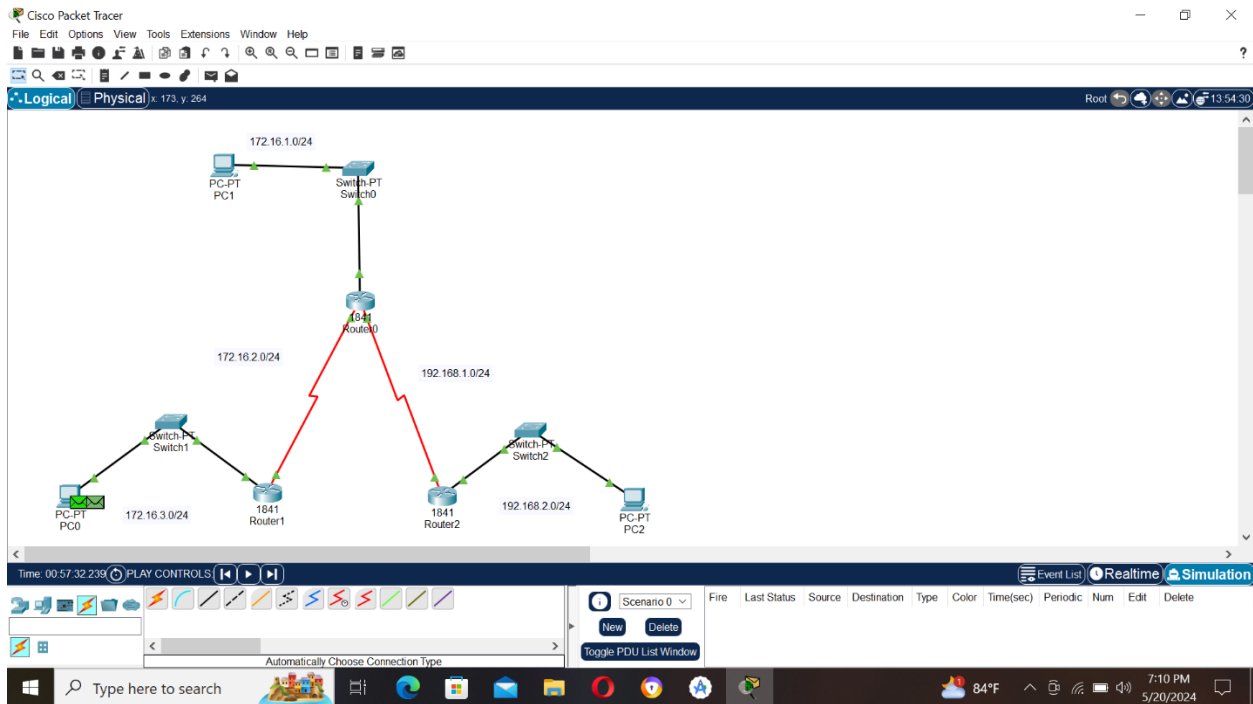


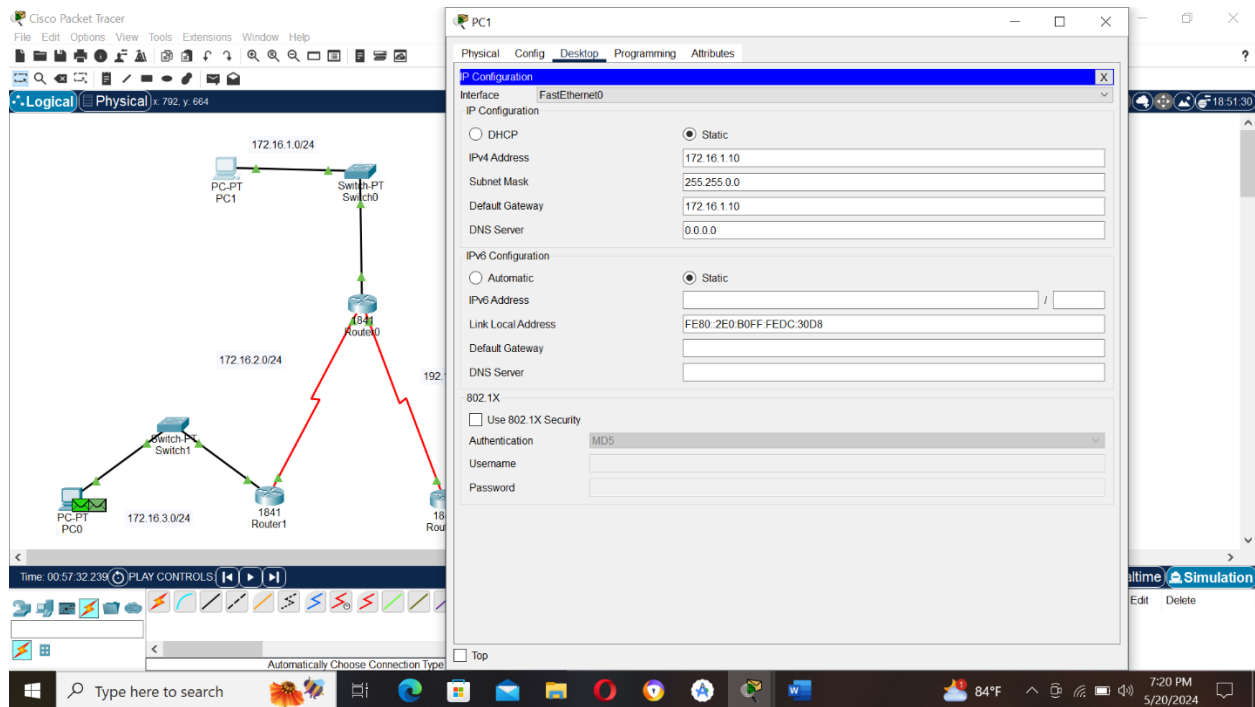
# Data Communication AND Networker

## Assignment NO 2,

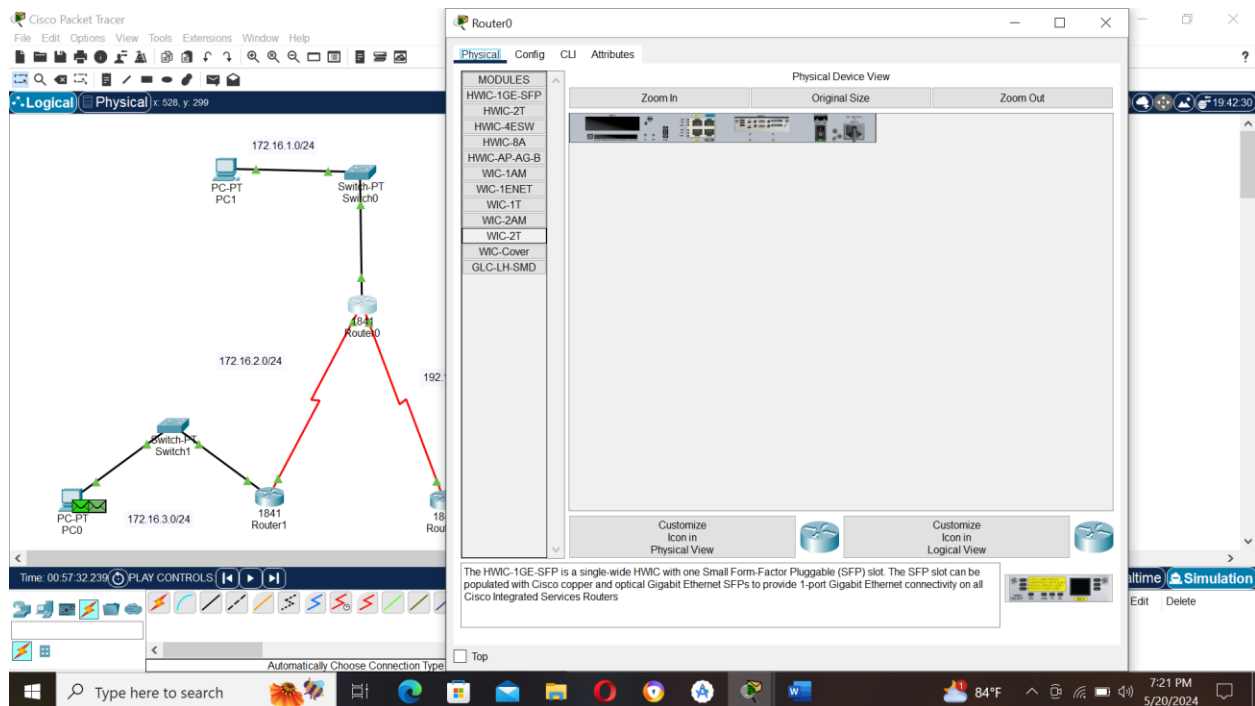
- First one drag and drop the 3 Routers.
- Second one drag and drop the 3 Switch.
- Third one drag and drop the 3 computers.
- Next note the IP Address Router and PC.
- Then connect the automatically Choose Connection Type Cable in this Switch, Router and PC.



