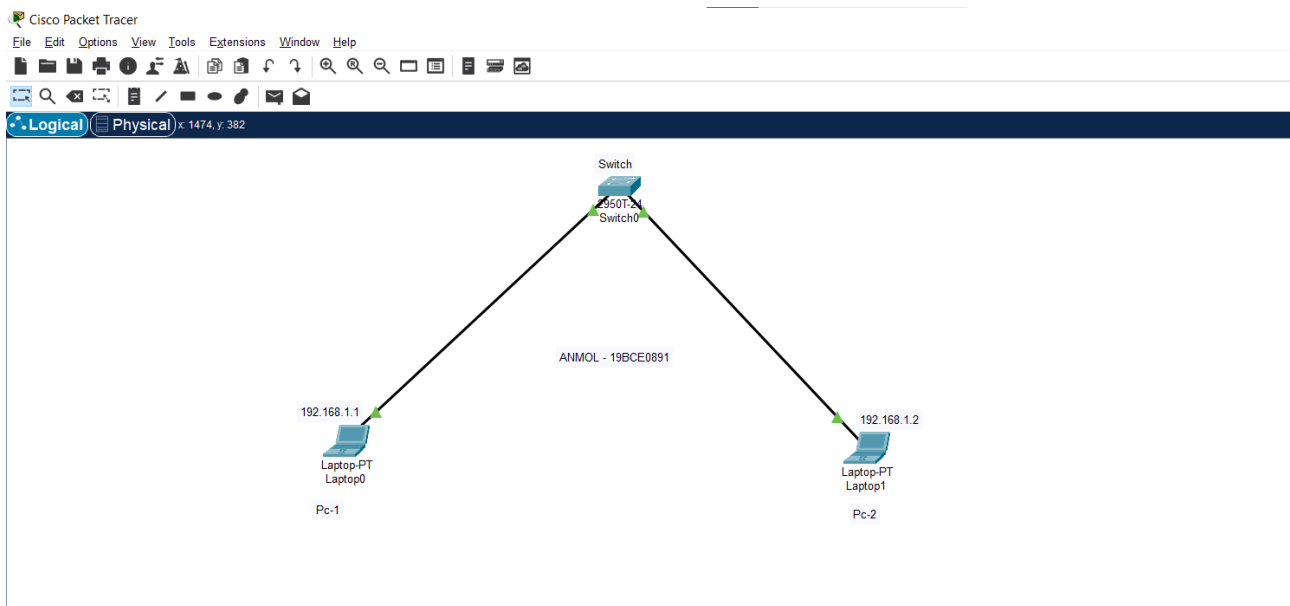


NAME – **ANMOL**  
REG. NO. - **19BCE0891**

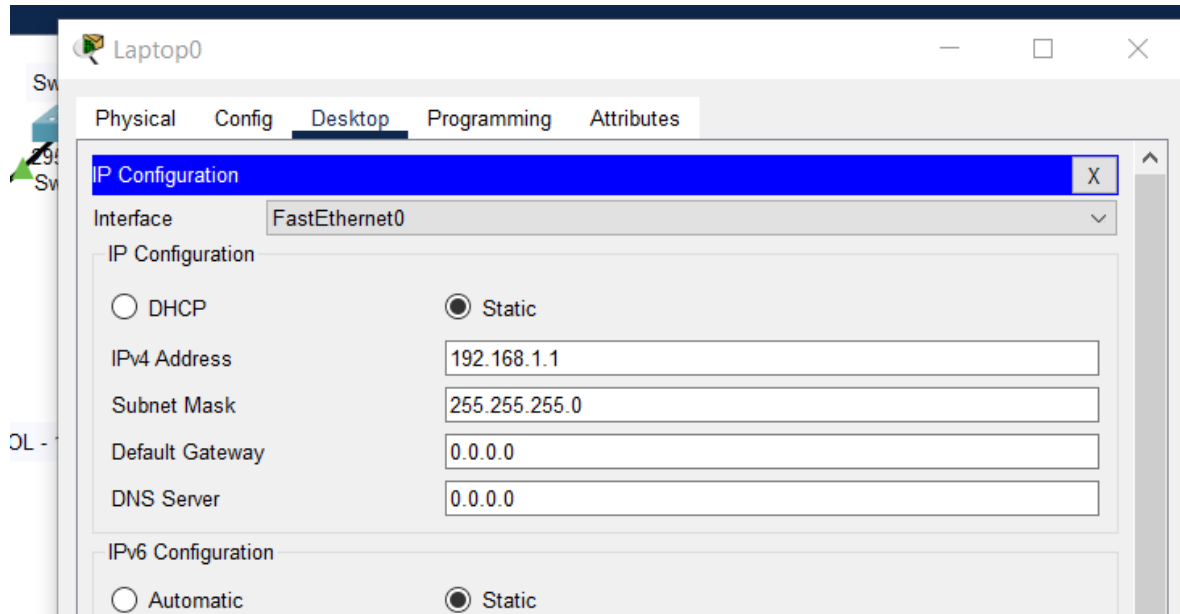
**DIGITAL ASSIGNMENT – 7**

**#7a - Prevent mac flooding attack in a network**

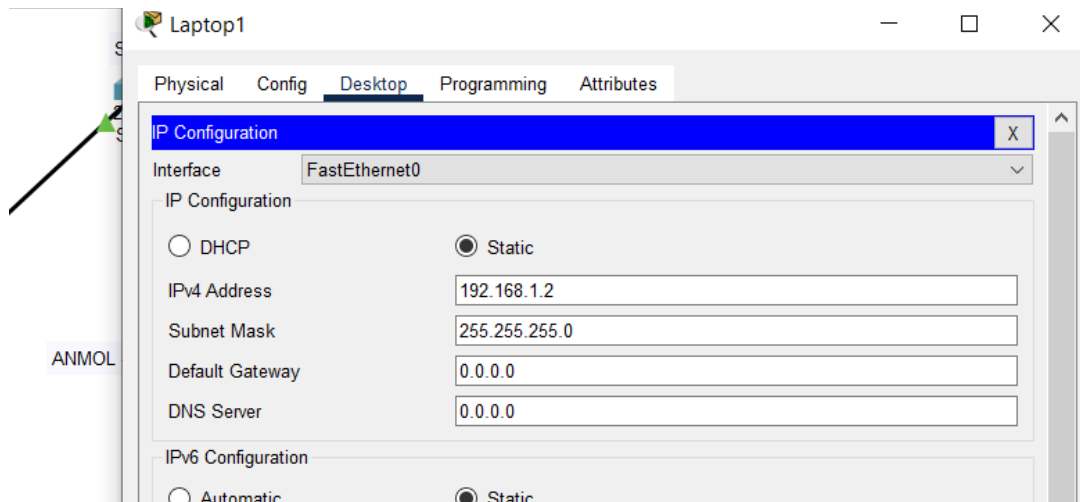
