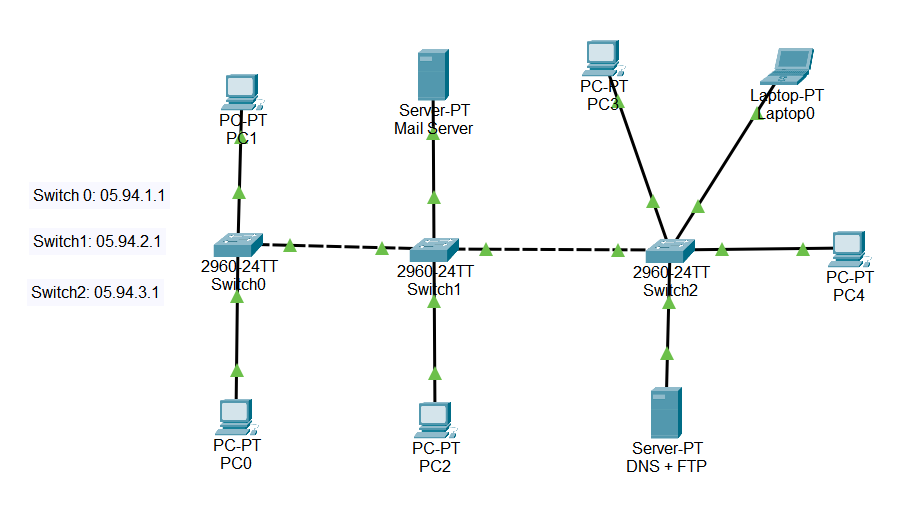
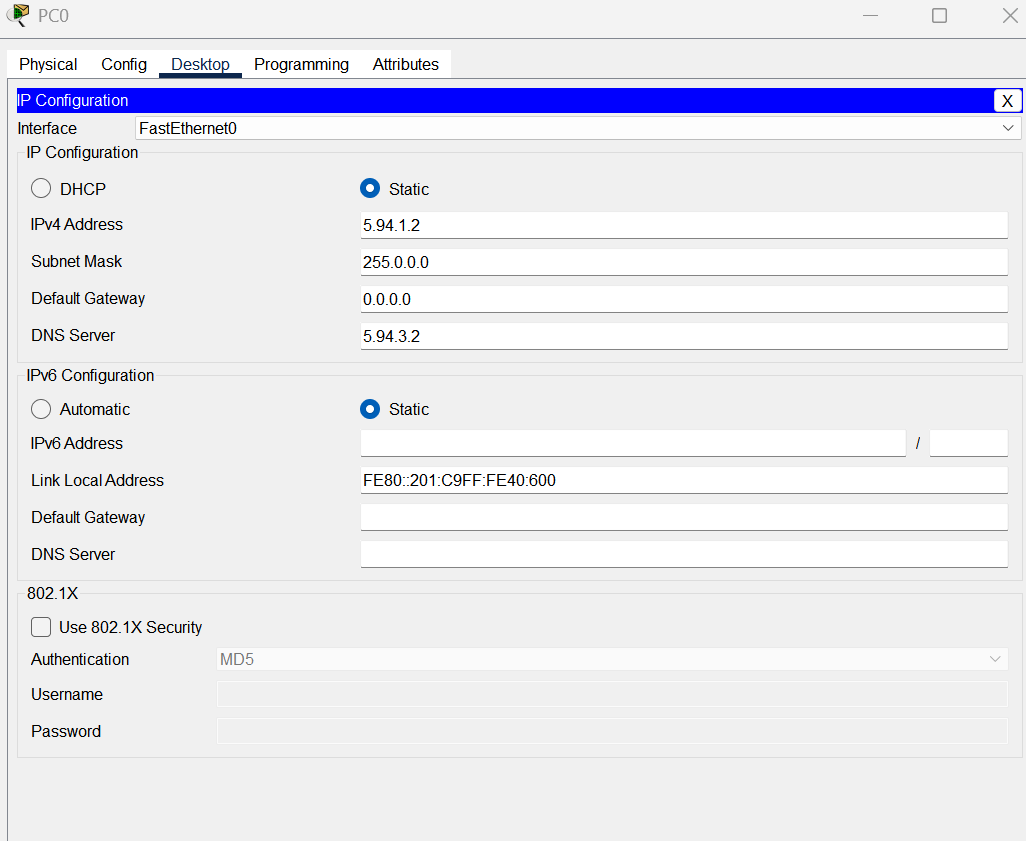
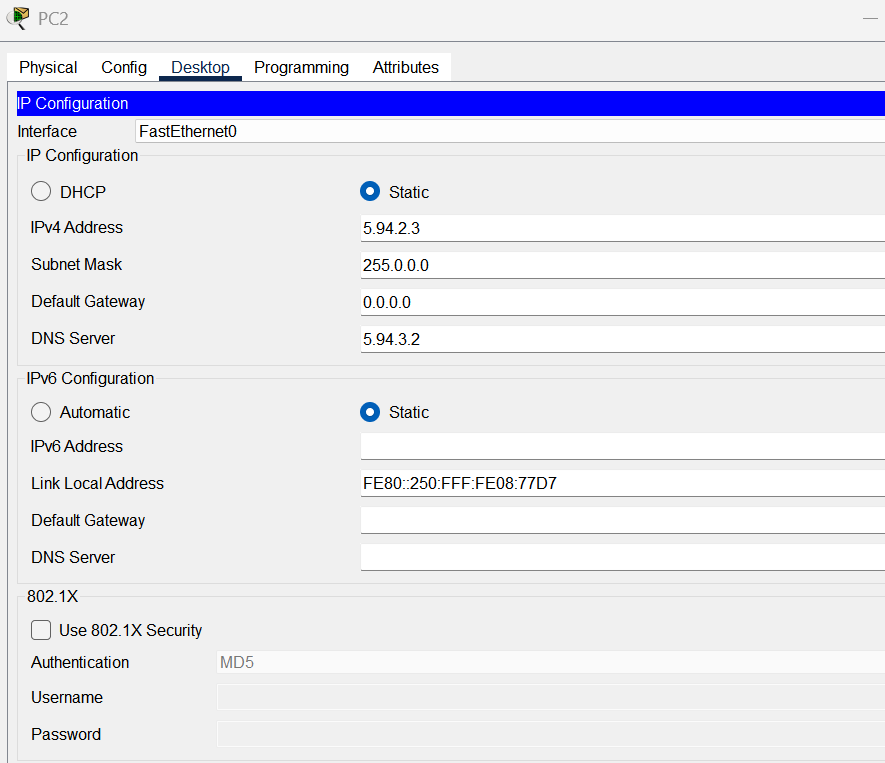
**CN LAB 6**

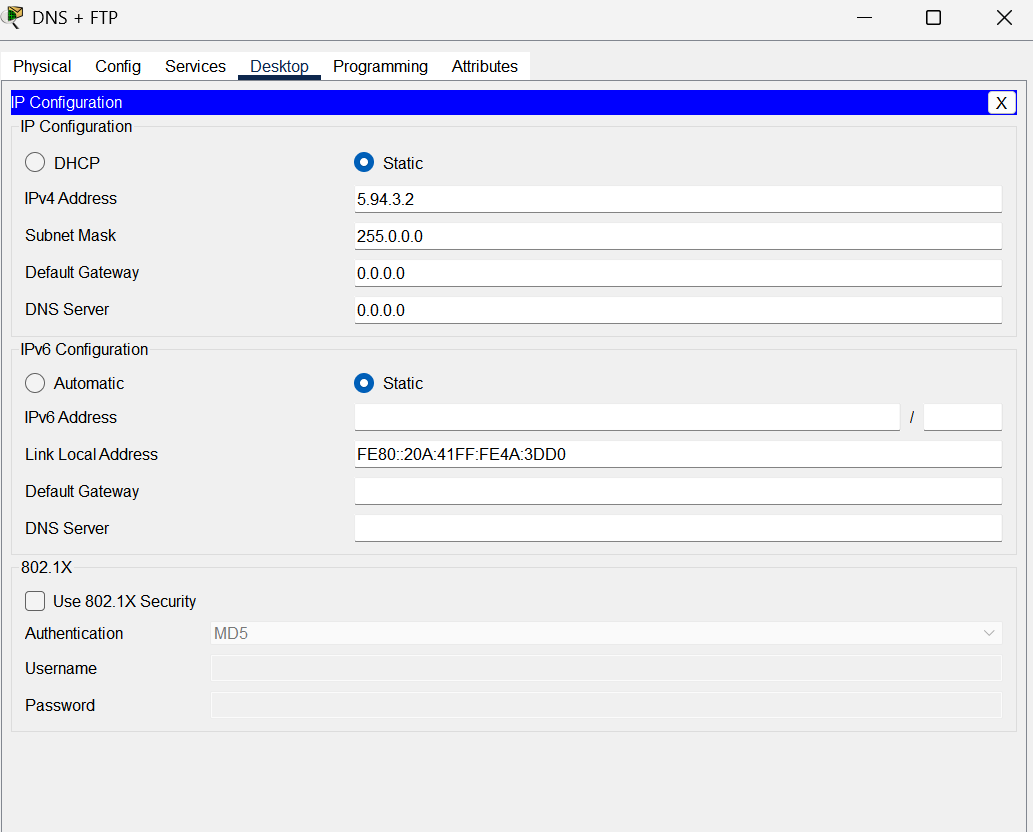
**23K-0594**

**Task 1:**

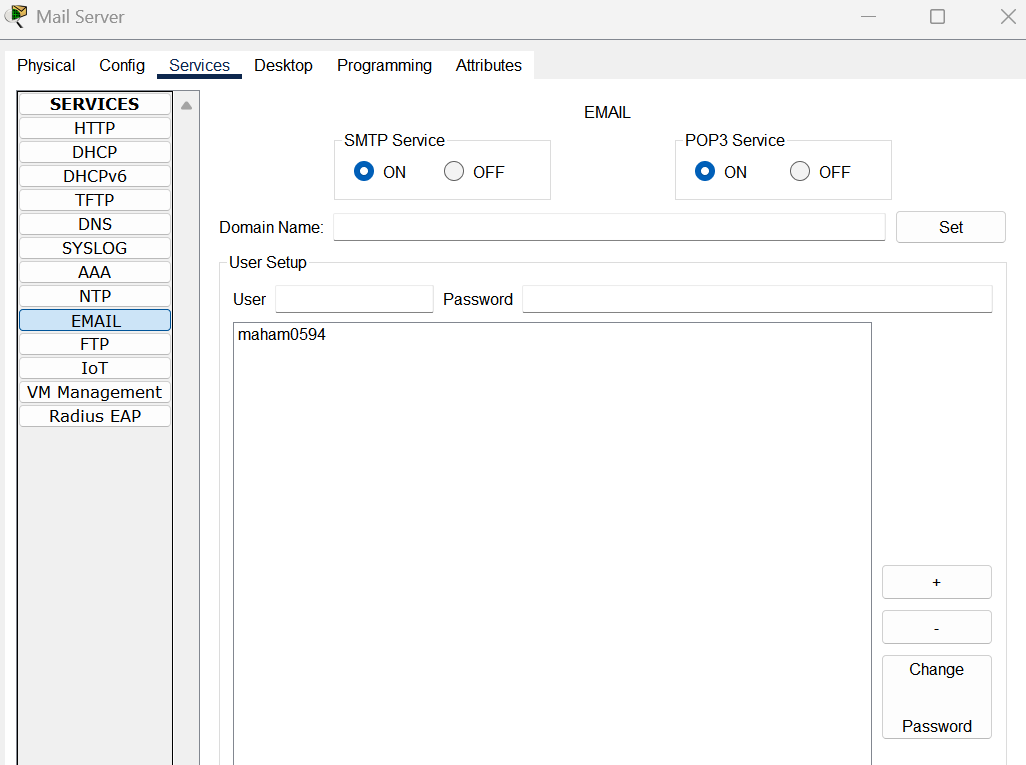
****

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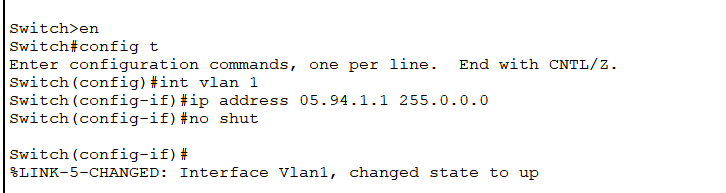
****

****

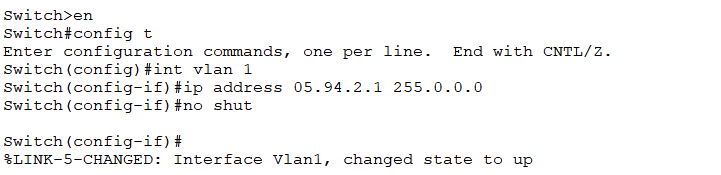
Similarly configuration done for other PCs



