LAB ASSIGNMENT-5



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COURSE: Computer Networks

SLOT: L21+22

Task:

Create 2 vlan's and make communication between them by using inter-vlan routing.

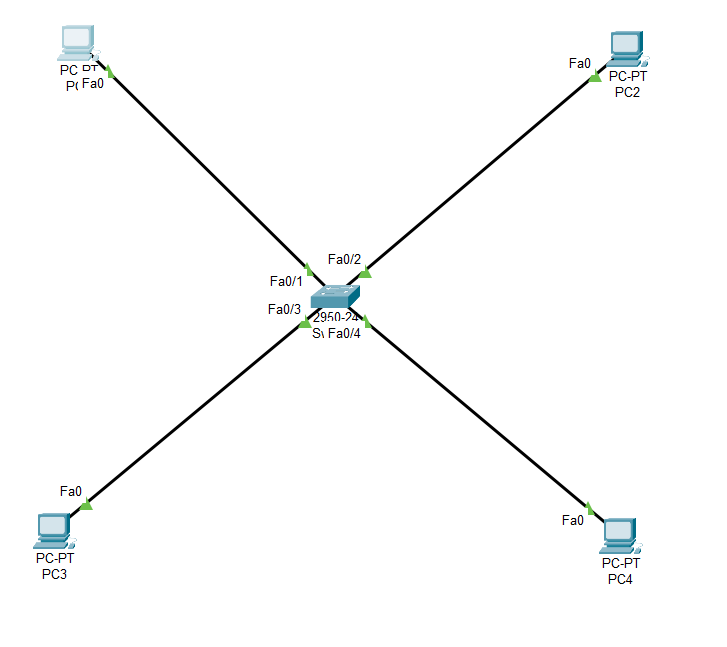
Step1:

Take 4 Pcs and a Switch and connect them using Copper Straight

Through Cable.

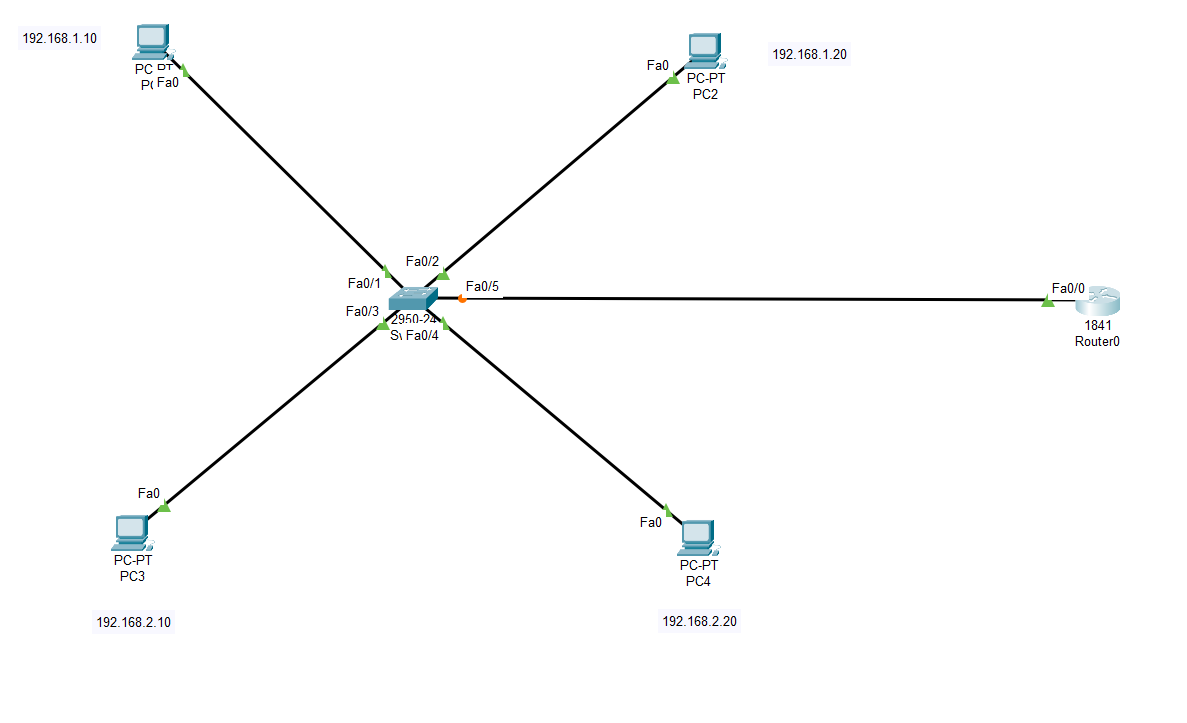
PC1, PC2 = VLAN 1

PC3, PC4= VLAN 2



Step 2:

Give IP configurations to the PC’s and connect the switch to a router.