**NETWORK TOPOLOGY**



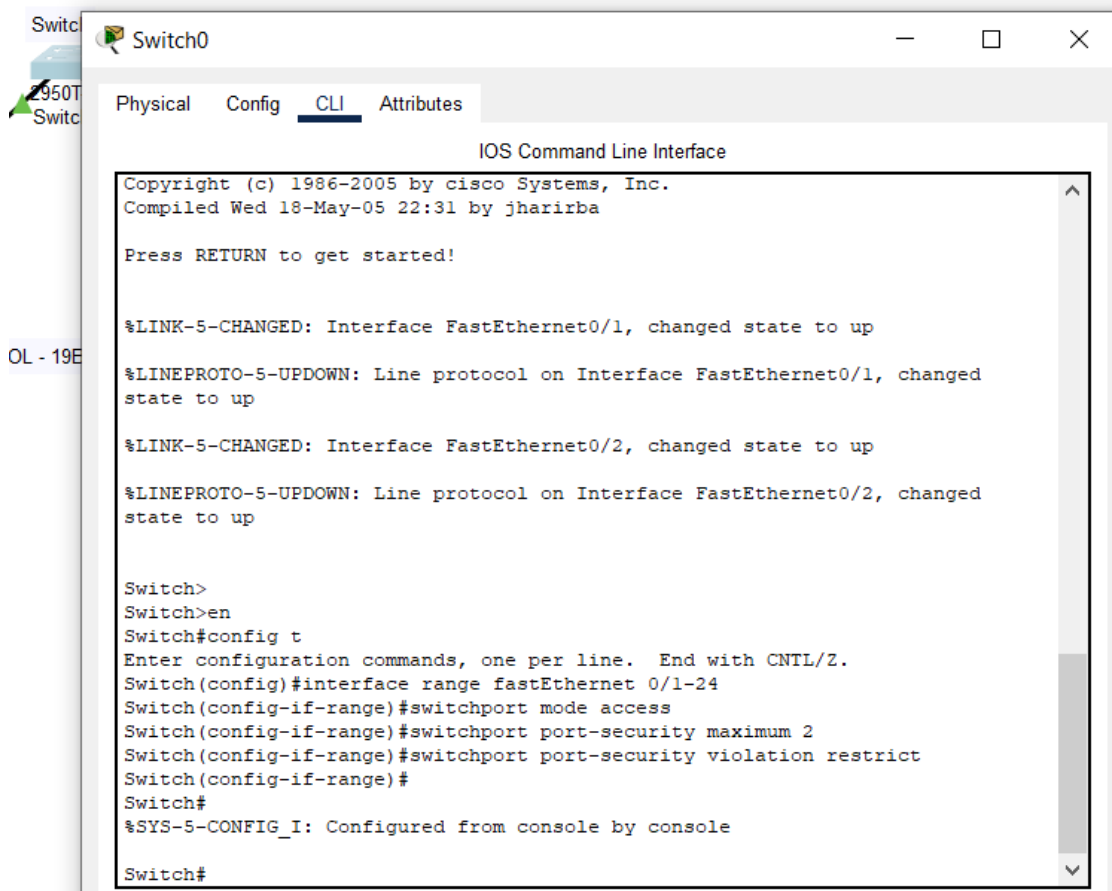
**Laptop0 configuration**



## Laptop1 configuration



## SWITCH CONFIGURATION



**CMD LINE CODE**

Switch&gt;

Switch&gt;en

Switch#config t