- Next IP Configuration All PC.



- Then drag the WIC-2T, in this Picture.



- Then CLI command type initial Configuration in 3 Routers .

The screenshot shows the Cisco Packet Tracer interface with a network diagram on the left and the CLI configuration for Router0 on the right. The network diagram includes PC-PT PC1, Switch-PT Switch0, PC-PT PC0, Switch-PT Switch1, and Router1. The CLI window displays the following configuration commands:

```

Router>en
Router>enable
Router#conf t
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int f
Router(config)#interface fastEthernet 0/0
Router(config-if)#ip add
Router(config-if)#ip address 172.16.1.0 255.255.0.0
Router(config-if)#shut
Router(config-if)#shutdown
Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#exit
Router(config)#int f
Router(config)#interface fastEthernet 0/1
Router(config-if)#ip add
Router(config-if)#ip address 172.16.3.0 255.255.0.0
Router(config-if)#shut
Router(config-if)#shutdown
Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#exit
Router(config)#int f
Router(config)#interface fastEthernet 0/0
Router(config-if)#ip add
Router(config-if)#ip address 192.068.2.0 255.255.255.0
Bad mask /24 for address 192.68.2.0
Router(config-if)#shut
Router(config-if)#shutdown
Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#no shut
Router(config-if)#no shutdown

Router(config-if)#wr
Router(config-if)#write
  
```

The screenshot shows the same Cisco Packet Tracer interface as the previous one, but with the CLI configuration for Router0 updated to include the 'show ip interface bri' command output. The output shows the status of the interfaces and the line protocol:

```

Router(config)#wr
Router(config)#write
% Invalid input detected at '^' marker.

Router(config)#wr
Router(config)#wr
% Invalid input detected at '^' marker.

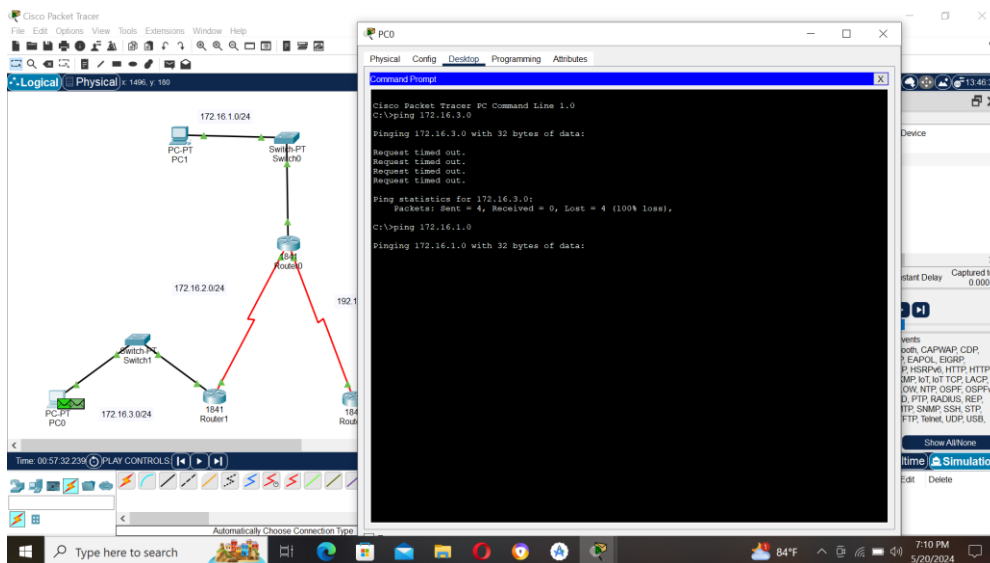
Router(config)#exit
Router#wr
Building configuration...
[OK]
Router#show ip interface bri
Interface      IP-Address      OK? Method Status      Protocol
FastEthernet0/0 172.16.1.0      YES manual up          up
FastEthernet0/1 172.16.3.0      YES manual up          down
Serial0/0/0     unassigned      YES unset  administratively down down
Serial0/0/1     unassigned      YES unset  administratively down down
Vlan1           unassigned      YES unset  administratively down down

Router#
Router#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%SYS-5-CONFIG_I: Configured from console by console

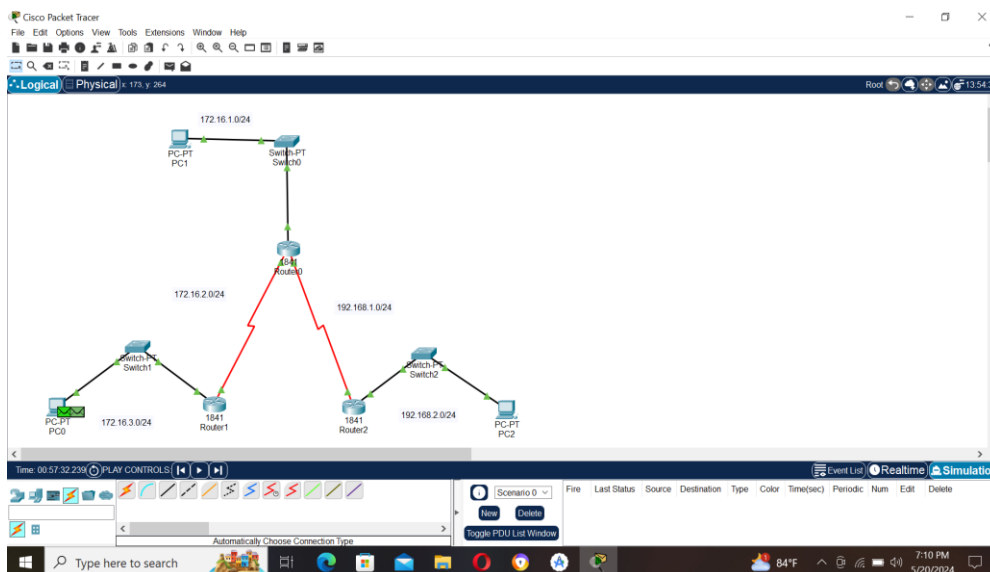
Router#show ip interface bri
% Invalid input detected at '^' marker.

Router#
Router#exit
  
```

- Next ping IP Address in Command prompt.



- Then Add Simple PDU in PC and Simulation.



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