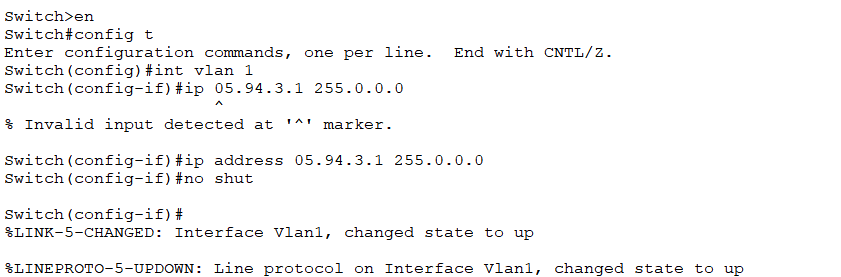
**switch 0 configuration:**



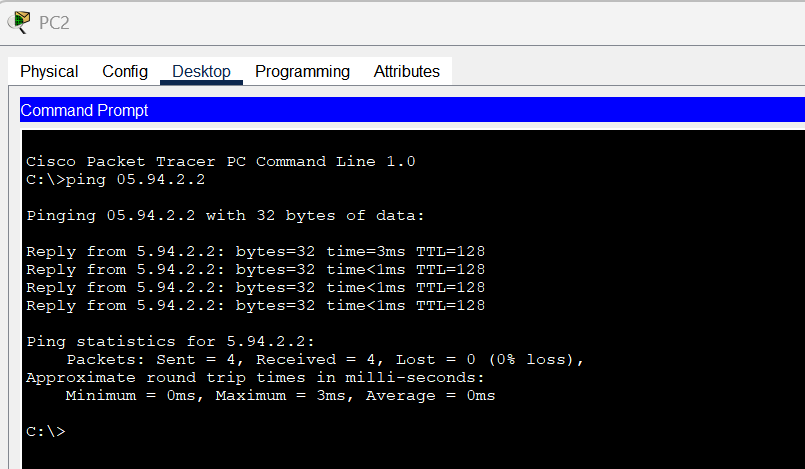
**switch 1 configuration:**

****

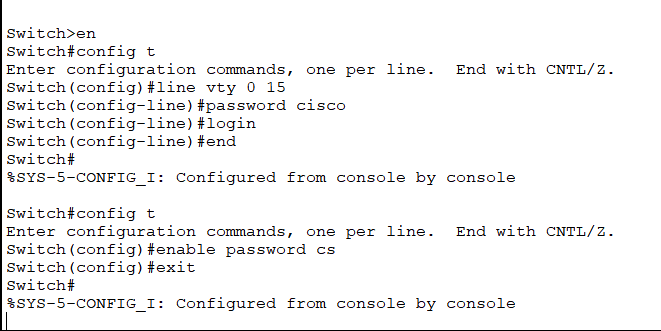
**switch 2 configuration:**

****

**Ping sent to mail server from PC 2:**

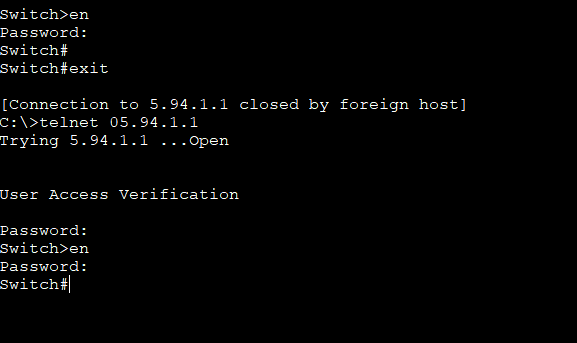
****

**Setting up all switches telnet:**

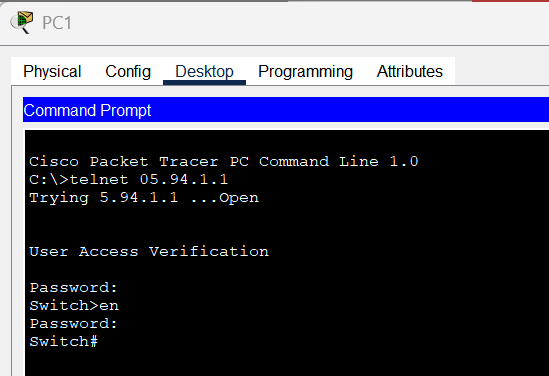
****

**Verifying telnet:**

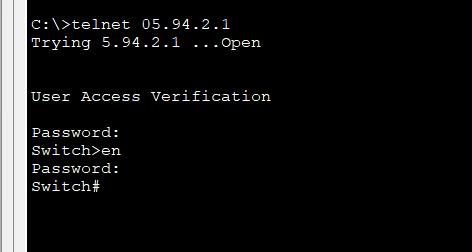
**PC0:**

****

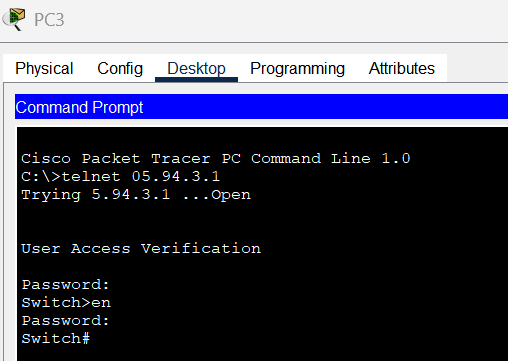
**PC 1:**

****

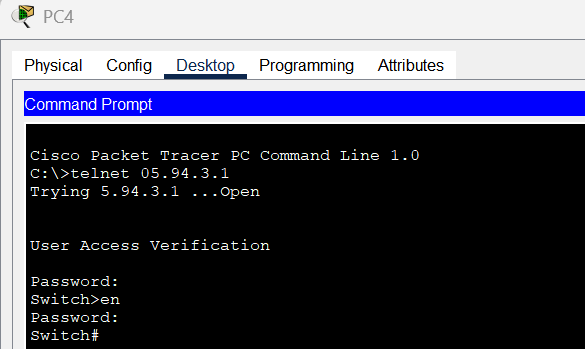
**PC 2:**

****

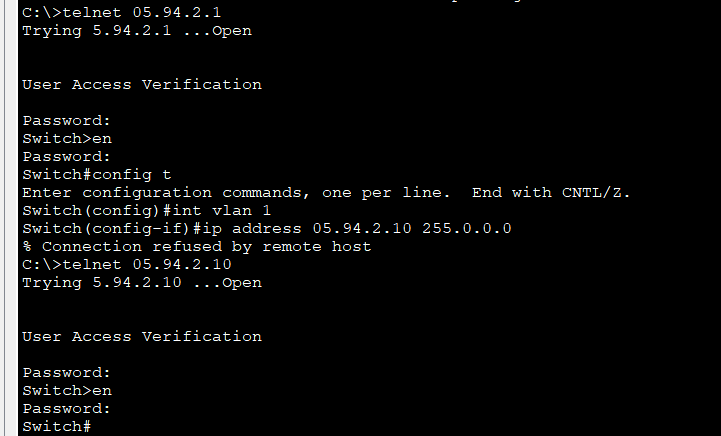
**PC3:**

****

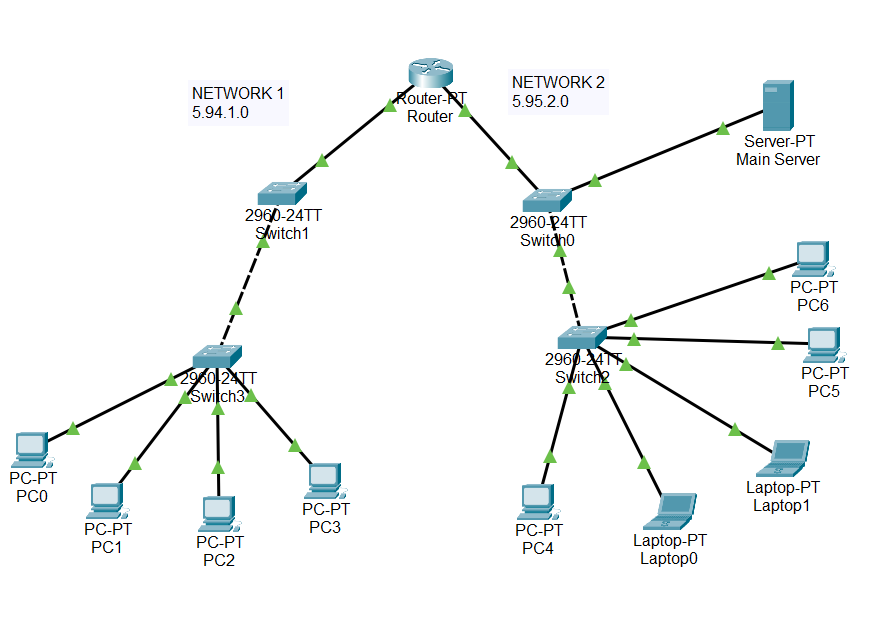
**P4:**

****

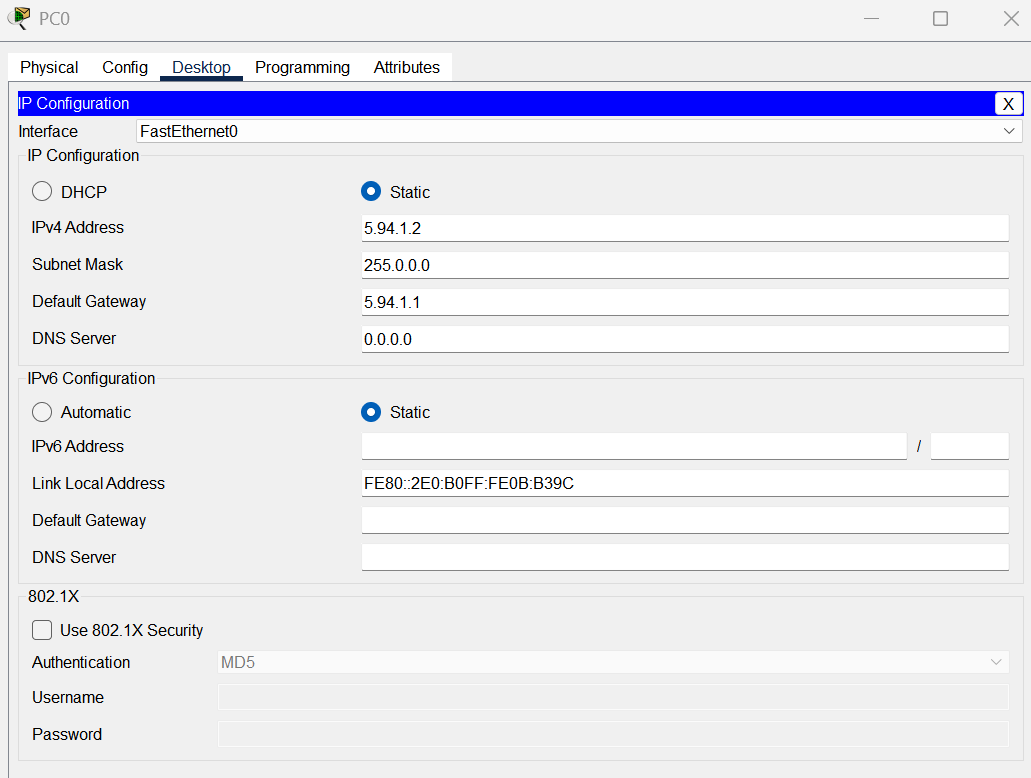
**Changing IP of switch from PC 2:**

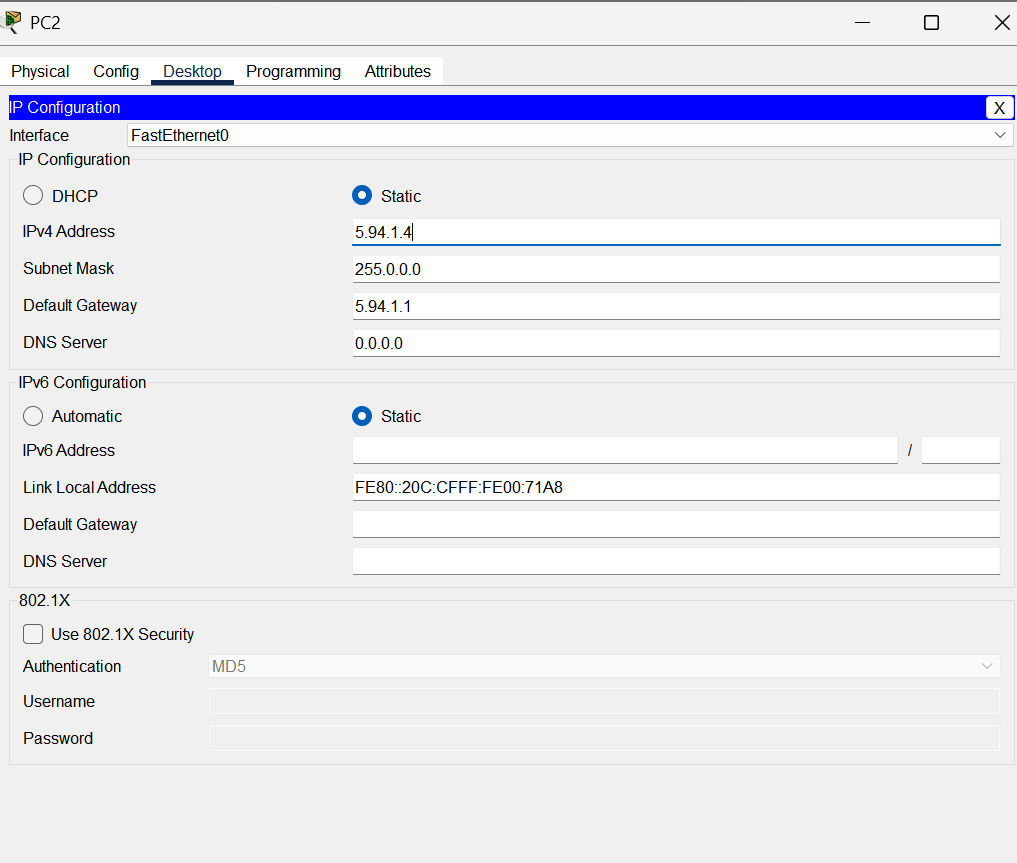
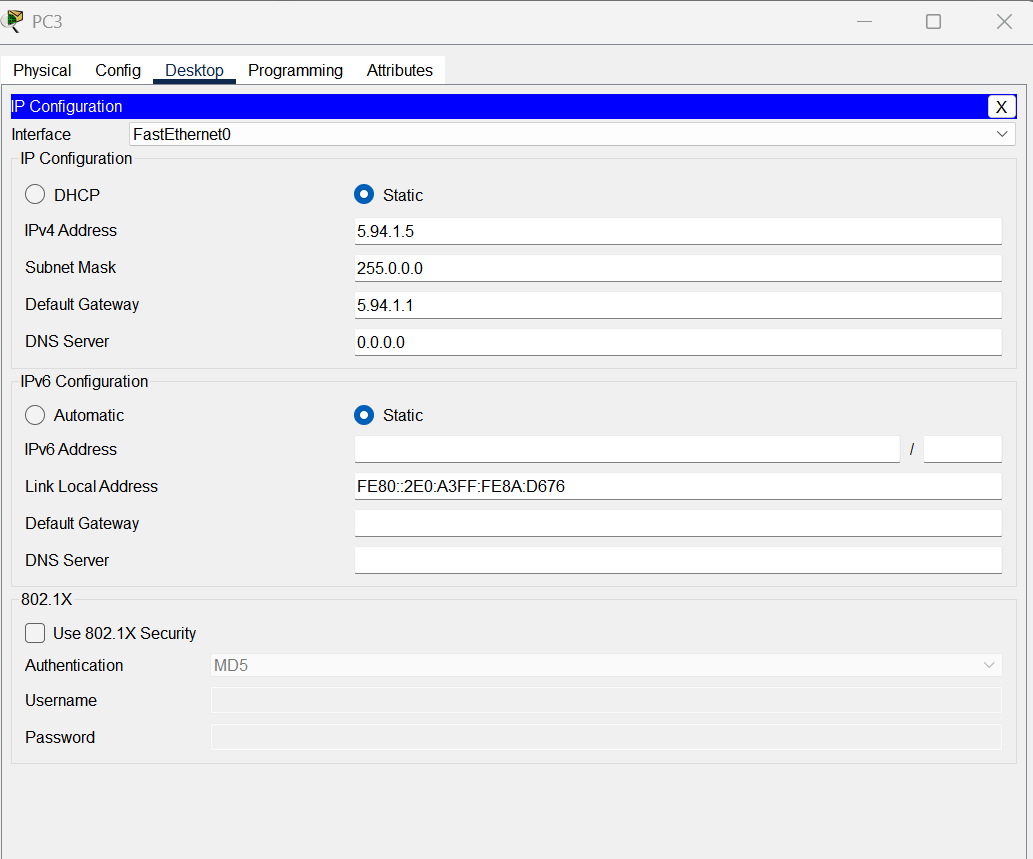
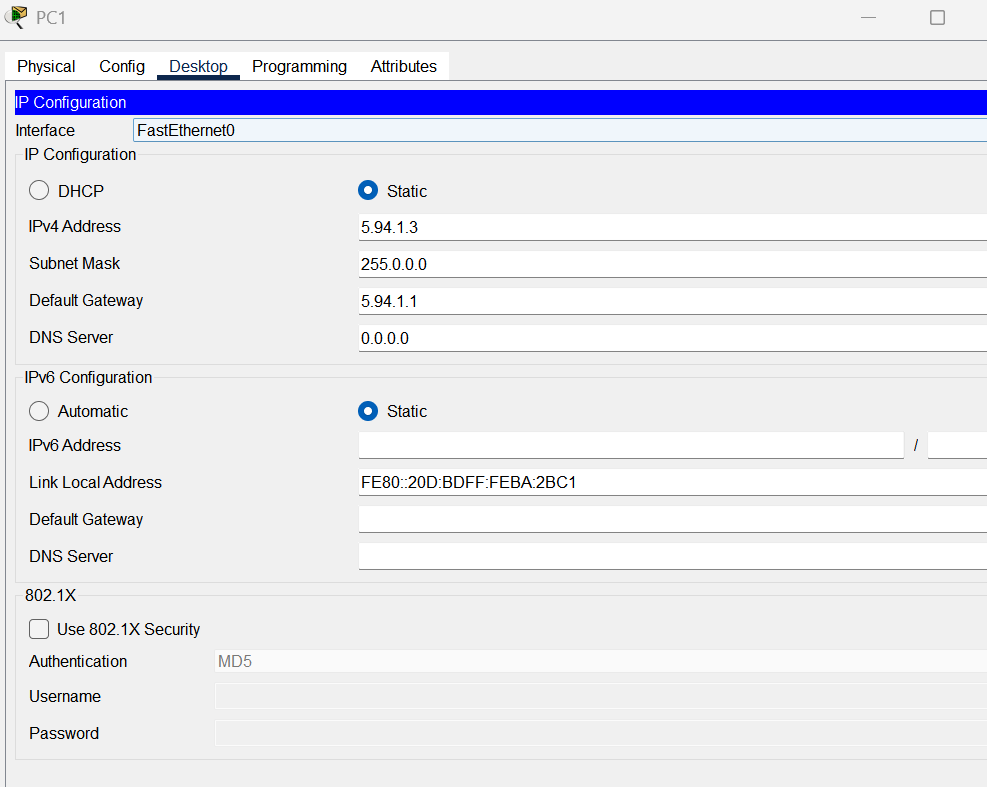
****