Enter configuration commands, one per line. End with CNTL/Z.

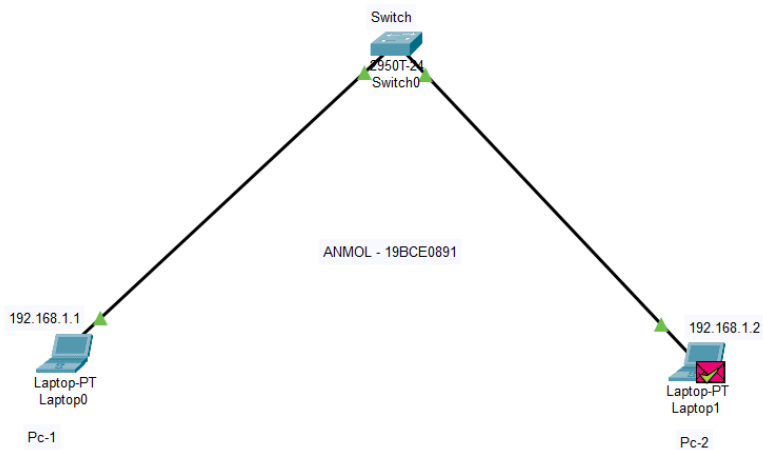
Switch(config)#interface range fastEthernet 0/1-24

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport port-security maximum 2

