

Computer Networks (CL3001)



CN LAB 04

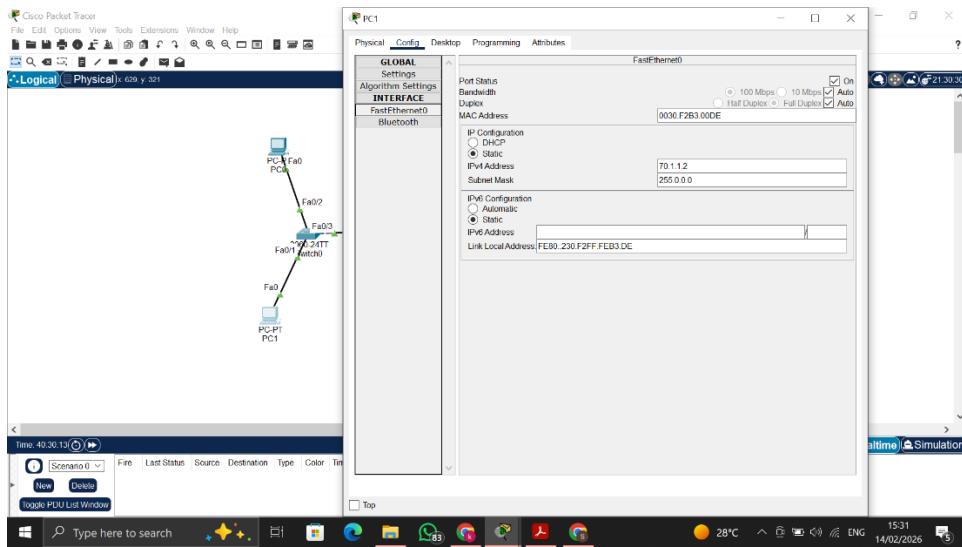
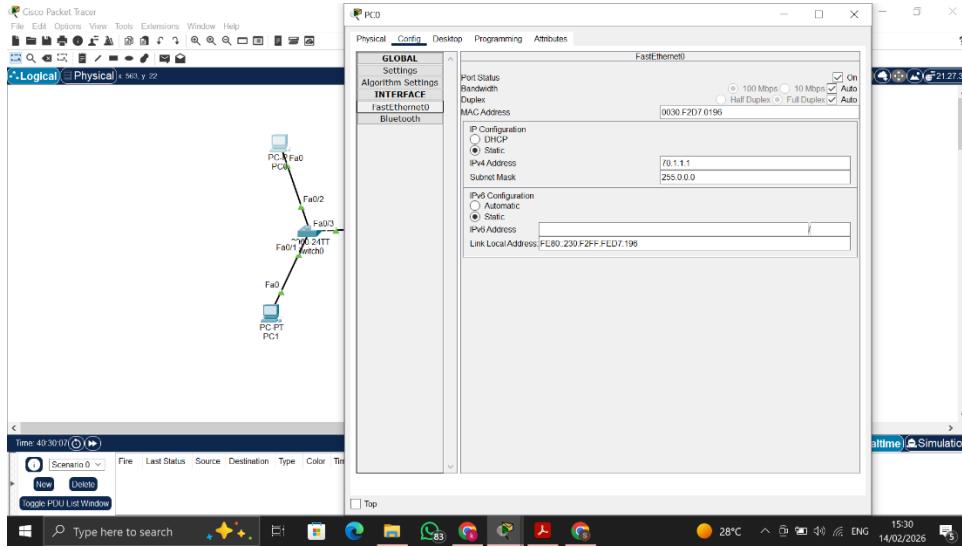
Submitted by:
Syeda Sara Ali
23K-0070
BS-AI (6A)

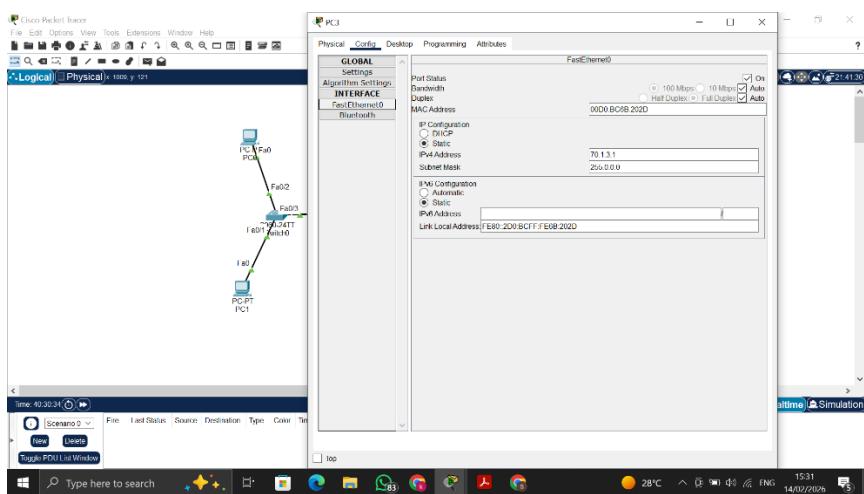
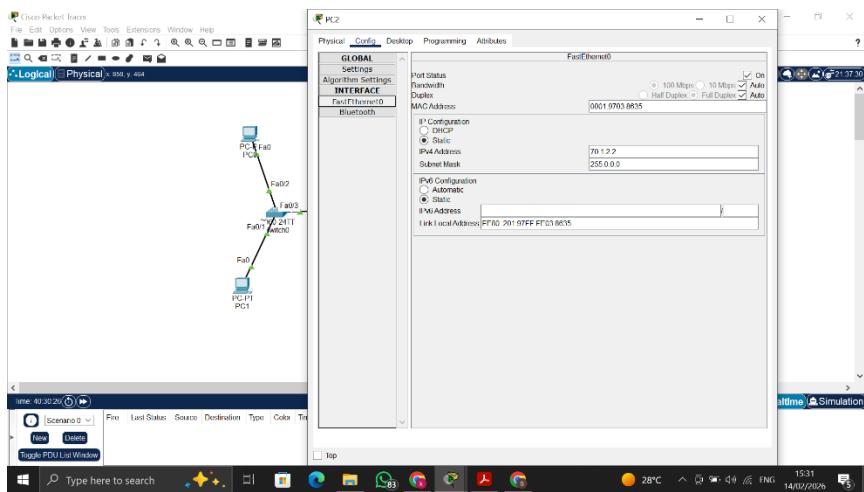
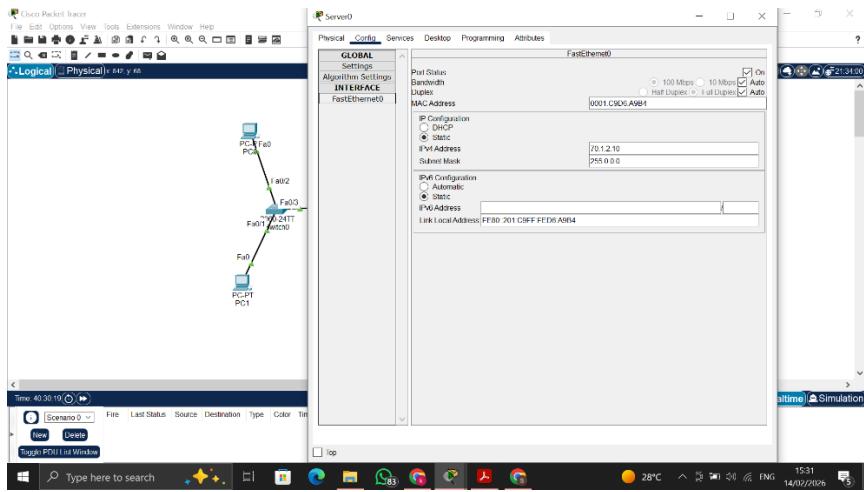
Submitted to:
Sir Sameer Faisal