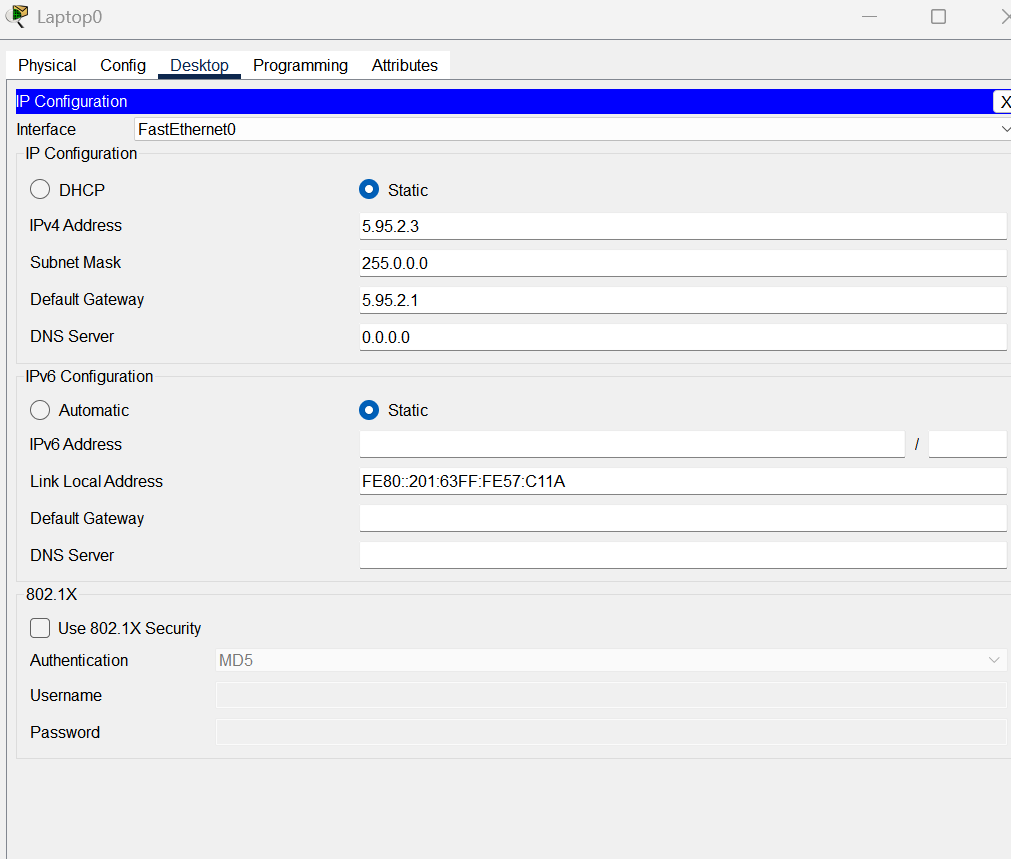
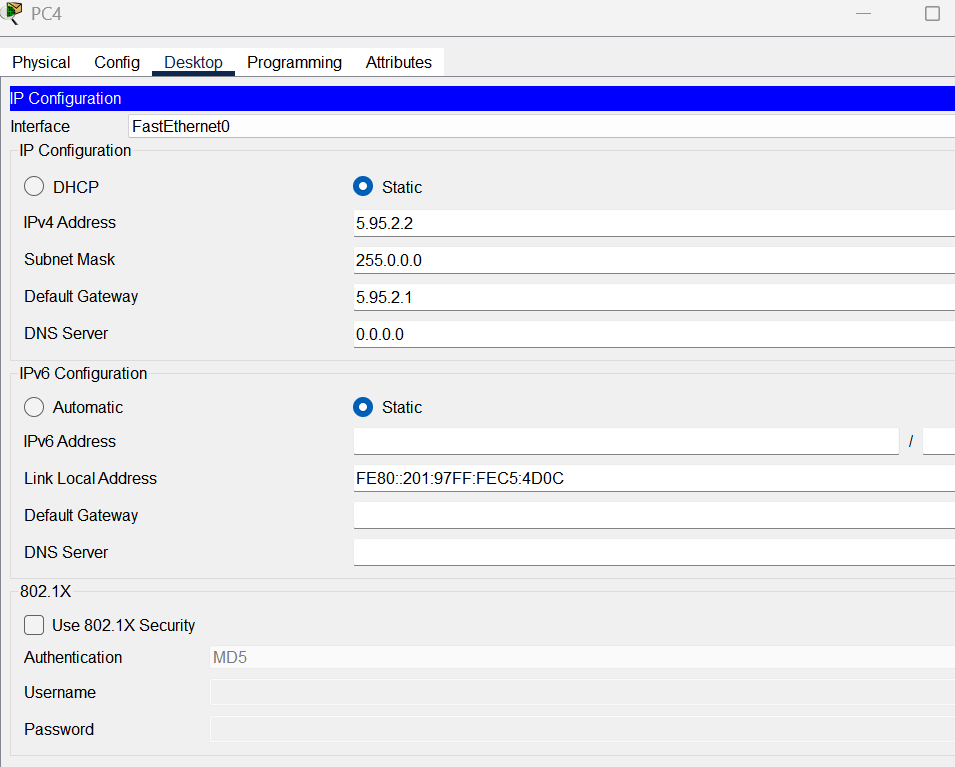
**Task 2:**