Step 3:

Go to Switch and Go to CLI to give access to VLAN.

Using these commands

SwitchCLI mode –

For VLAN 1:

Show VLAN brief

Switch> enable

Switch # configure terminal

Swith(config) # VLAN 10

Switch(config - VLAN) # name vit

Switch(Config - VLAN) # port

Int Fa0/1

Switchport mode access

Switchport access VLAN 10

Switch port mode trunk

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For VLAN 2:

Show VLAN brief

Switch> enable

Switch # configure terminal

Swith(config) # VLAN 20

Switch(config - VLAN) # name ap

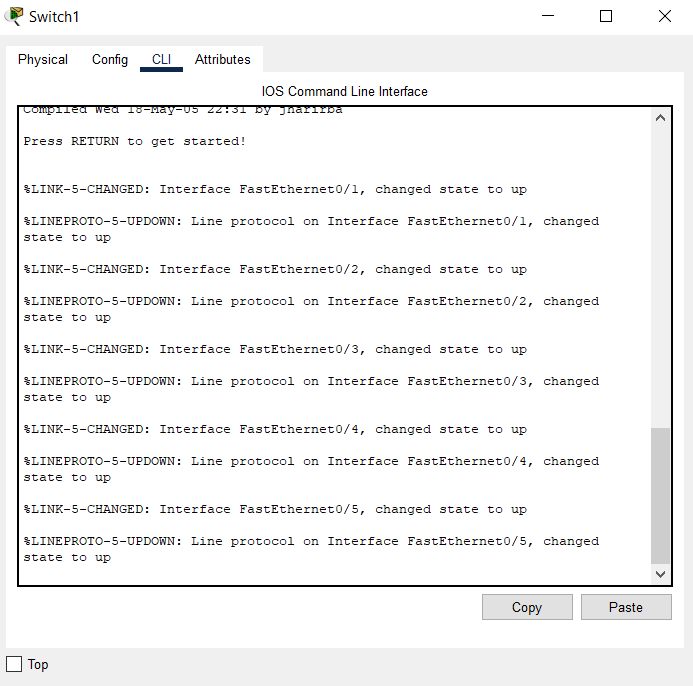
Switch(Config - VLAN) # port

Int Fa0/3

Switchport mode access

Switchport access VLAN 20

Switch port mode trunk

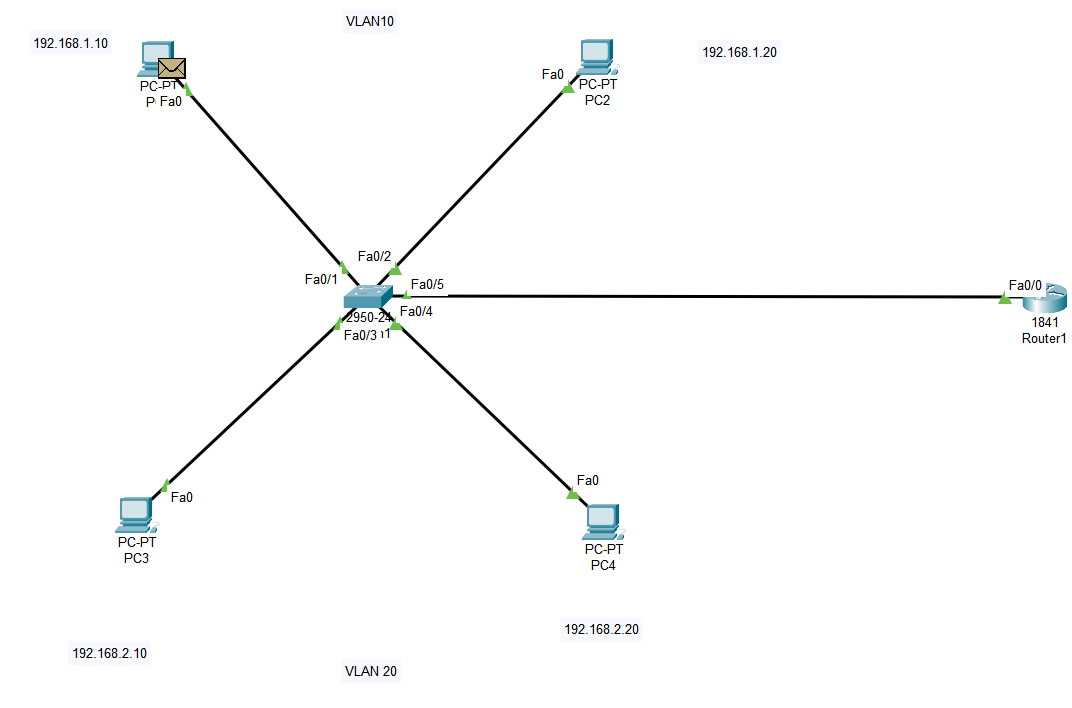


Step 4:

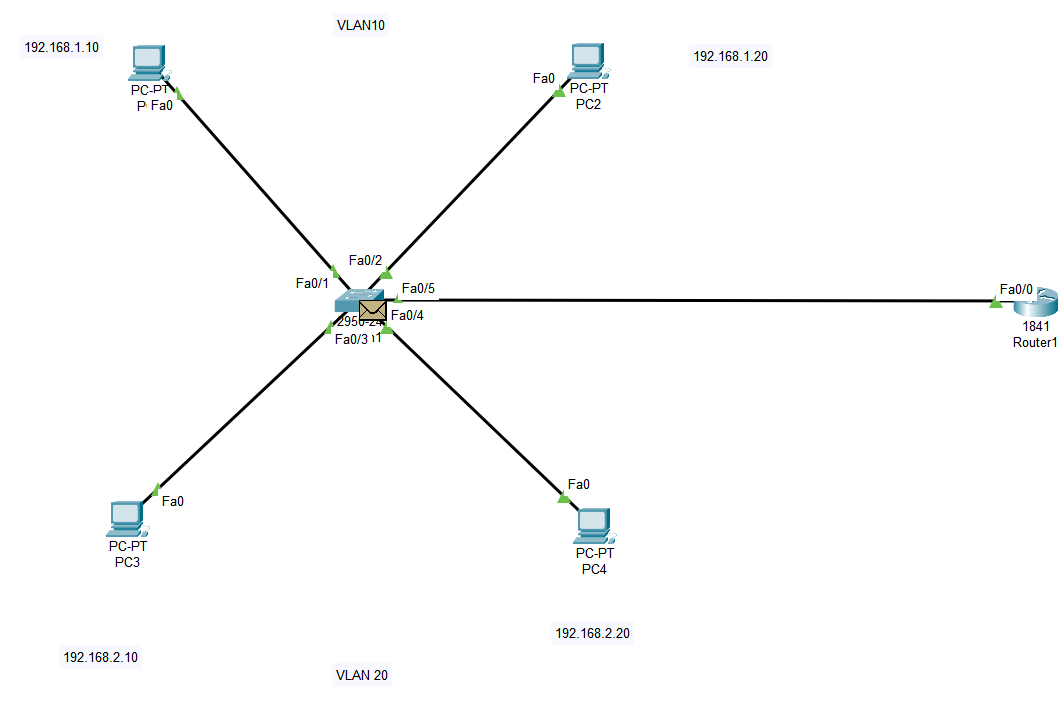
Take a Simple PDU and check if it’s working.

Steps:

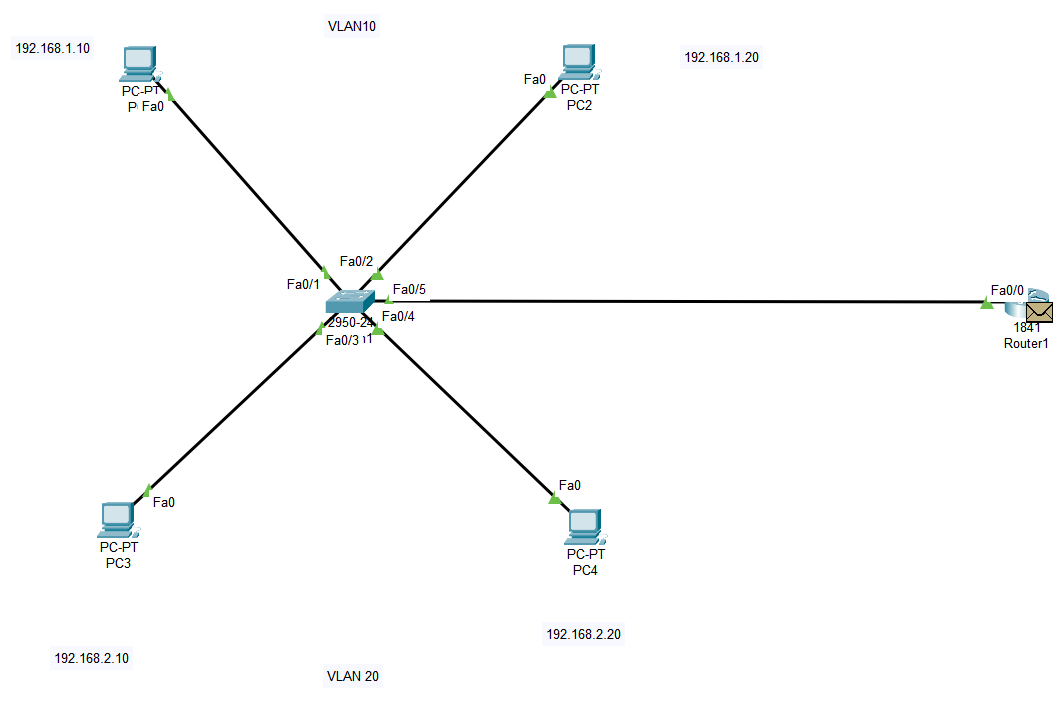
1)



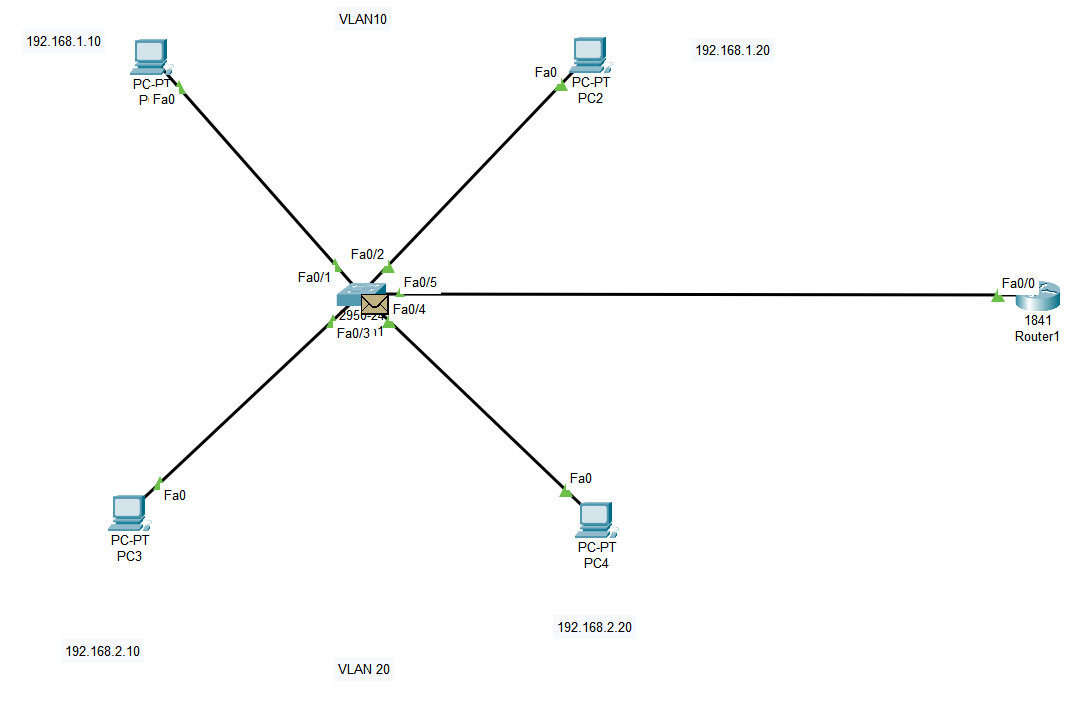
2)