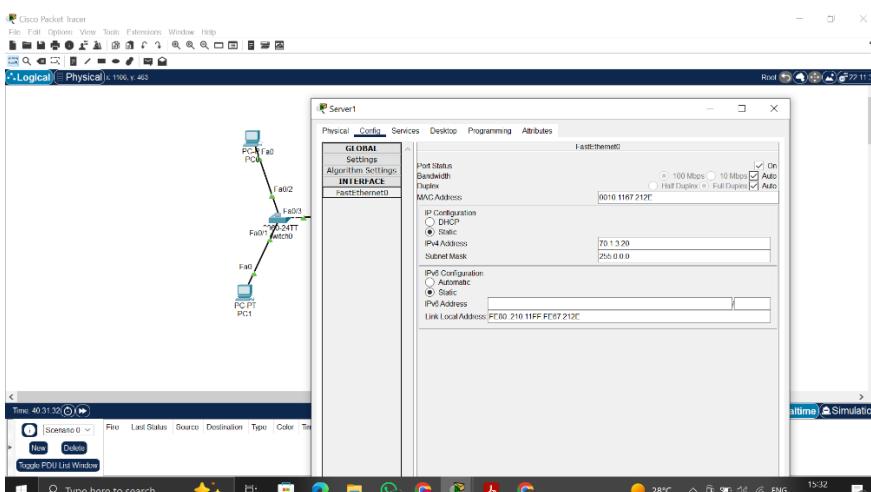
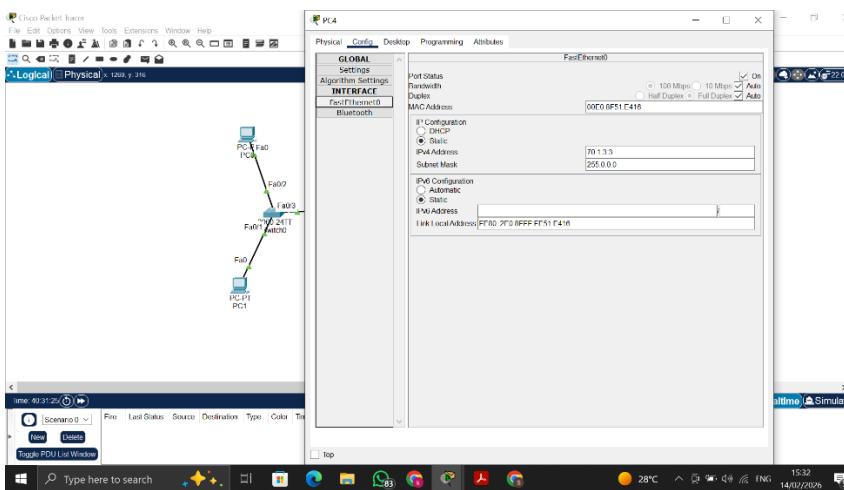
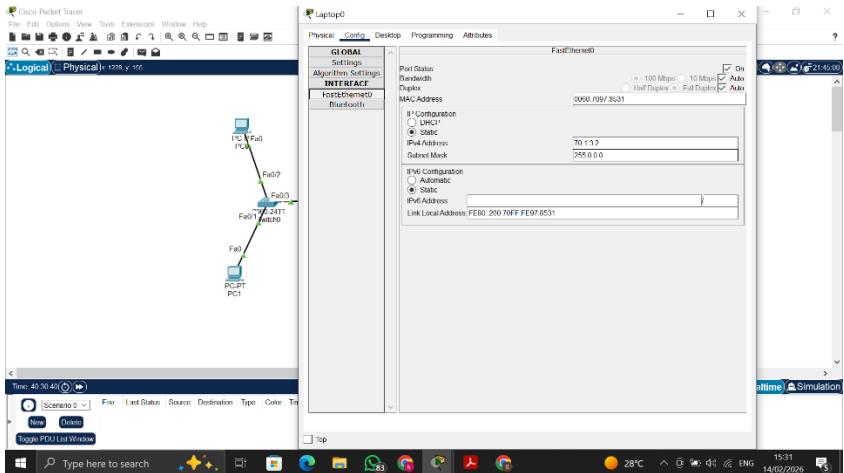
Lab Tasks 1:

- 1) Assign an IP to the computers. The Network should like this XX.XX.YY.0. i.e. your roll number like 3879(38.79.1.0) and for all other networks Y should be replaced by 2, 3 and so on.