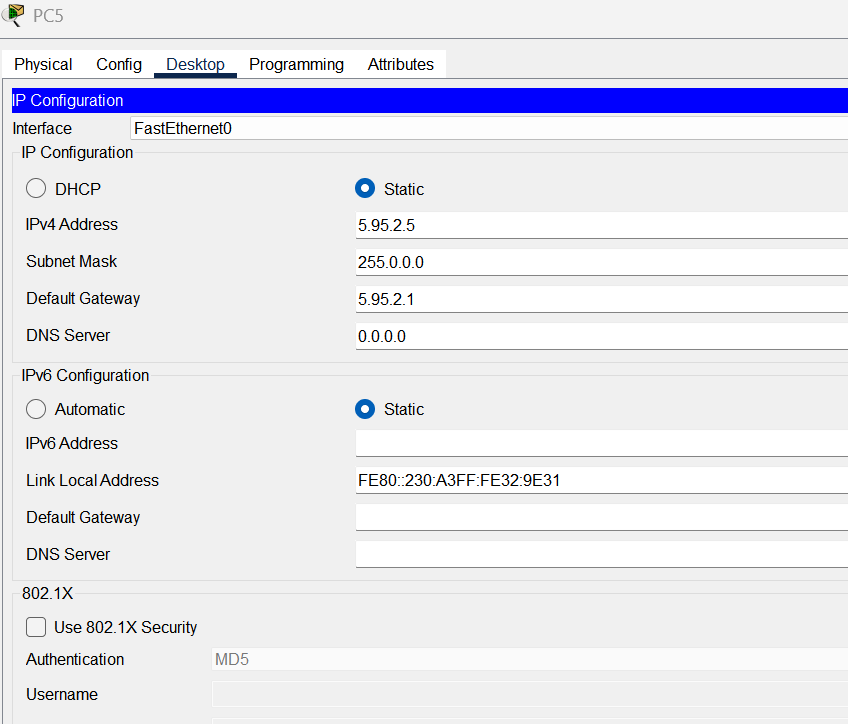
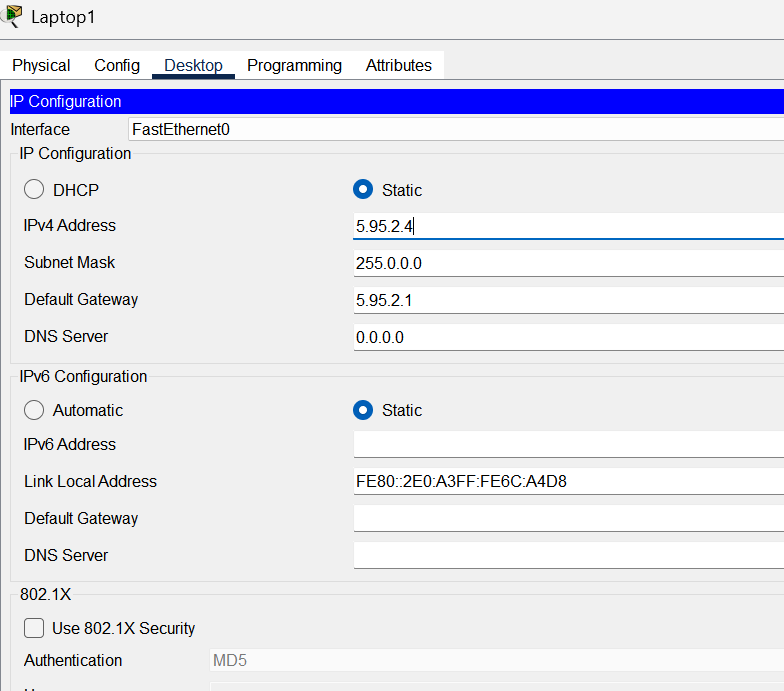
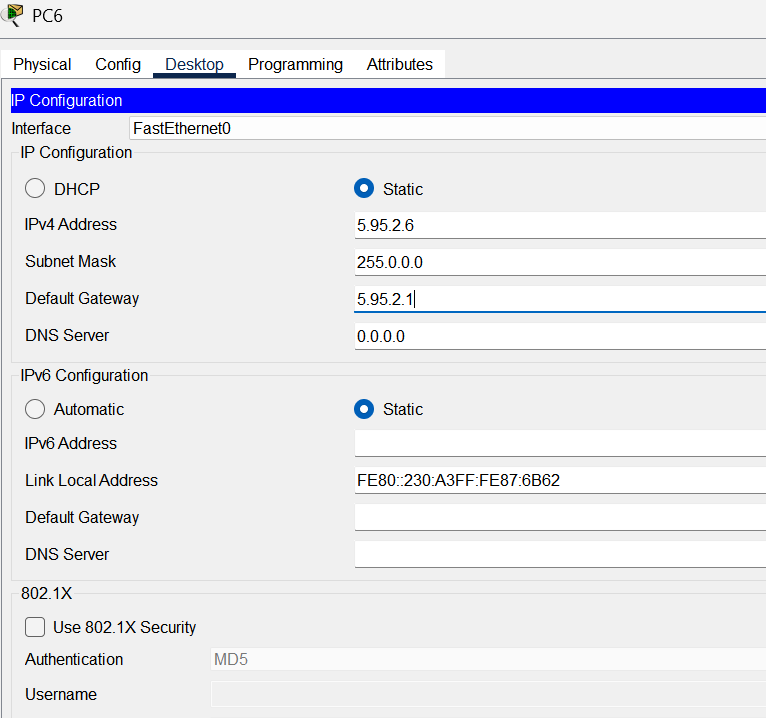
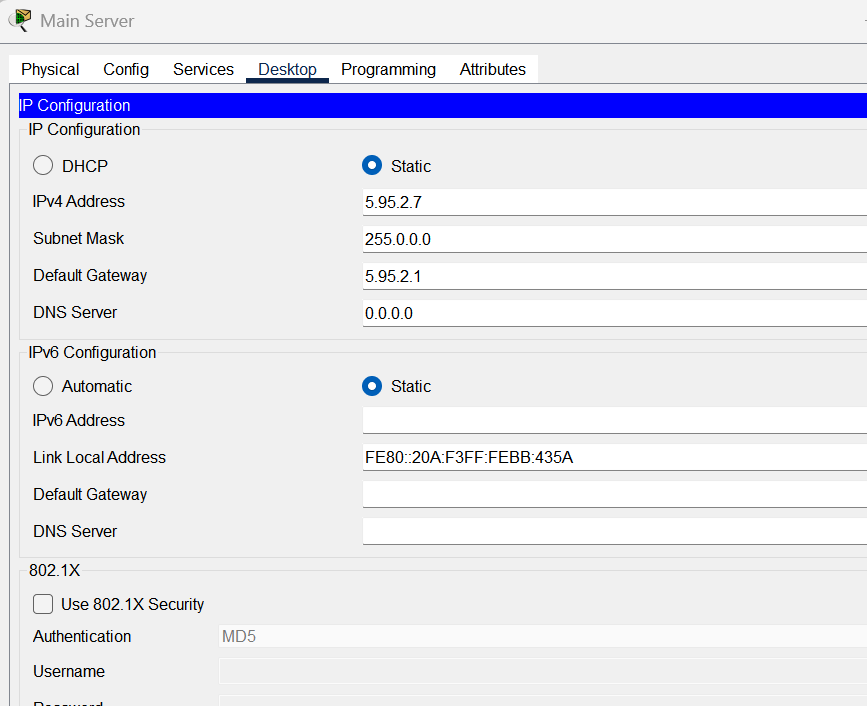
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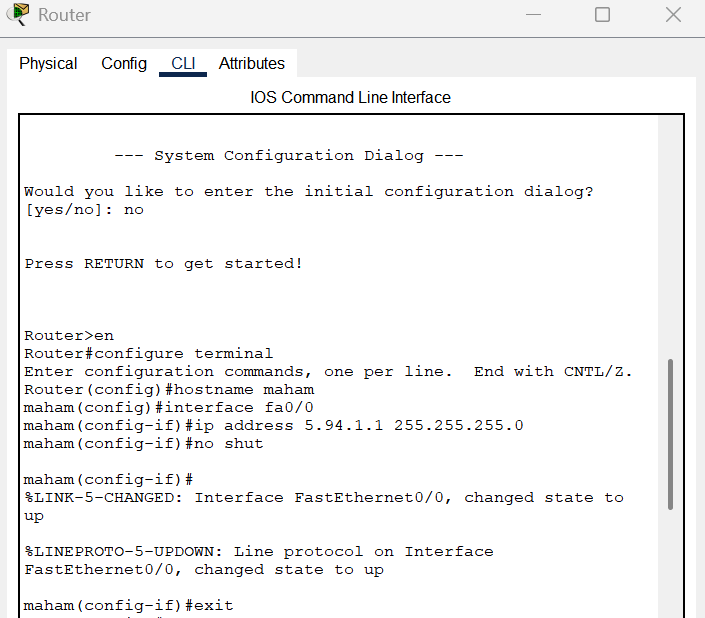
**Configurations:**