Switch(config-if-range)#switchport port-security violation restrict

Switch(config-if-range)#

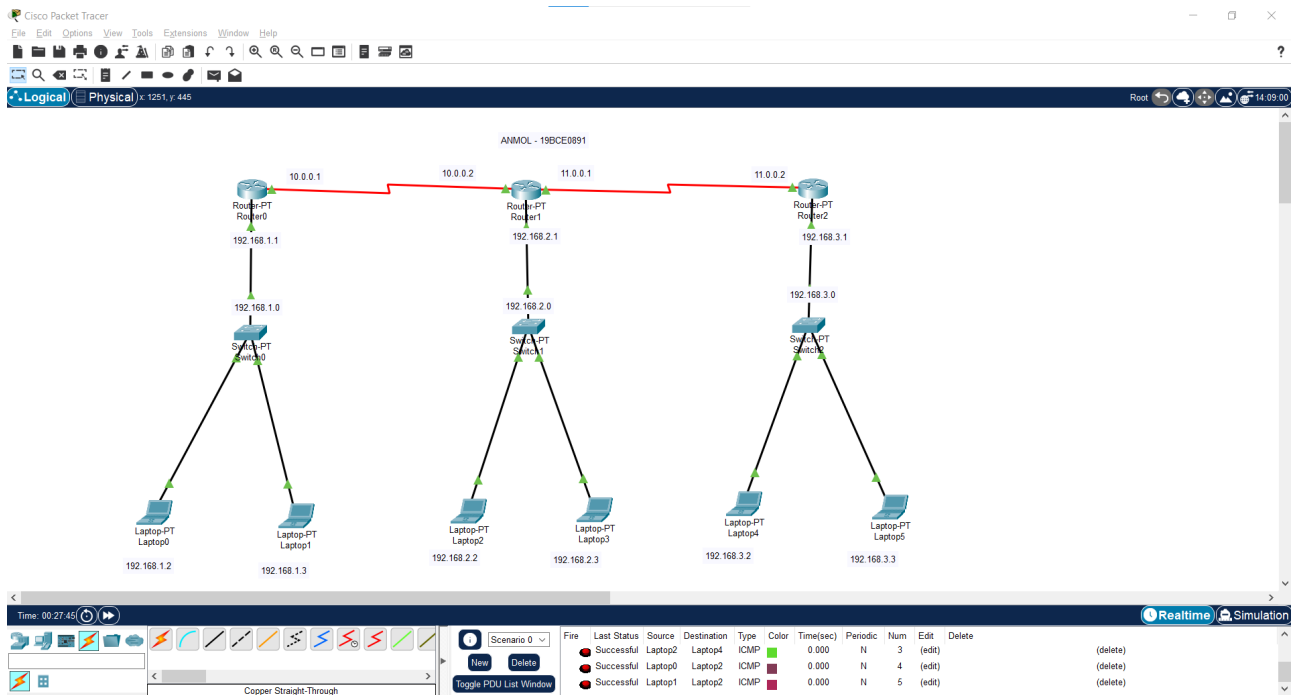
**OUTPUT**

Event List										
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful		Laptop0	Laptop1	ICMP	Blue	0.000	N	0	(edit)	(delete)
Successful		Laptop1	Laptop0	ICMP	Pink	0.004	N	1	(edit)	(delete)

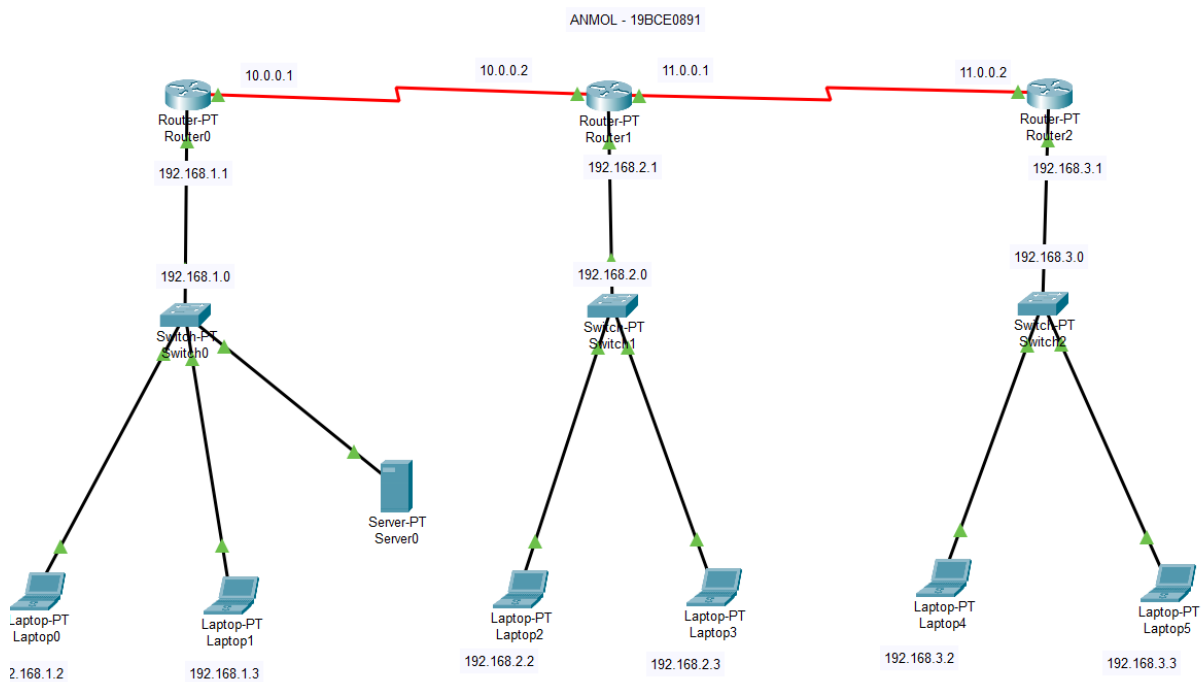
Event List Realtime Simulation										
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful		Laptop0	Laptop1	ICMP	Blue	0.000	N	0	(edit)	(delete)
Successful		Laptop1	Laptop0	ICMP	Pink	0.004	N	1	(edit)	(delete)