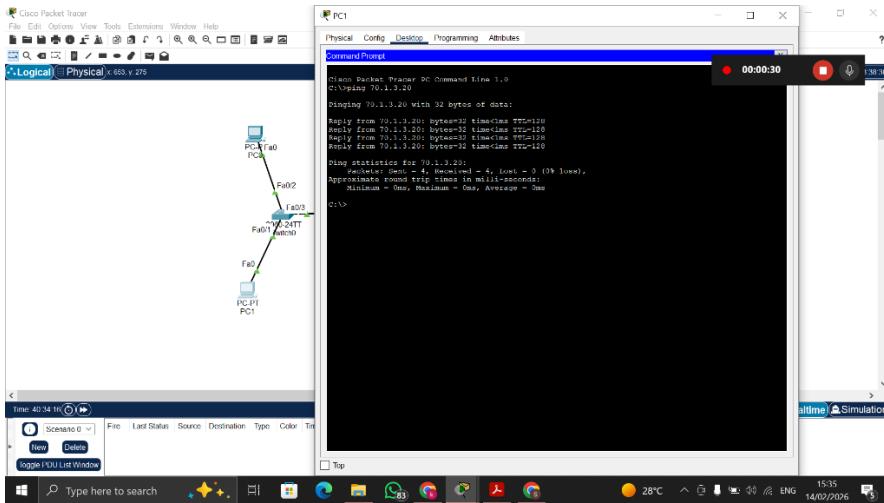
My roll no is: 0070 00.70 was an invalid IP, so instead I use the network as 70.0.0.0
Moreover, in this topology, there was only one network.



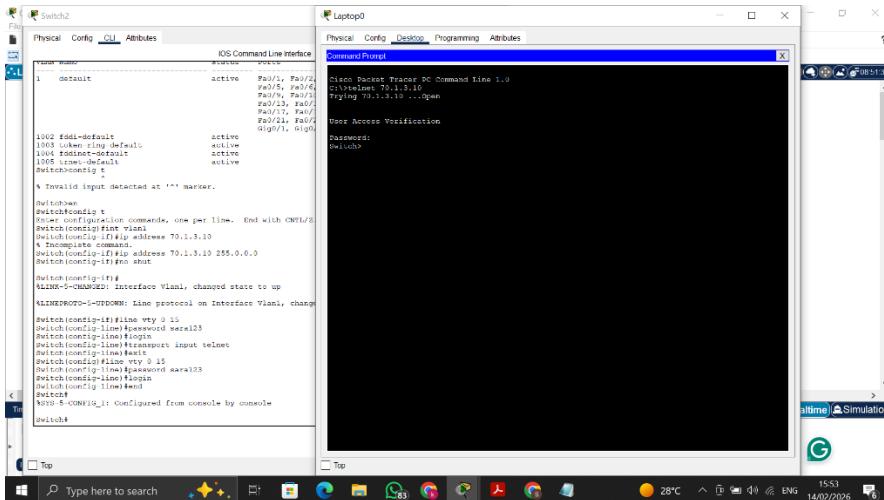




2) Ping the server from any computer.