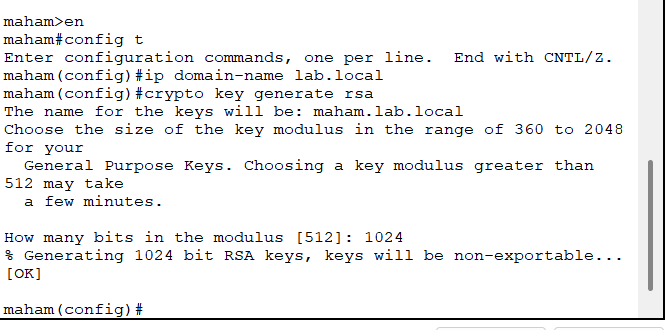


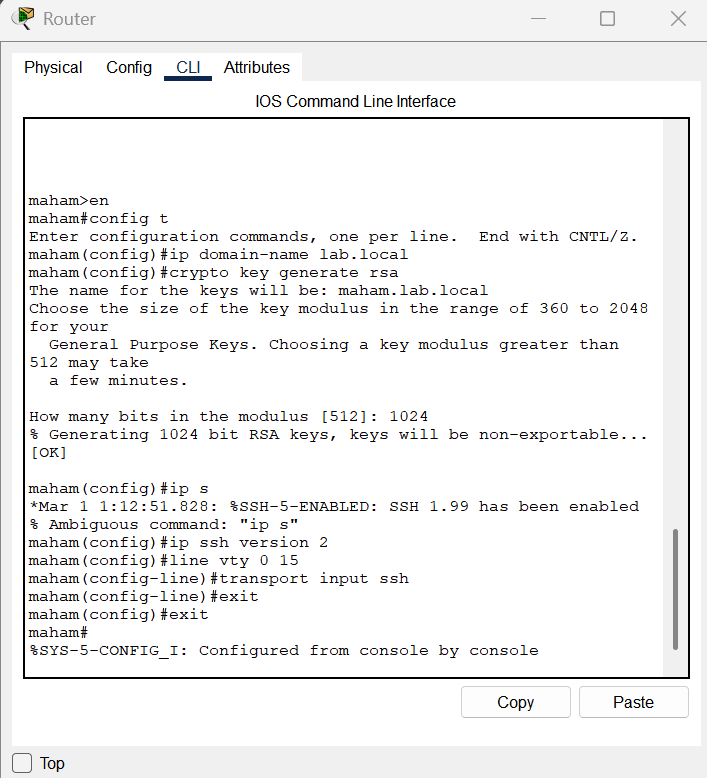


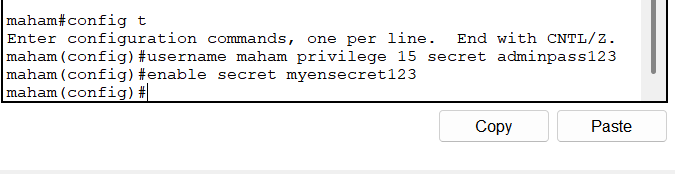


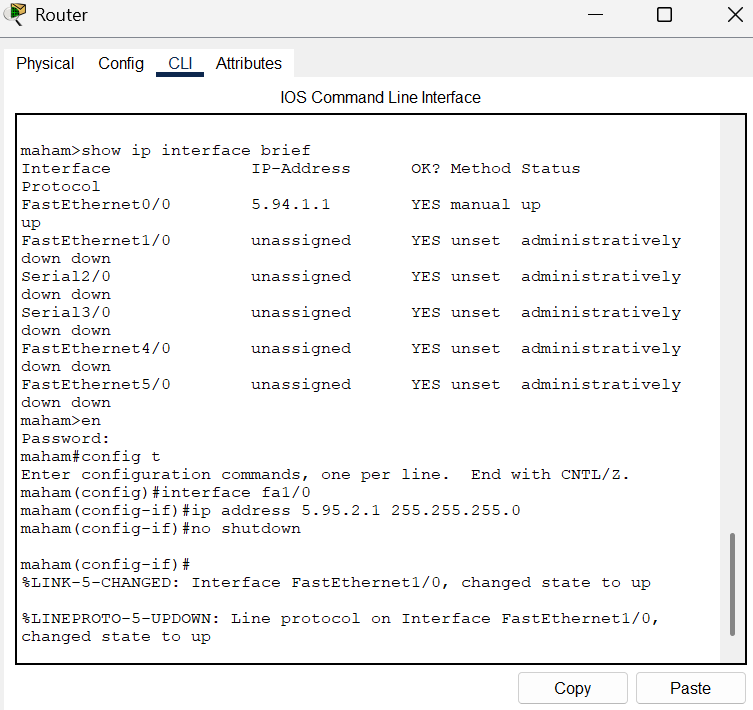
 



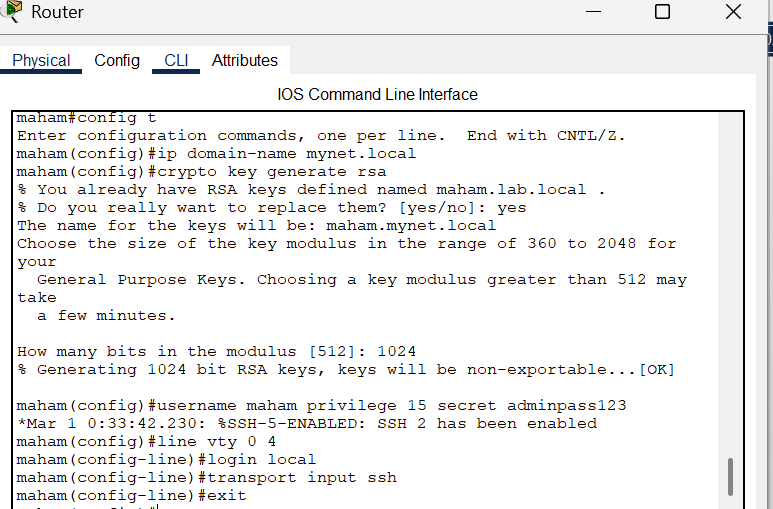
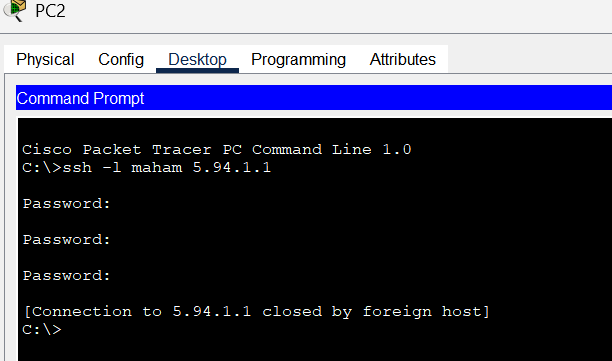




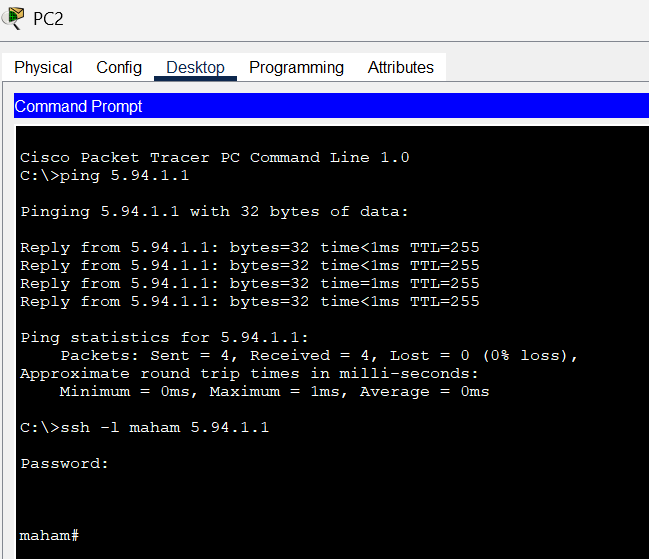




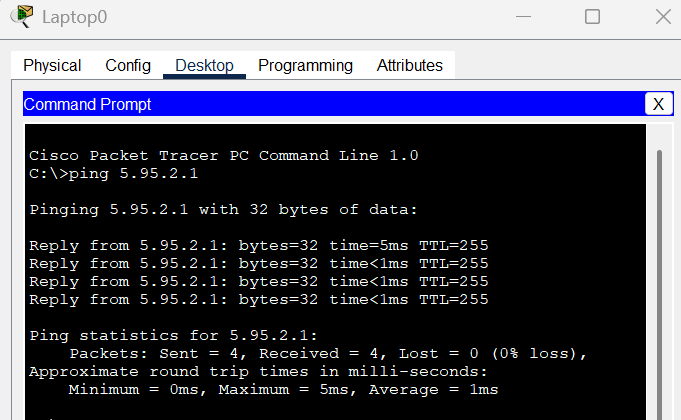
Since this error was given tried redefining rsa keys.

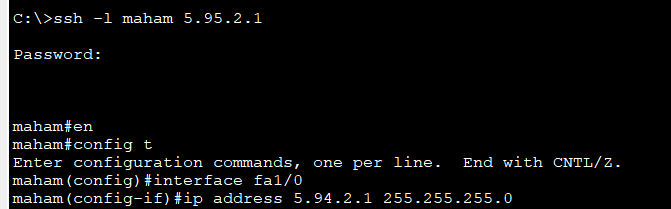


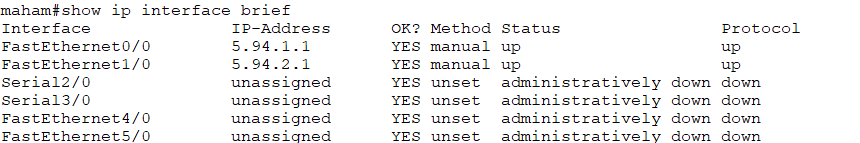
Worked fine then:



**Verifying ssh and changing ip address:**

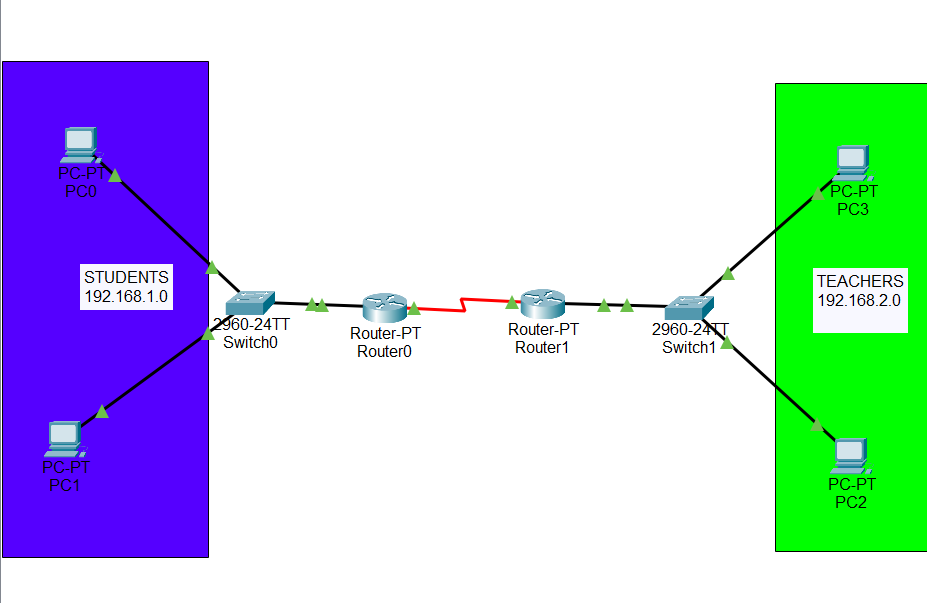






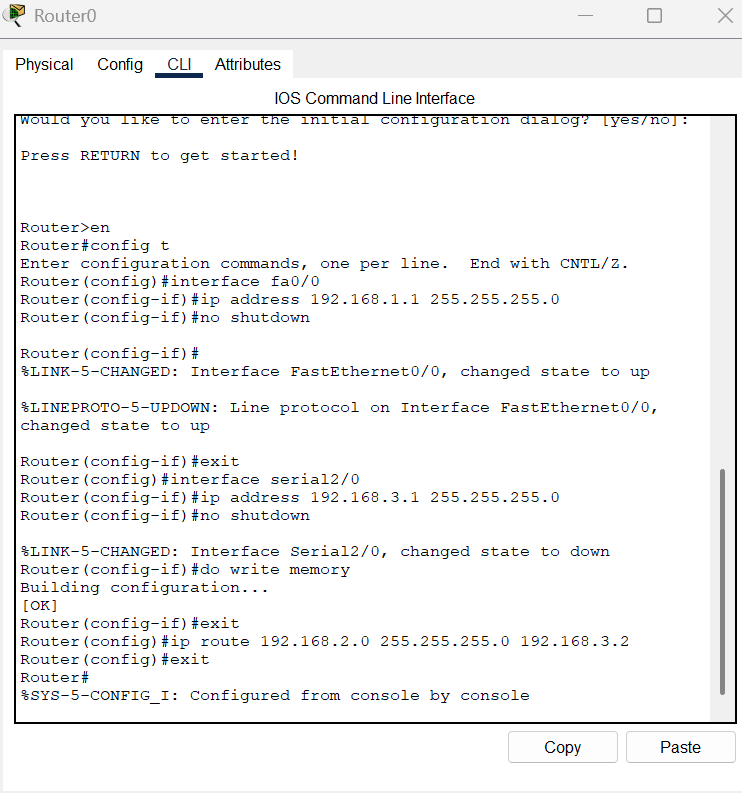
**LAB 6B**

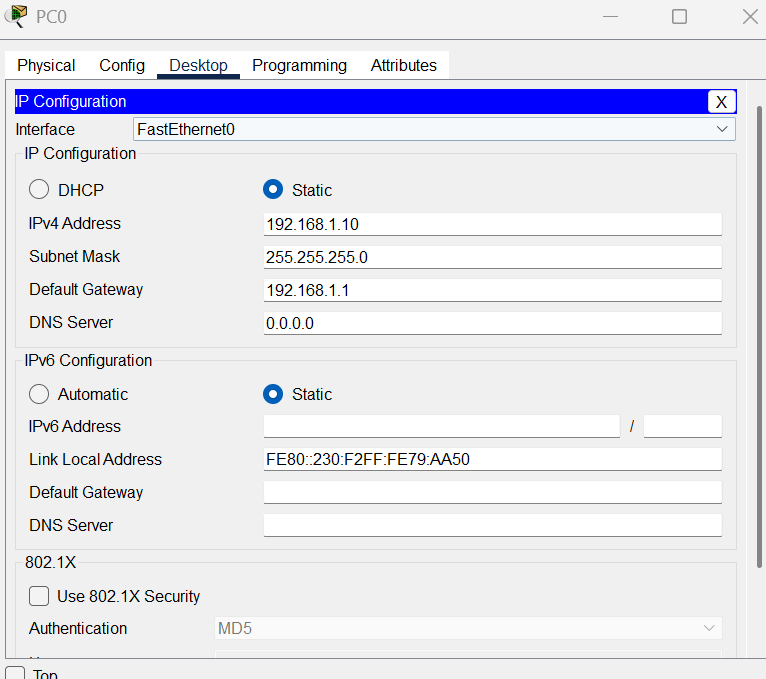
**Task 3:**

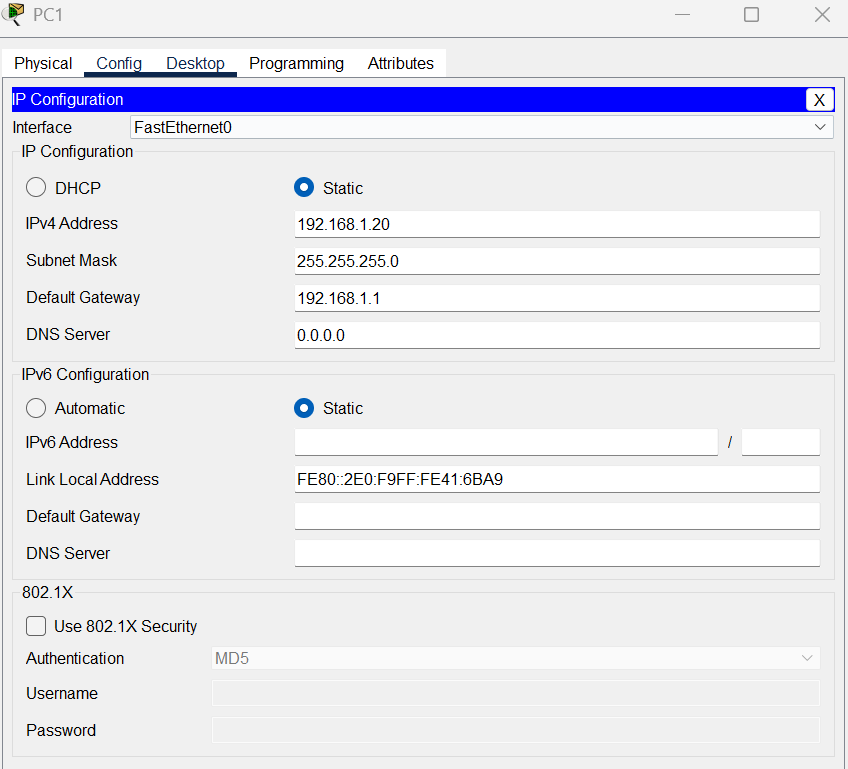


**Configurations:**

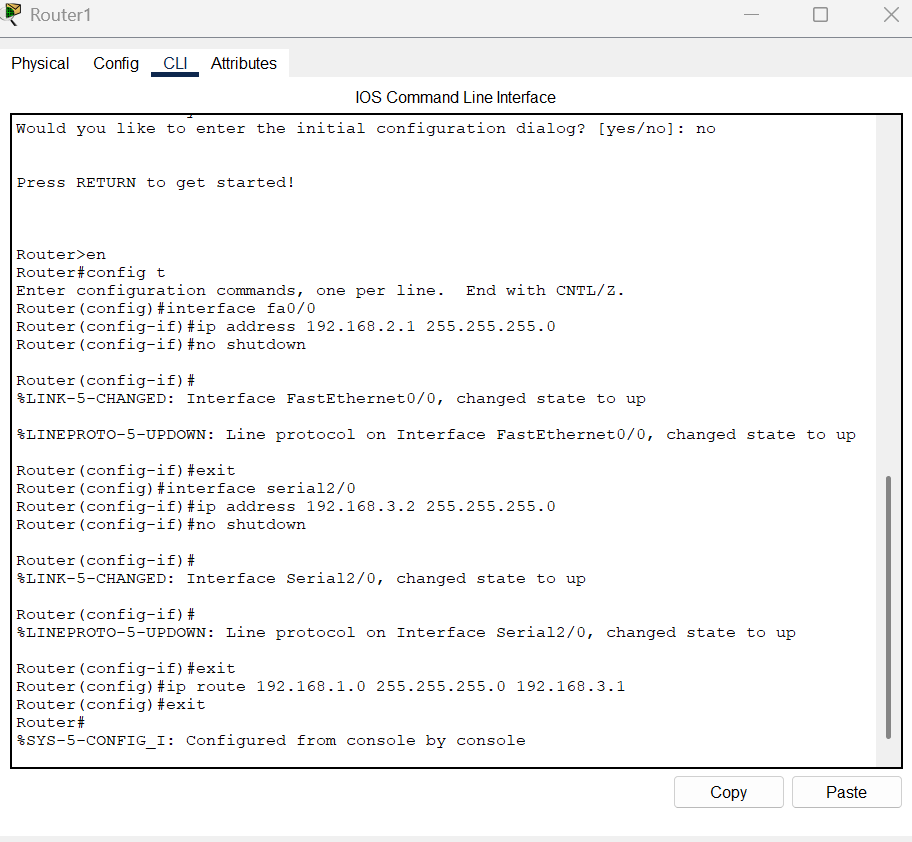
**Student side:**

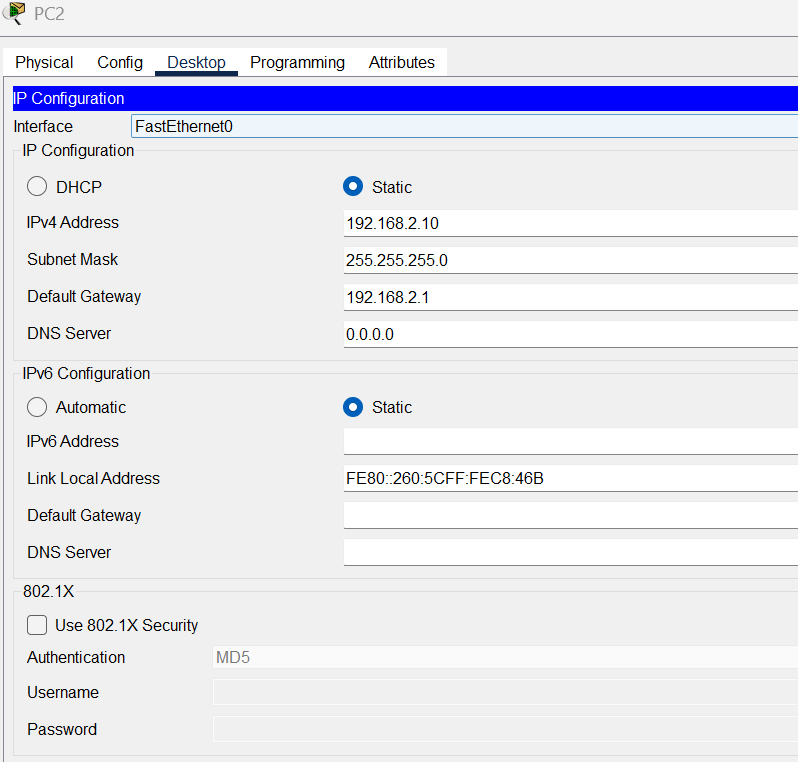
****

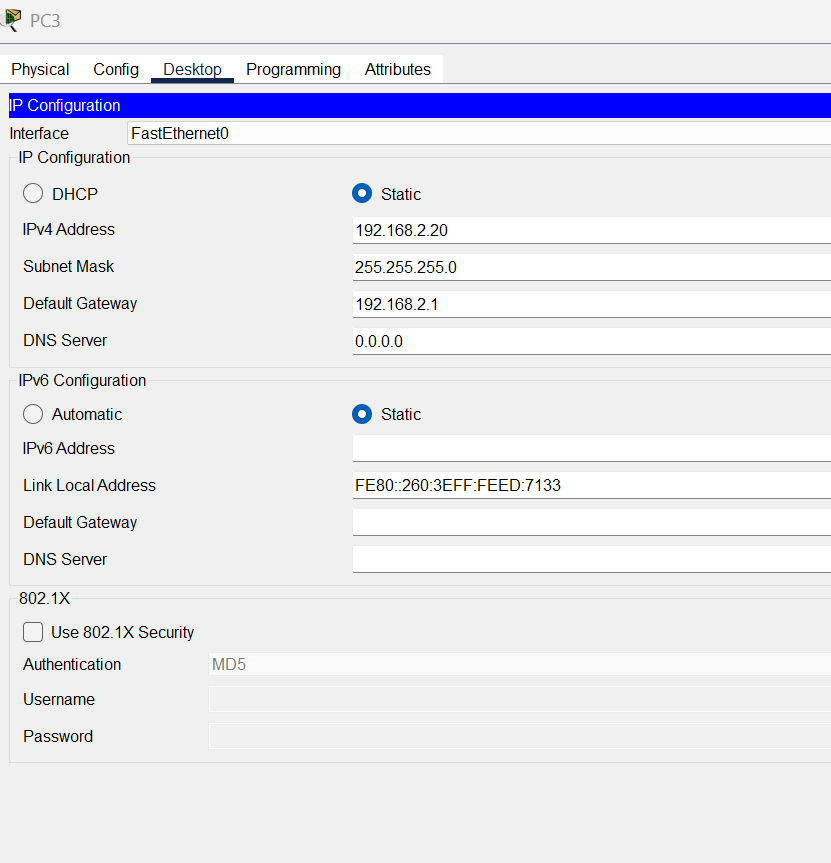




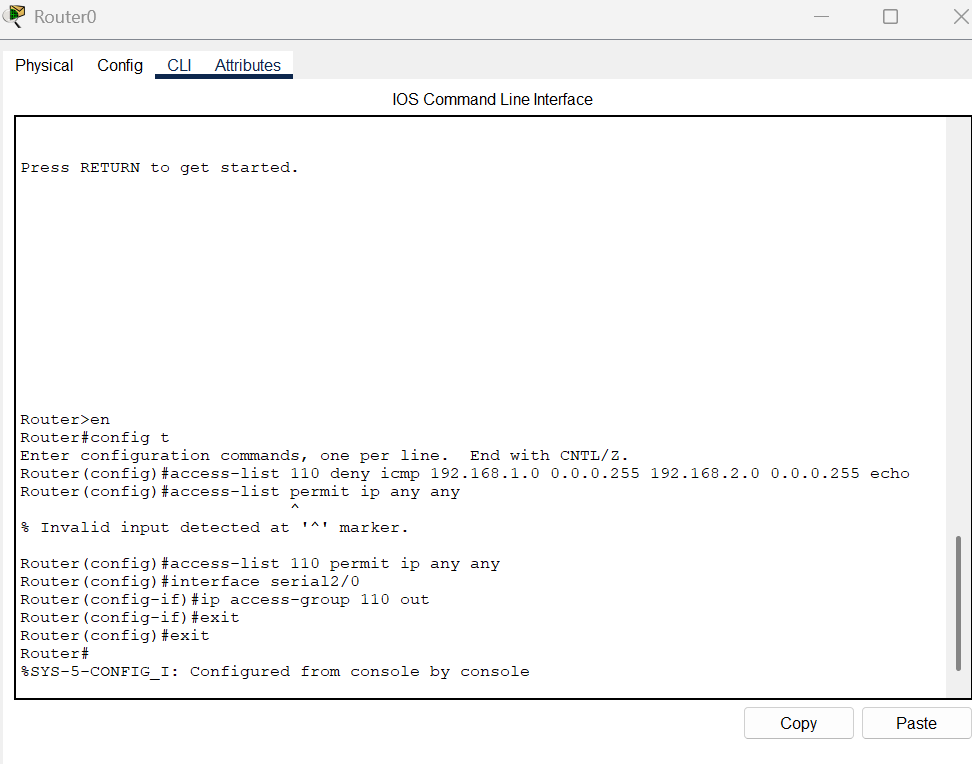
**Teacher side:**



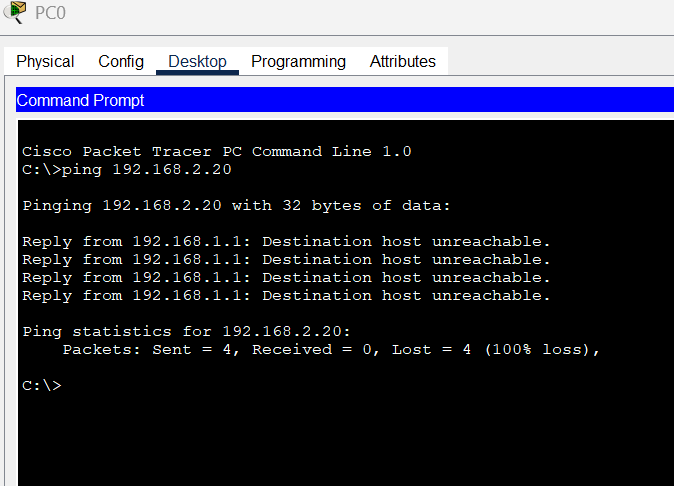




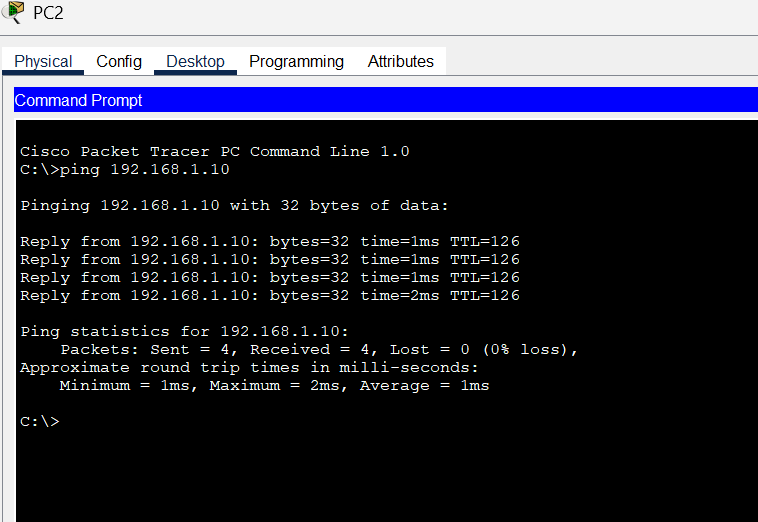
**1) Preventing PCs in the Students network from communicating with any device in the Teachers network. But, Teachers should be able to communicate with the Students.**



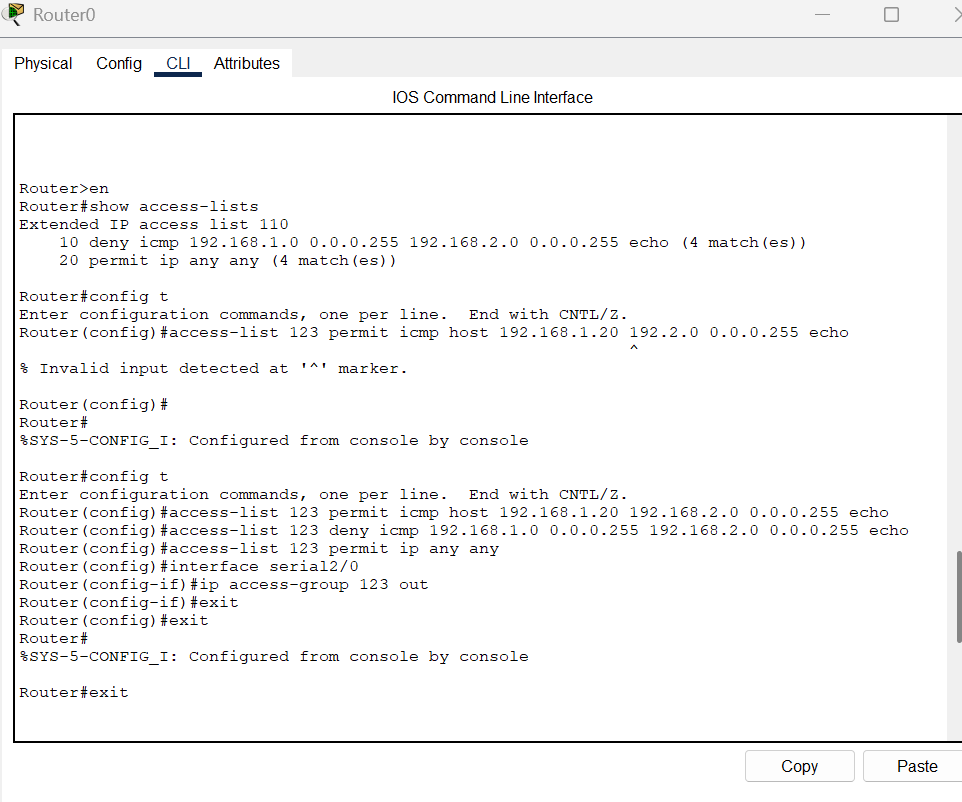
**STUDENT (PC0) → TEACHER (PC3)**



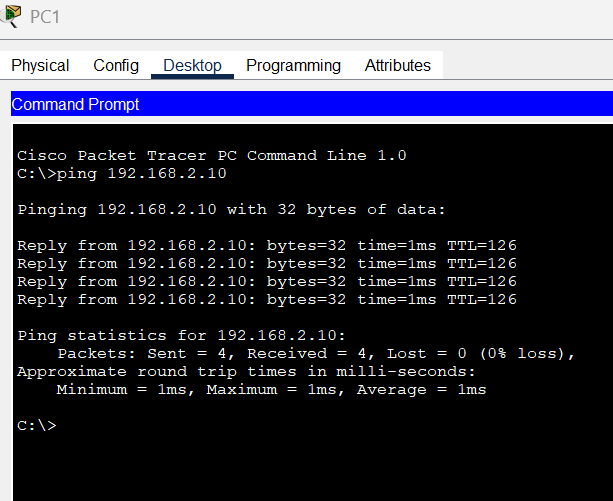
**TEACHERS(PC2) → STUDENT(PC0)**



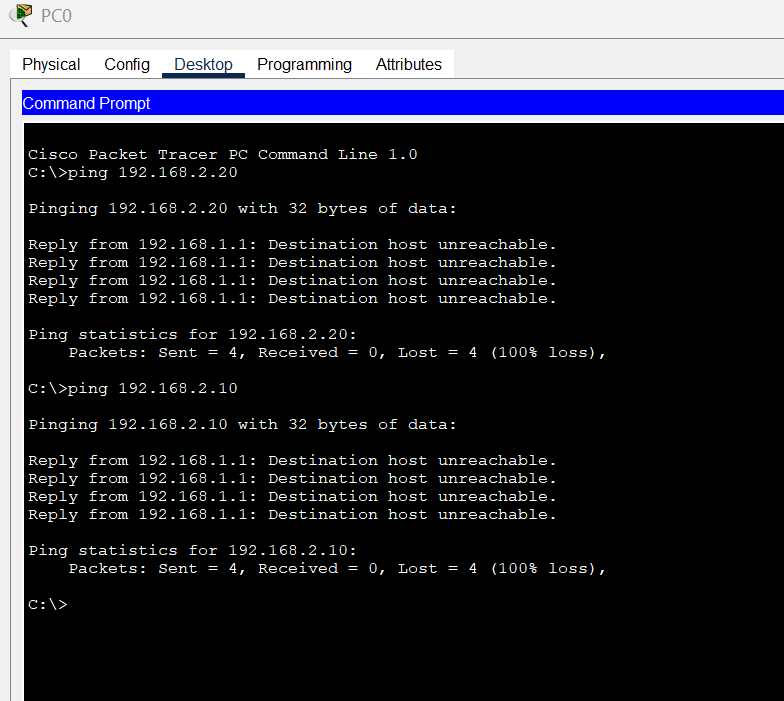
**2) Only allowing any one PC in the STUDENTS network (for example: as a CR communicates with teachers) to access and communicate with the Teachers network, blocking every other device in the Students network.**



**PC1 (CR) only communicates with Teacher:**



**Every other student device blocked:**



**Every teacher can communicate with the students:**