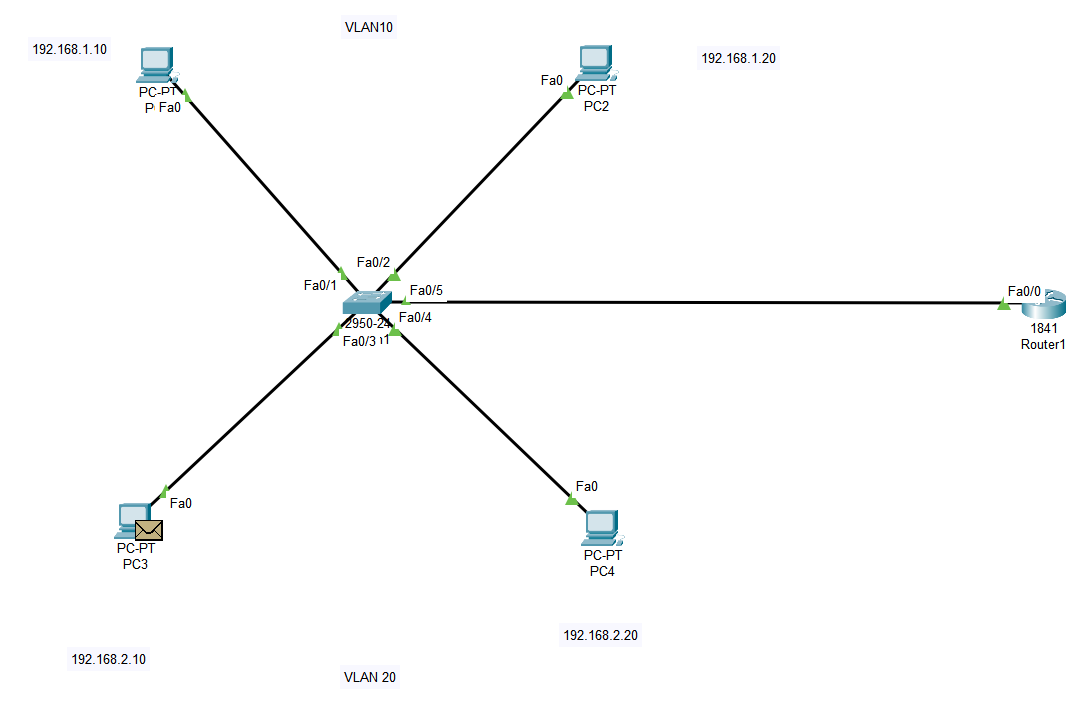
3)



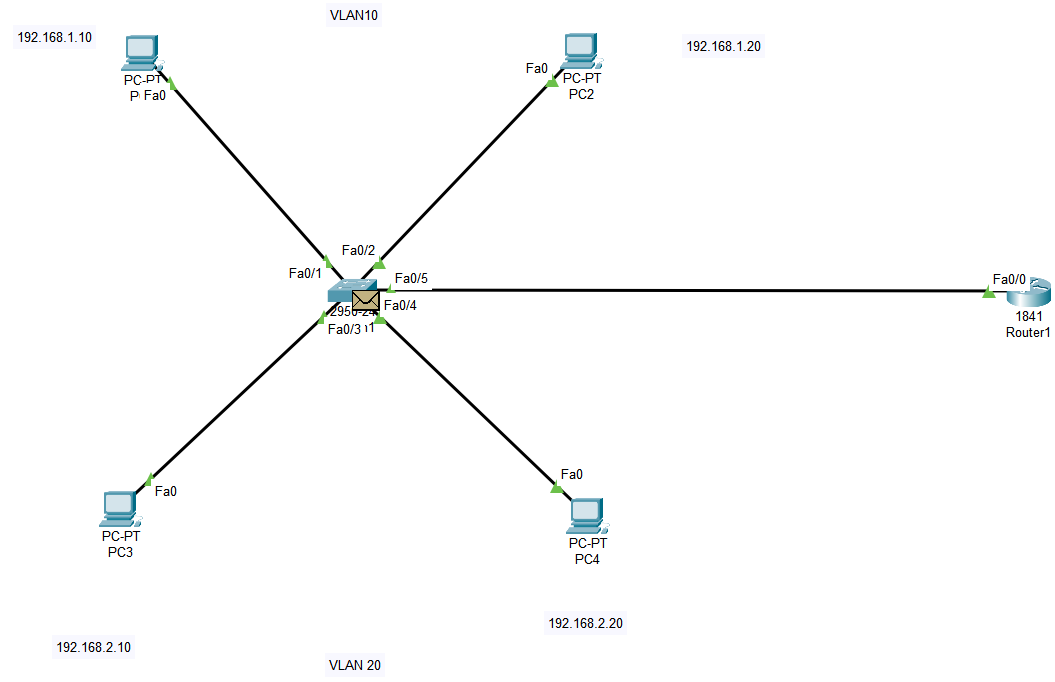
4)