3) Verify the telnet connection from all switches nearest to the computer.



```
Switch2
Physical Config CLI Attributes

EUS Command Line Interface

1030 Vlan1<defaut>          enable
1031 Vlan2<defaut>          enable
1034 Ethernet<defaut>        enable
1035 trunk<defaut>          enable
PortFast<defaut>           enable

# Invalid input detected at '***' marker.

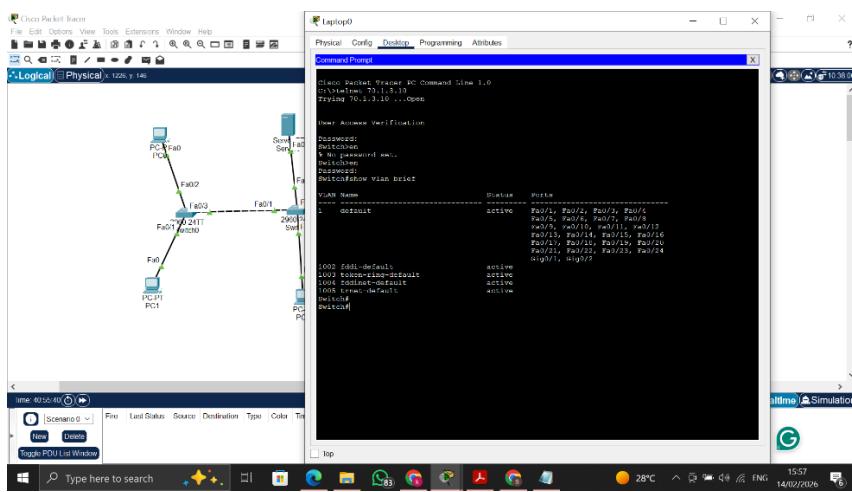
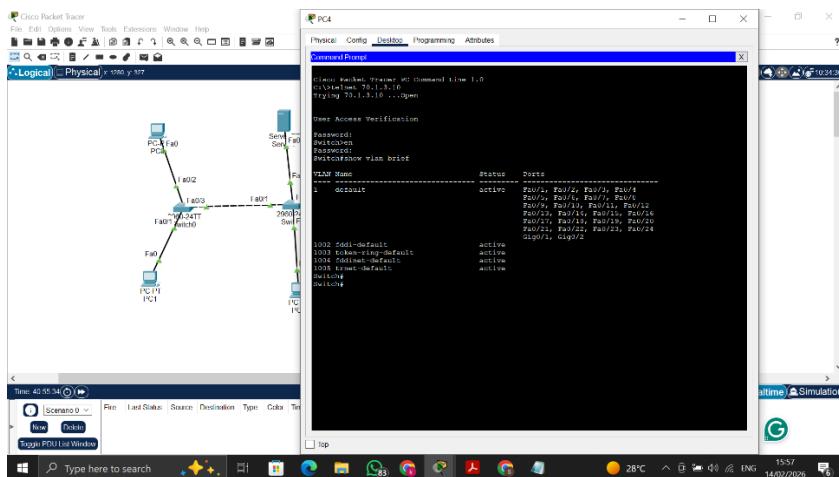
Switches
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch#config#int vlan1
switch(config-if)#ip address 70.1.3.10
  Subnet mask 255.255.255.0
switch(config-if)#ip address 70.1.3.10 255.0.0.0
switch(config-if)#no shutdown
switch(config-if)#
switch#exit
switch#>CHANGED: Interface Vlan1, changed state to up

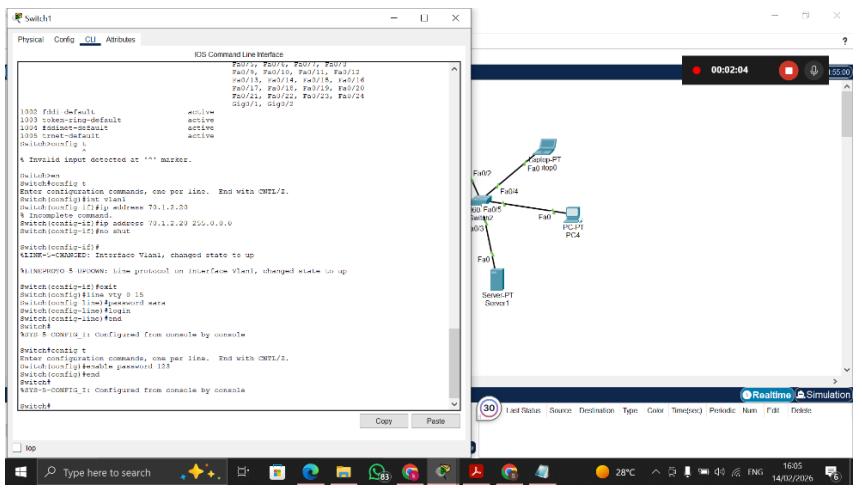
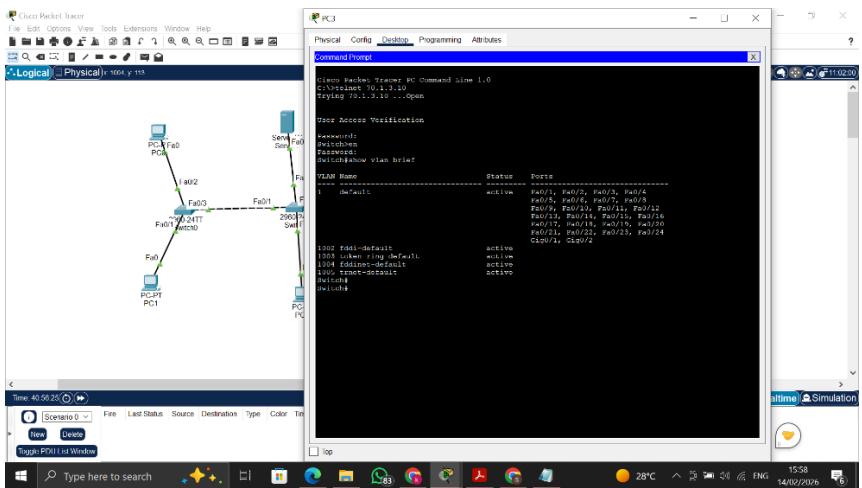
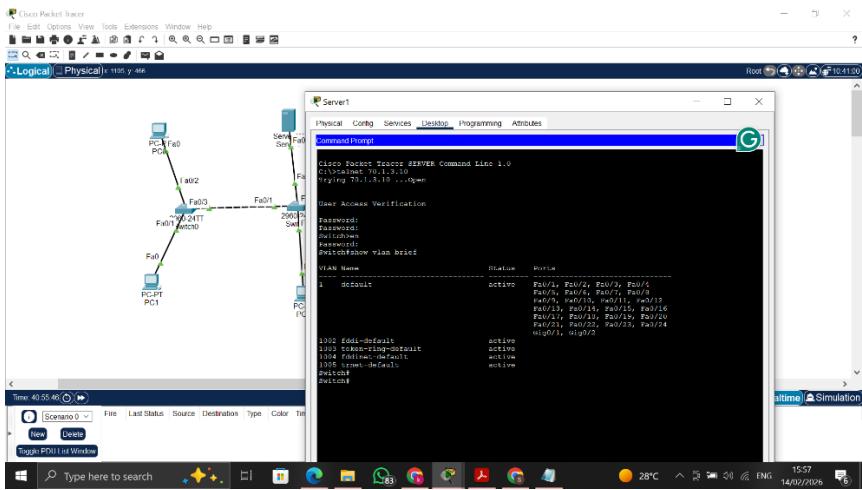
VLANIF0/0/0-5<CHANGED: Line protocol on Interface Vlan1, changed state to up

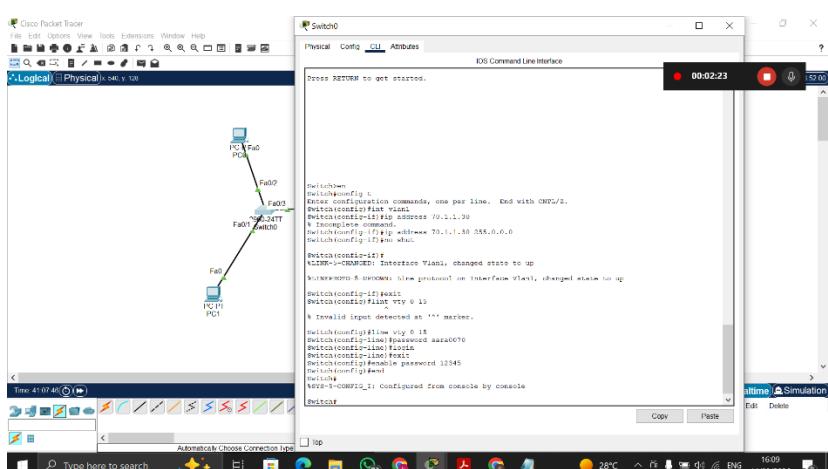
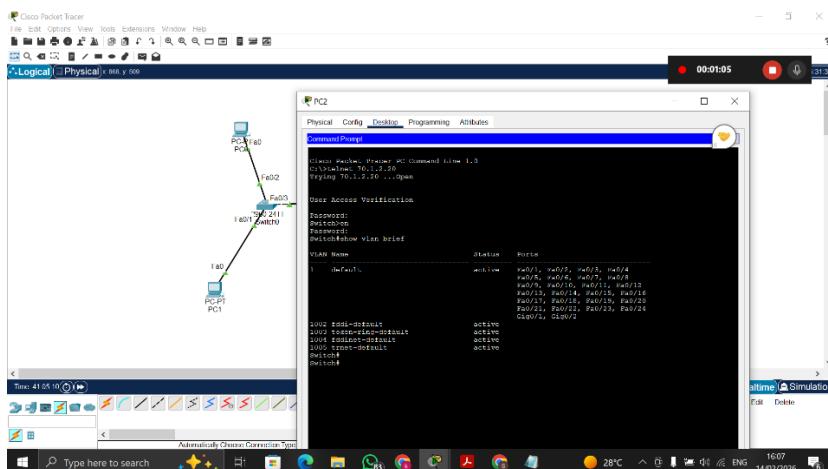
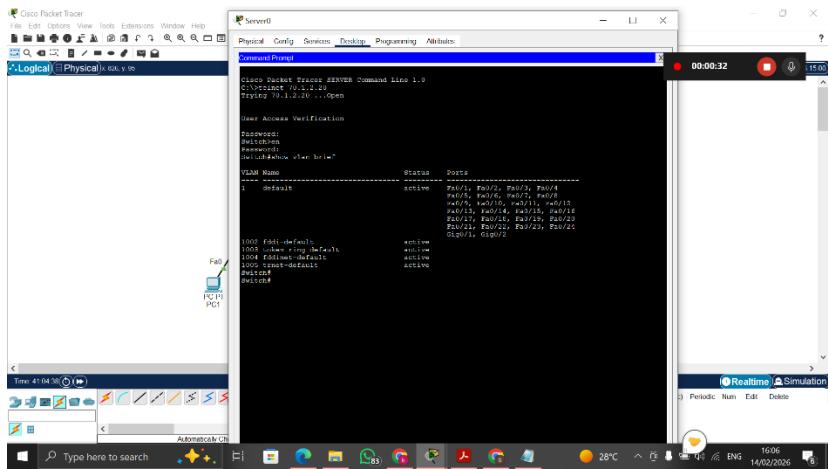
Switch#config#int vty 0 15
Switch#config#line #password serial23
Switch#config#line #password enable1234
Switch#config#report input telnet
Switch#config#int vty 0 15
Switch#config#line vty 0 15
Switch#config#password serial23
Switch#config#password enable1234
Switch#config#end
Switch#exit
Switch#>CHANGED: Configured from console by console

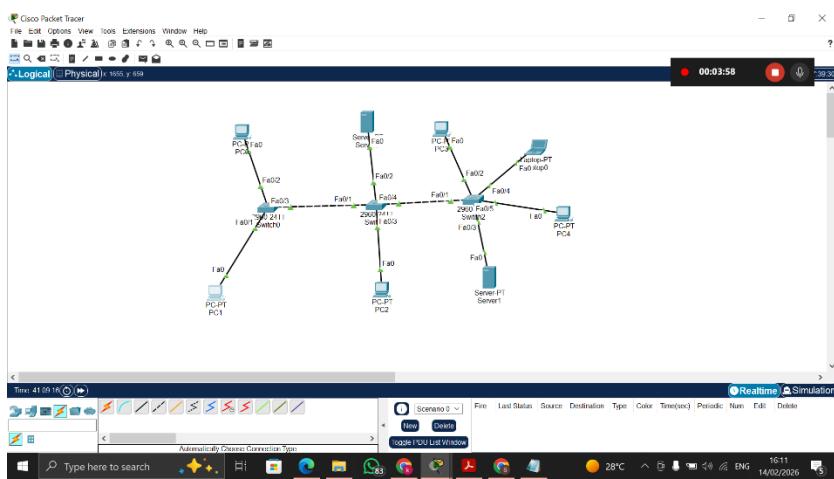
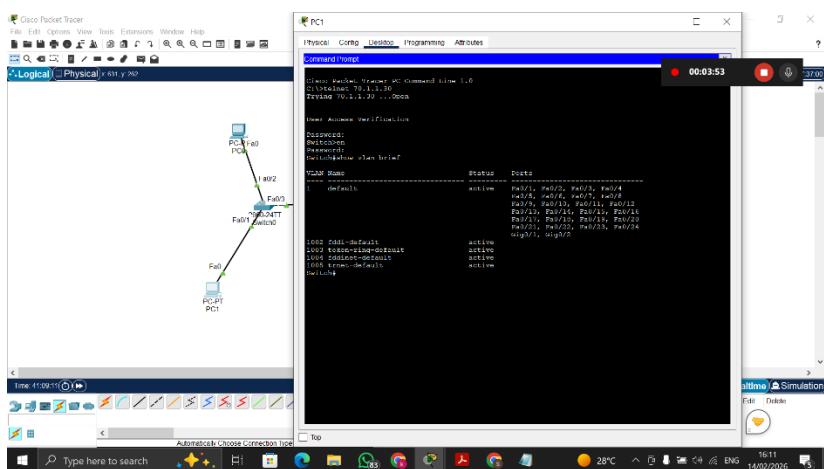
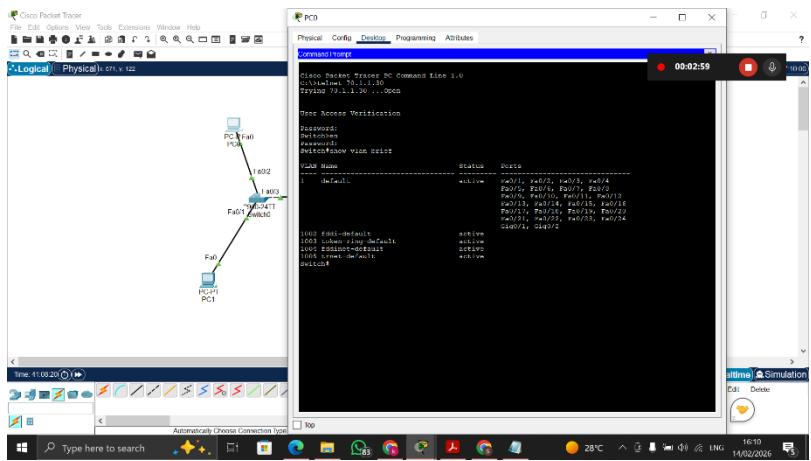
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
switch#config#enable password 1234
switch#config#end
switch#exit
switch#>CHANGED: Configured from console by console

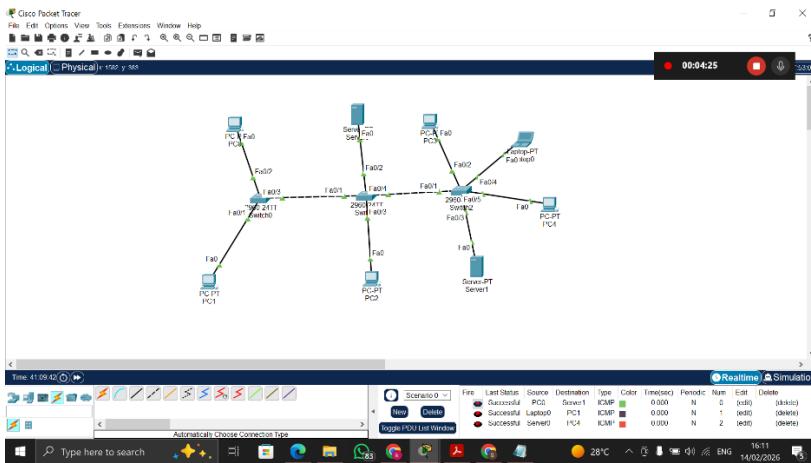
Switch#
```



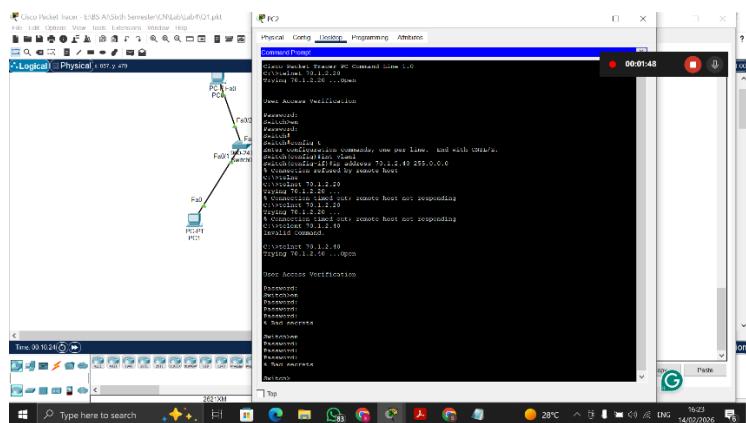




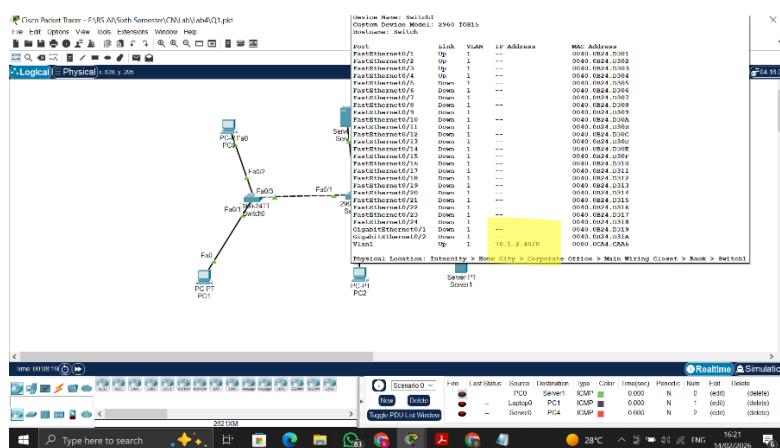




4) Do change the IP of Switch2 from PC2 using its command prompt.

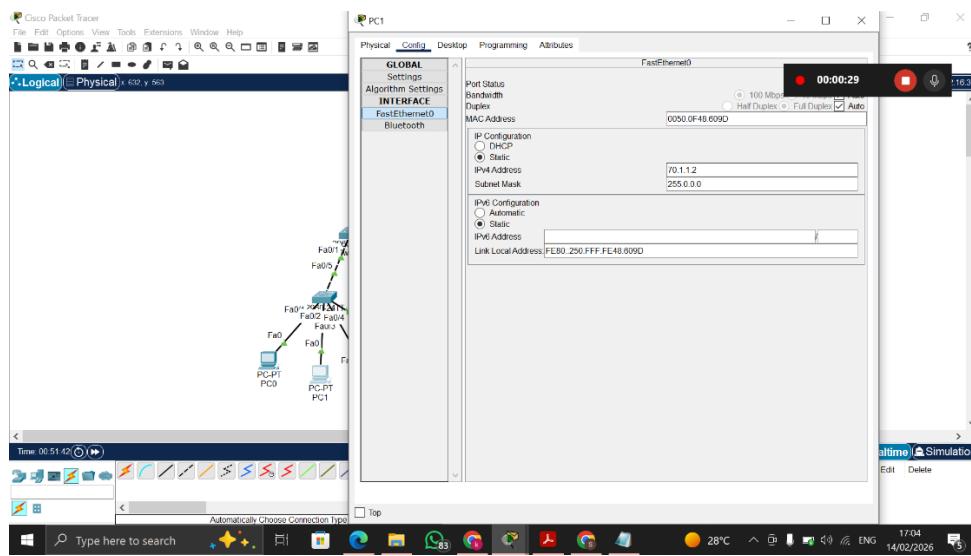
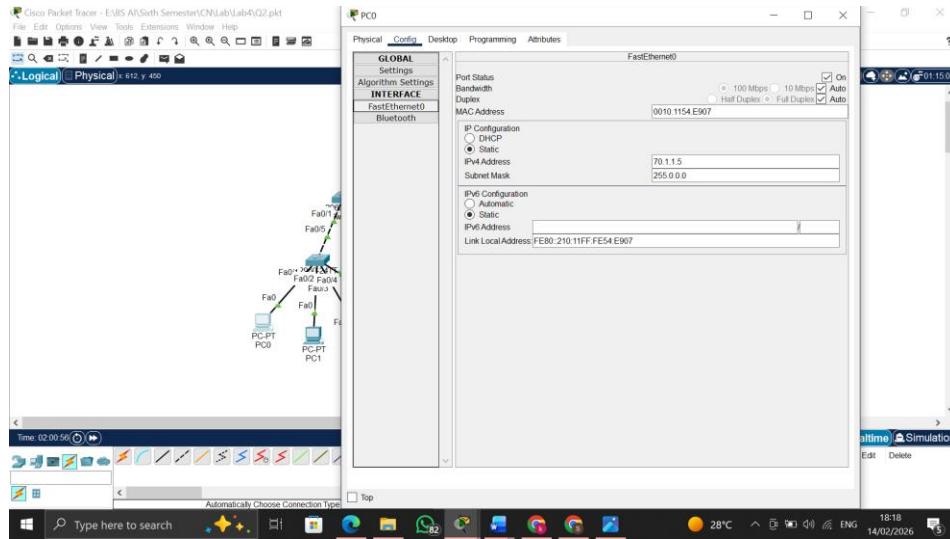


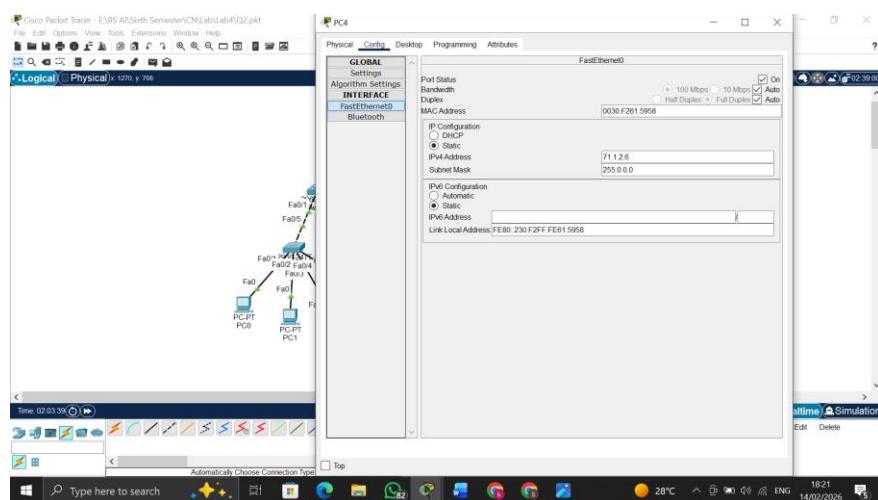
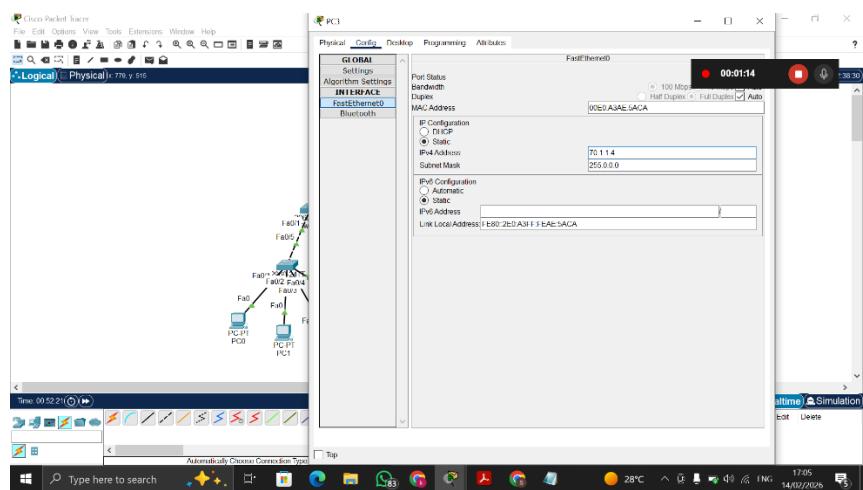
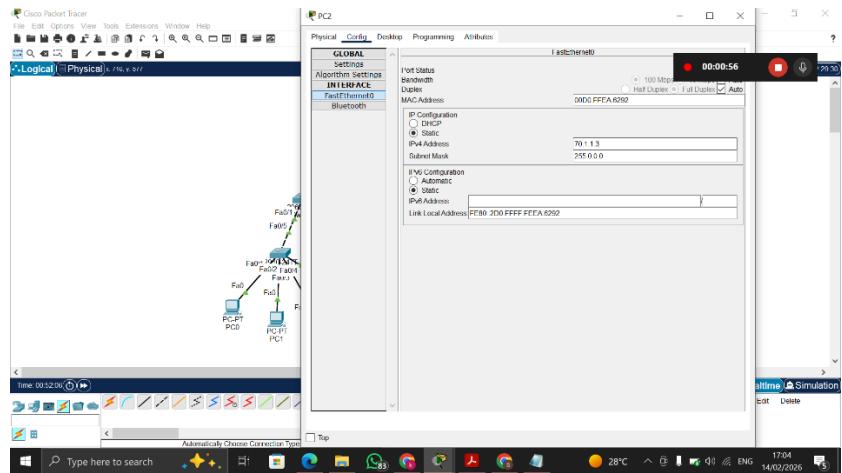
The IP was changed:

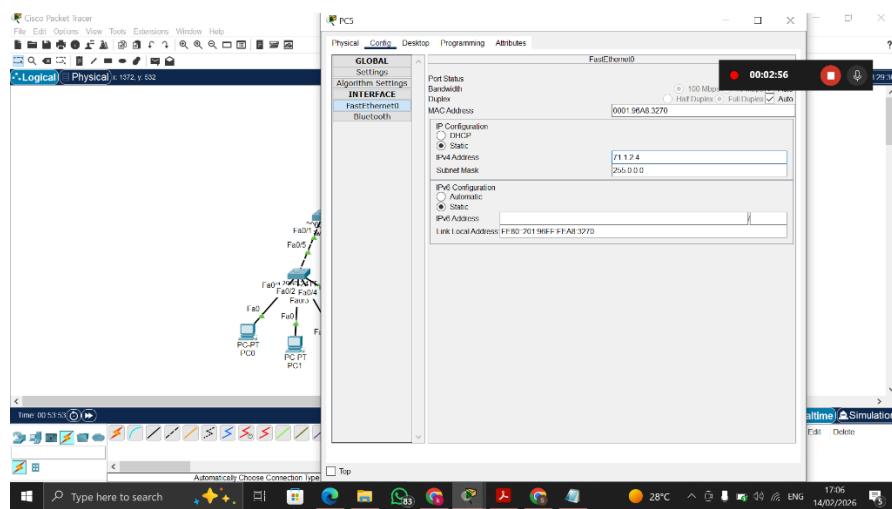
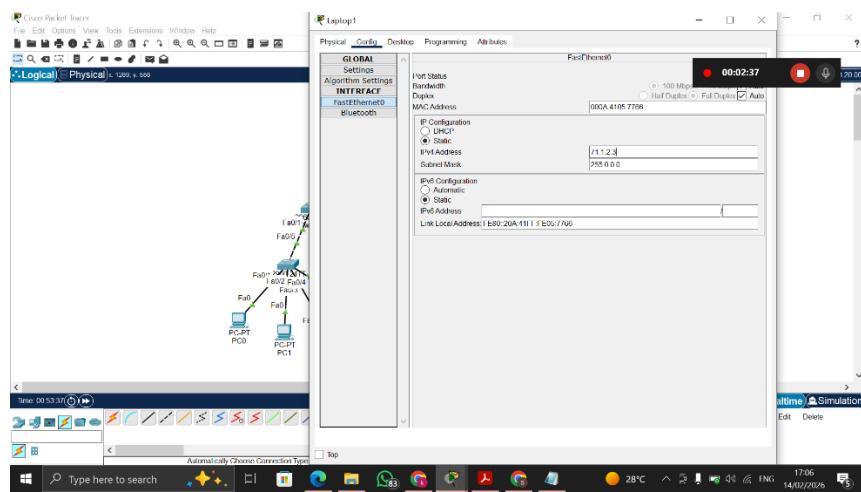
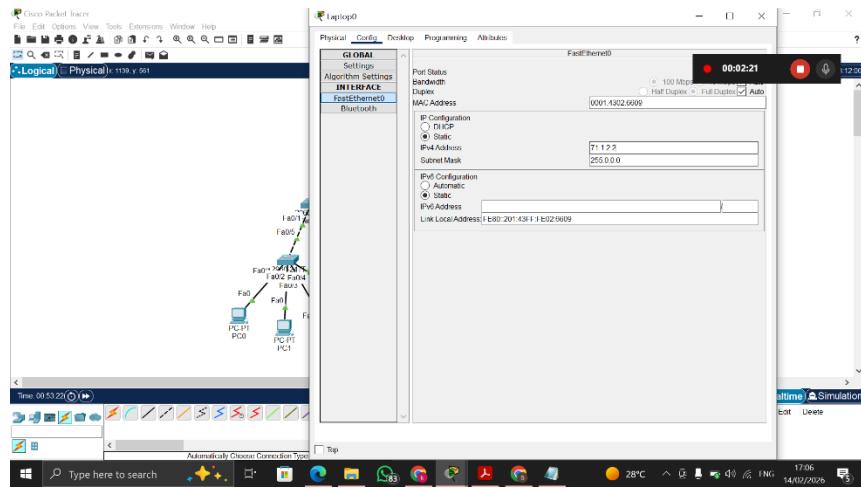


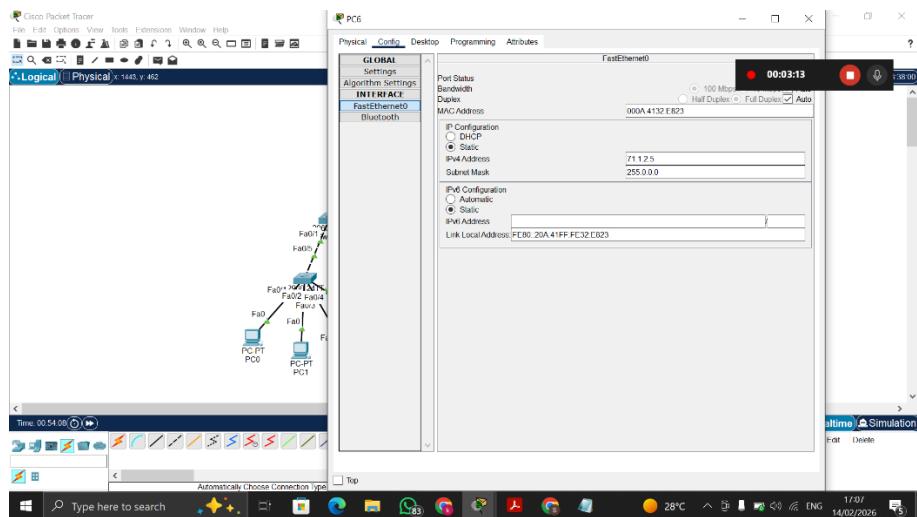
Lab Tasks 2:

- 1) The IPs should be assigned to the computer using a static method and to the router using CLI. The Network on one side of FastEthernet should be XX.XX.YY.0, i.e., your roll number, such as 3879 (38.79.1.0), and on the other side, it should be 3880 (38.80.2.0).









- 2) Verify SSH and assign an IP to another interface of the router. It should be done through laptop 0. Take a screenshot of it.