## #7b - Blocking ICMP and PING packet attack for all networks

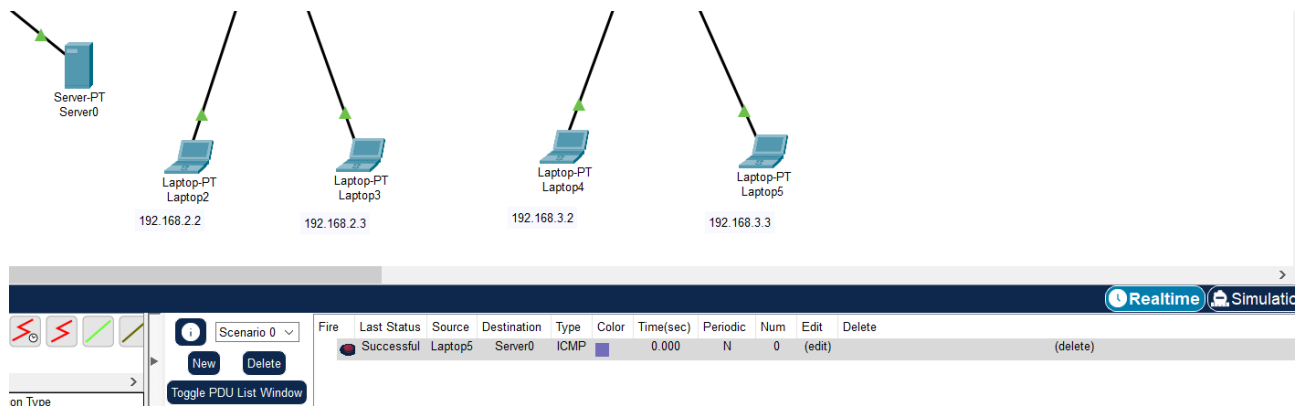
### NETWORK TOPOLOGY (RIP routing)



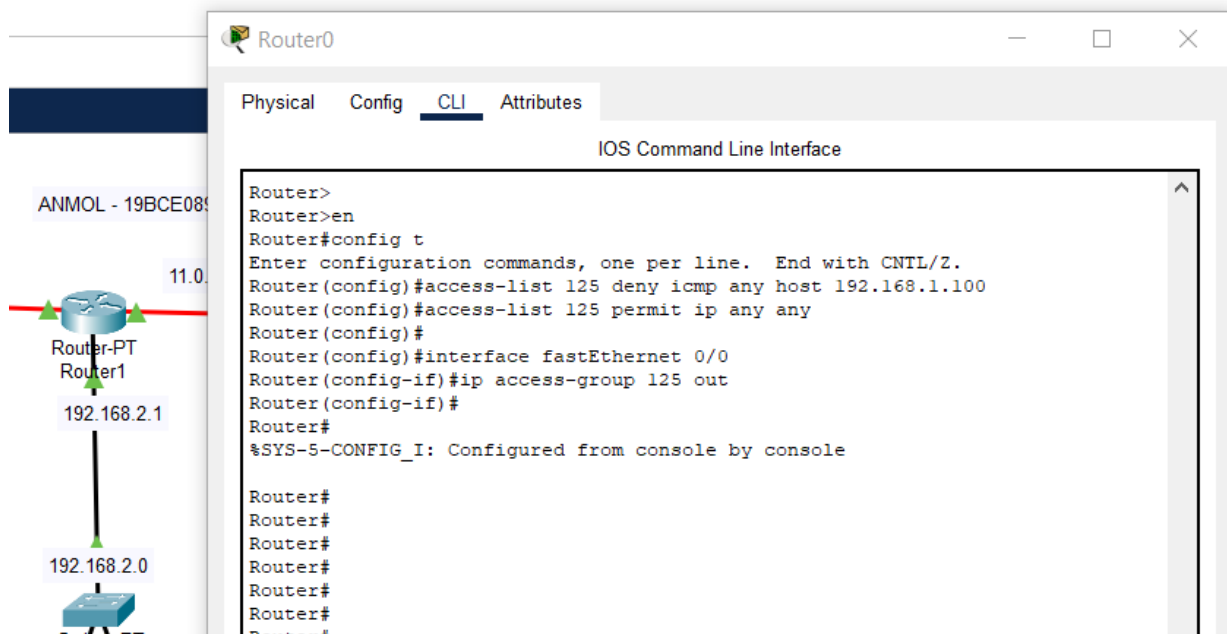
### TOPOLOGY (With server connected)



**Confirming server connected successfully (status successful of packet sent as shown)**



**Router0 Configuration**



**CMD line CODE**

Router>

Router>en

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#access-list 125 deny icmp any host 192.168.1.100

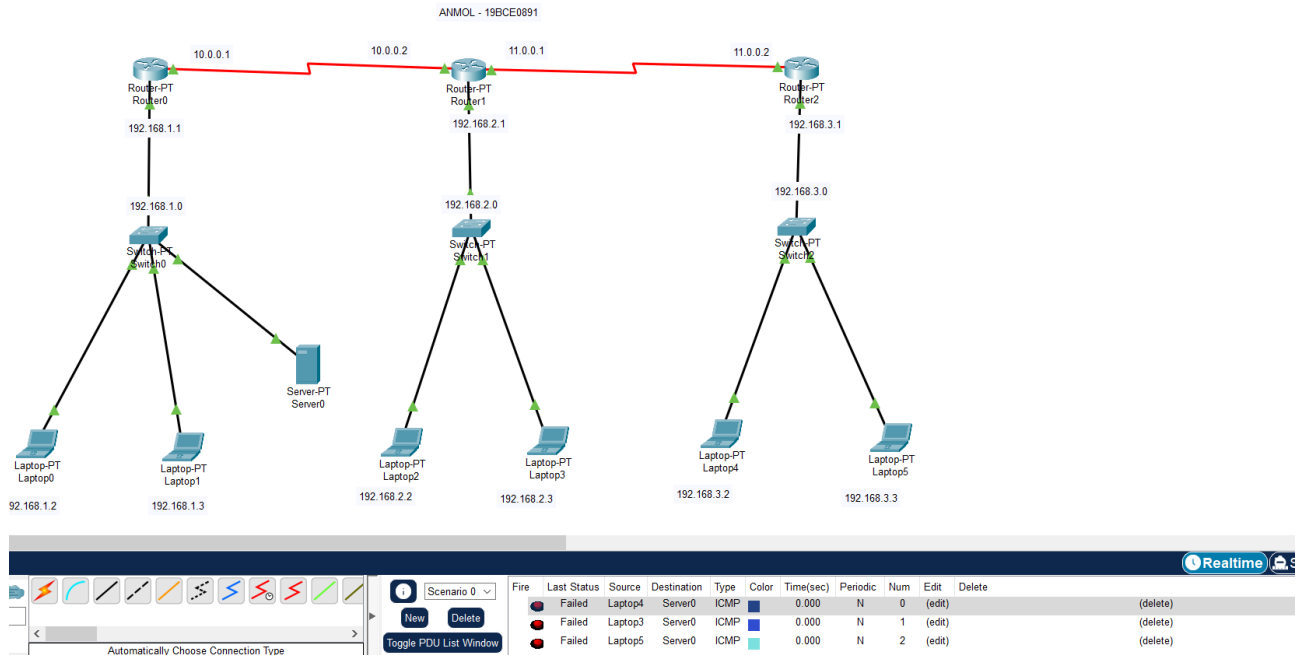
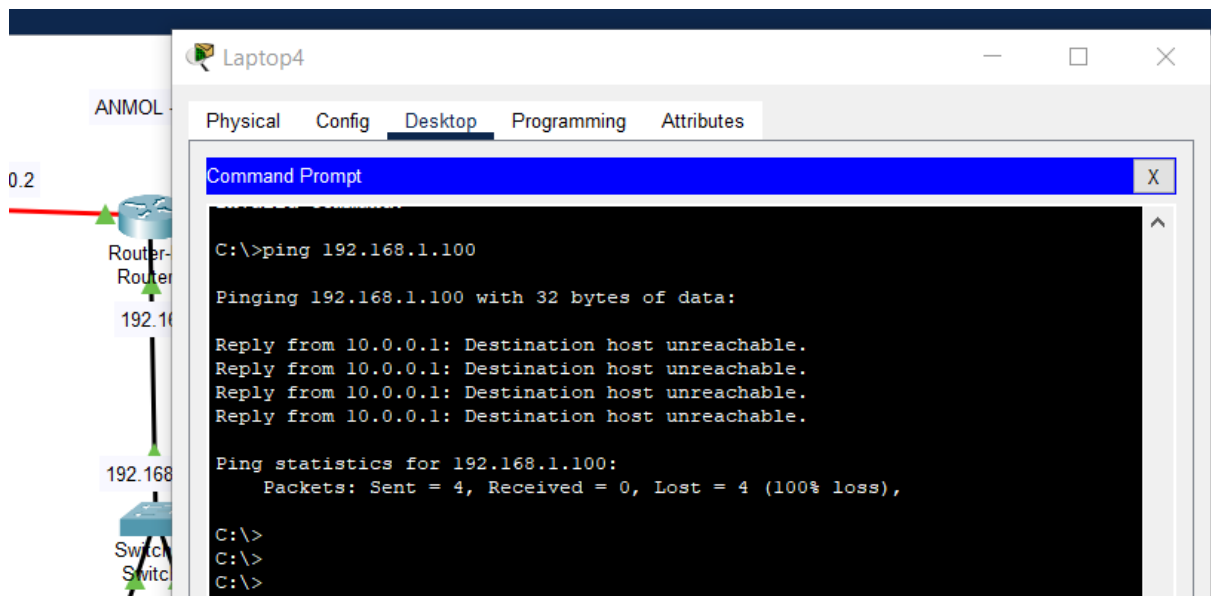
Router(config)#access-list 125 permit ip any any

Router(config)#

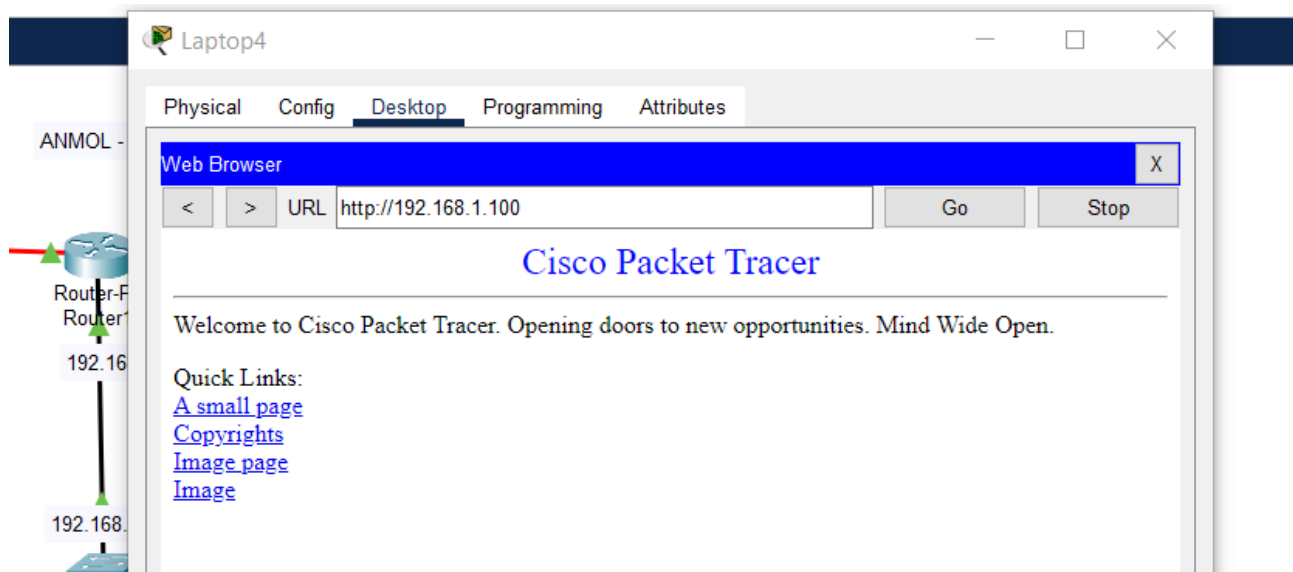
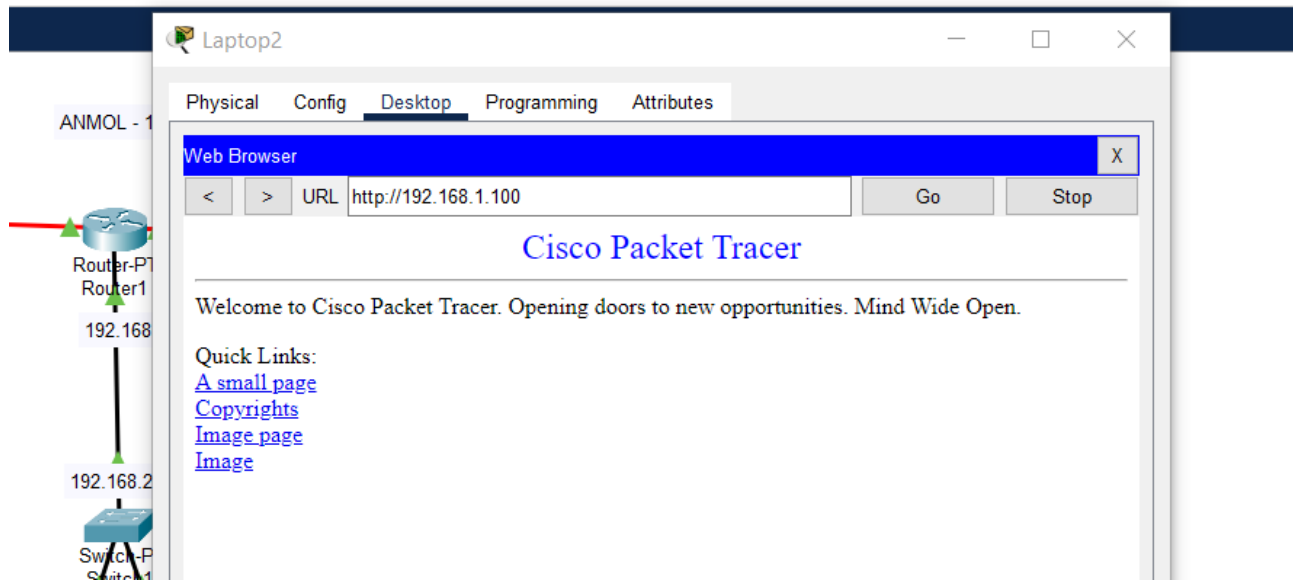
Router(config)#interface fastEthernet 0/0

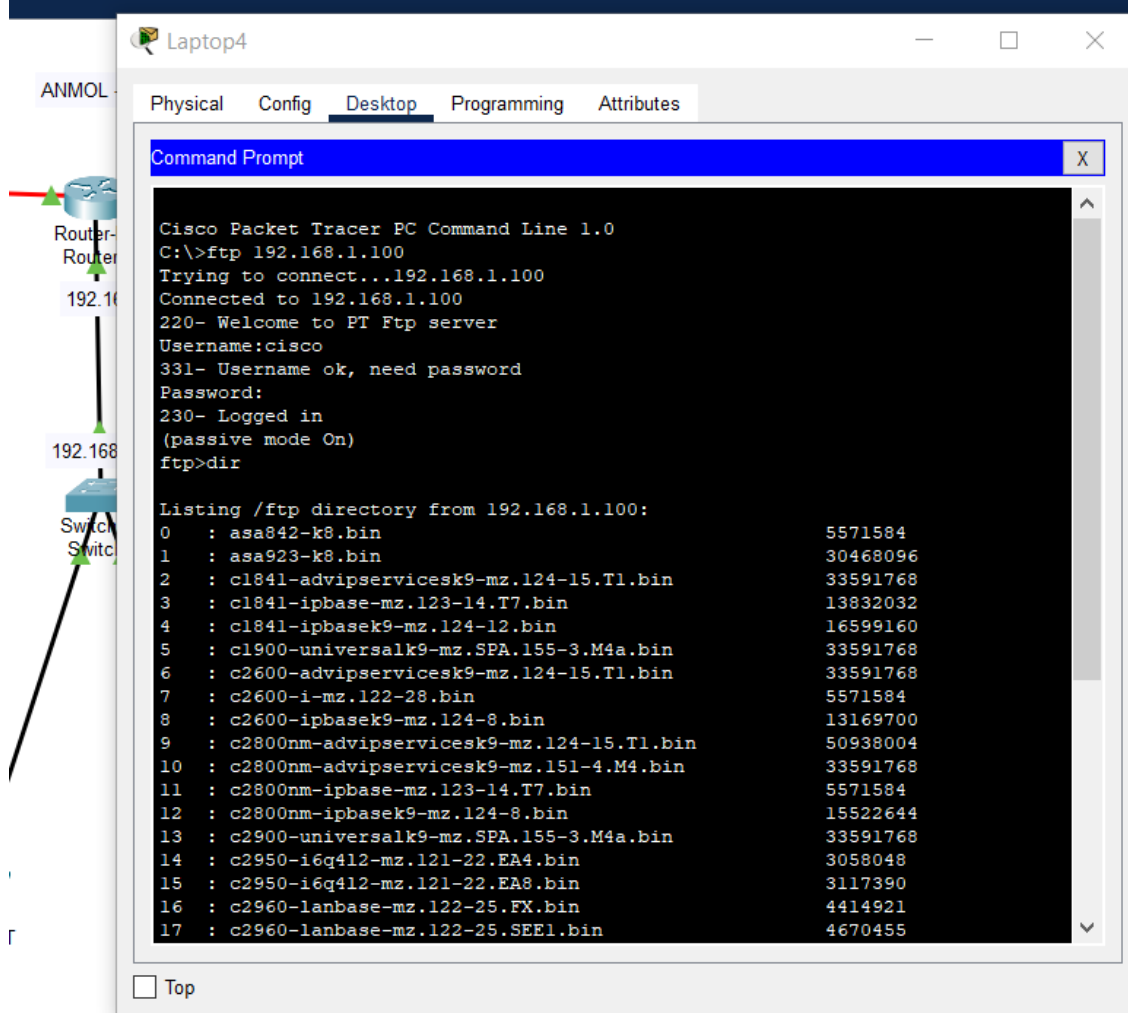
Router(config-if)#ip access-group 125 out

Router(config-if)#

**FAILED ICMP packets (status as shown after icmp deny in access-list)****Ping Failed**

(web browser working successfully)



**FTP working successful**

**\*FROM Above it seen ICMP and PING blocked and Others working fine**