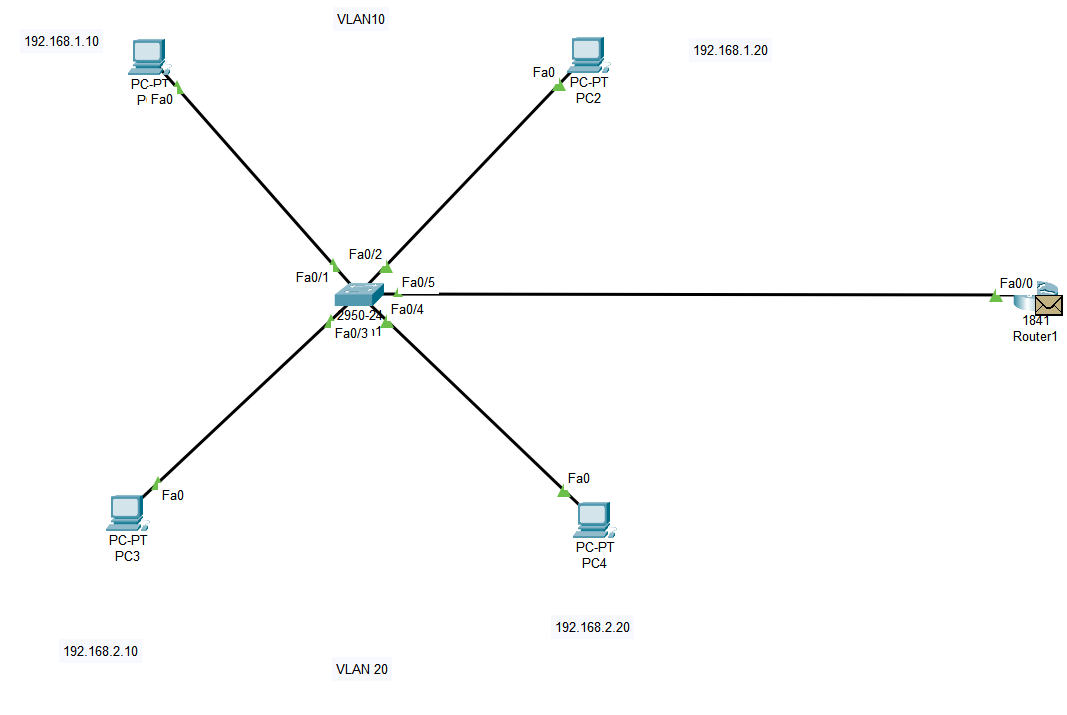
5)



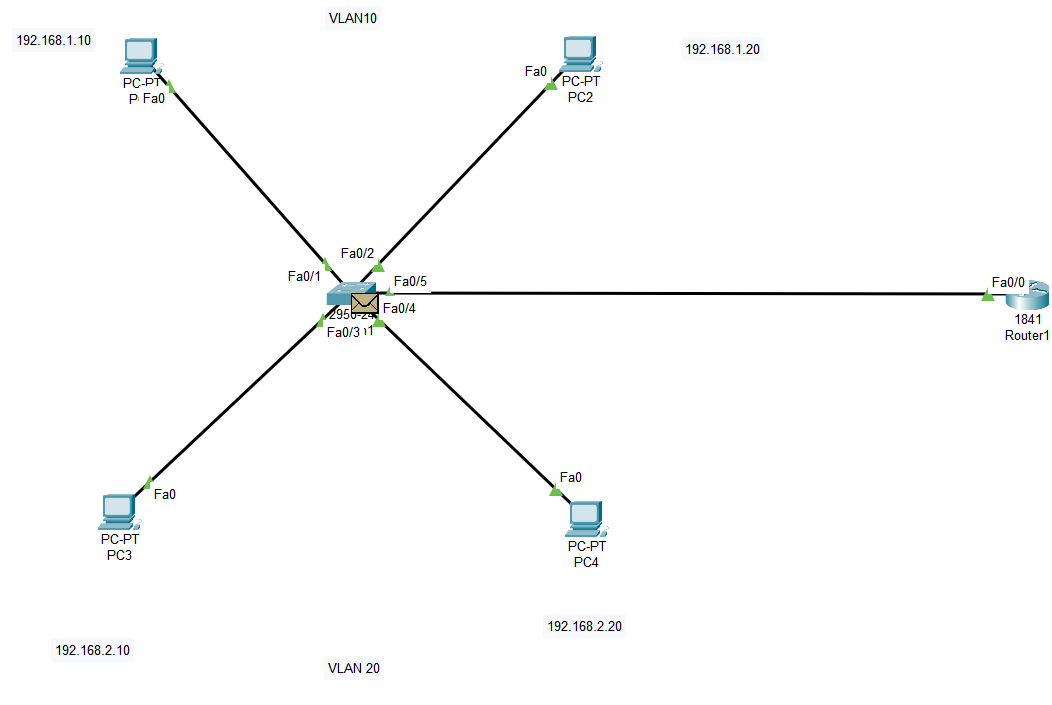
6)



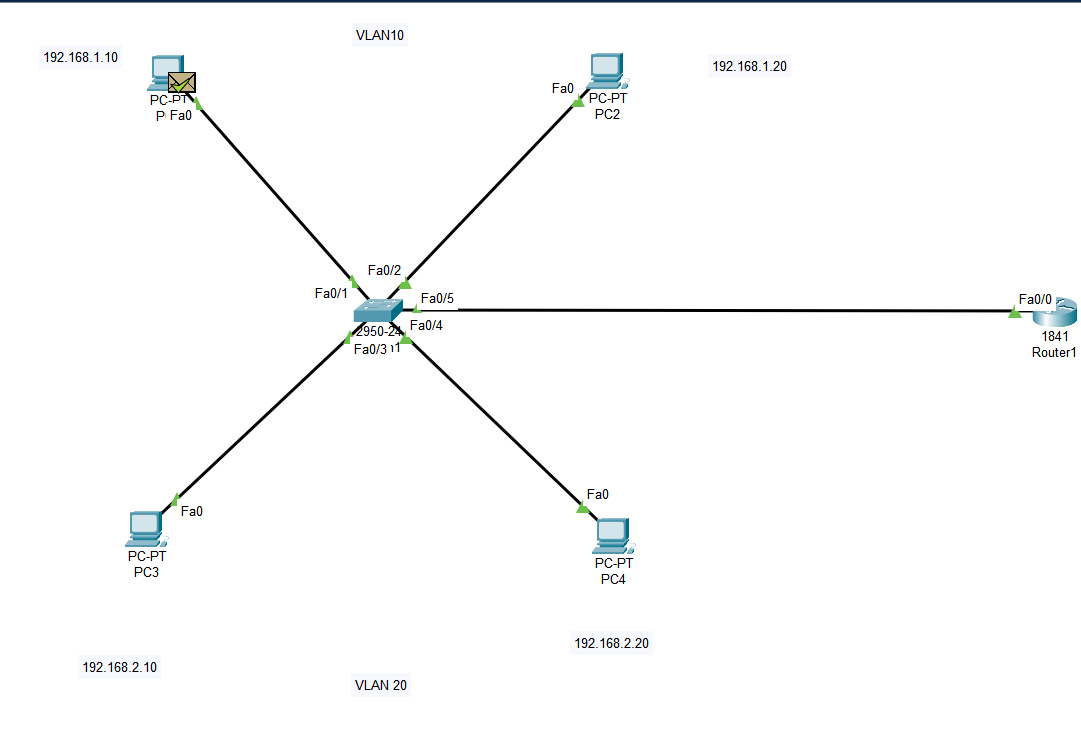
7)



8)



9)



FINAL OUTPUT:

