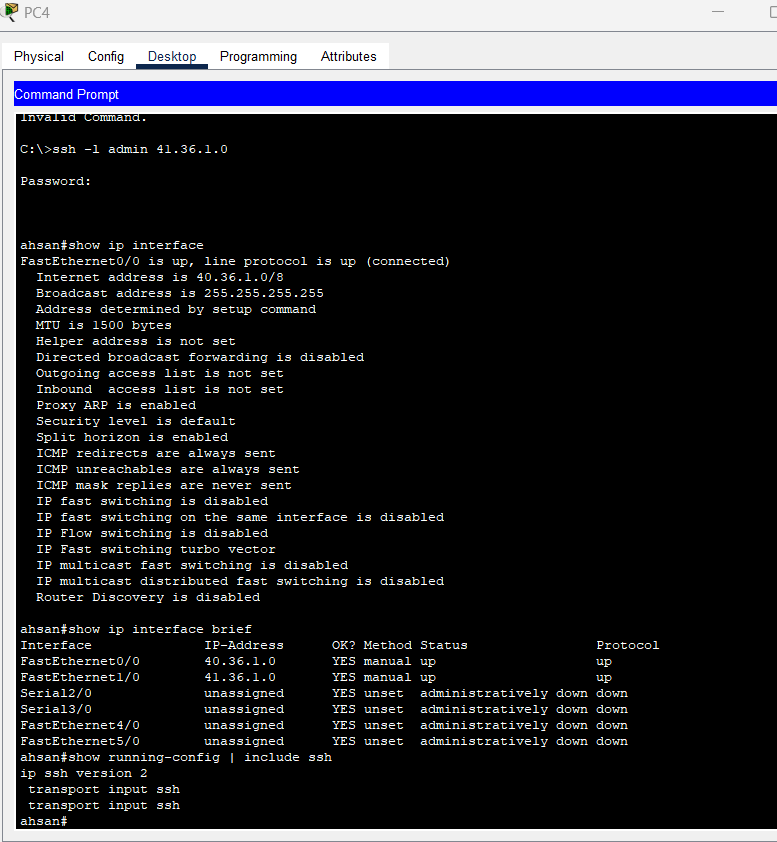
Setting Up ssh on Router:



Ssh Verification:



Ssh Verification from PC’s:



Setting Up Interface Fa0/0 from Laptop 0:

