

PRACTICAL 6

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COURSE -MCA 1st sem

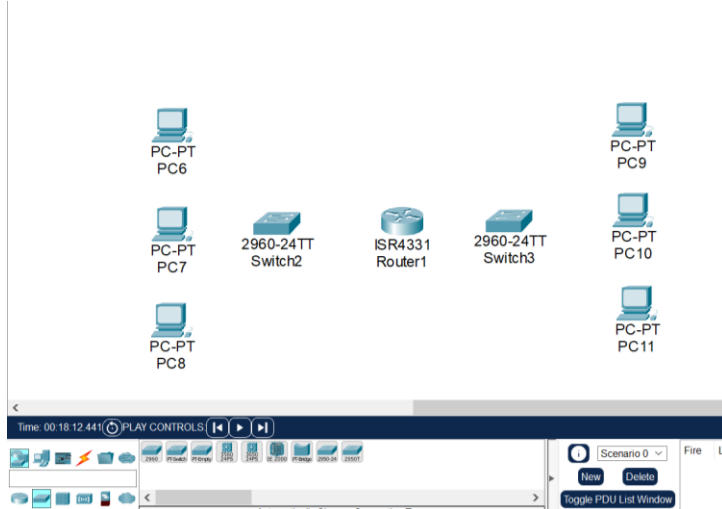
ROLL NO -2351027

SUBJECT - Computer Networks Laboratory (PMC-102)

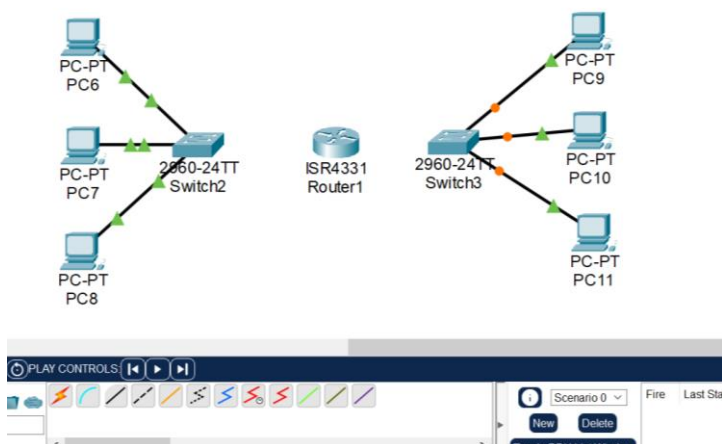
OBJECTIVE: To connect two different network using the router

Procedure:

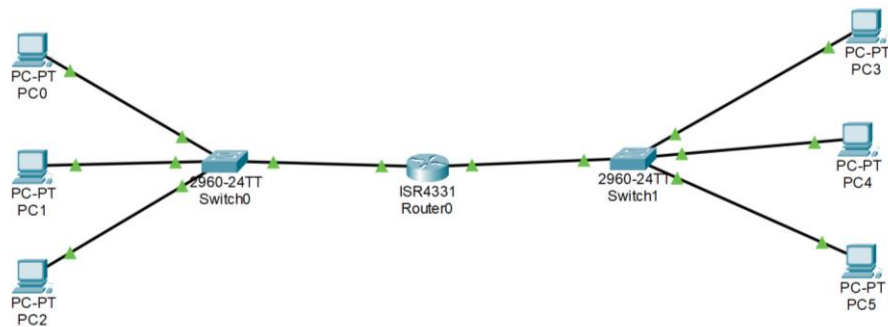
Step 1: Select 6 pcs from the end devices section and 1 router ,2 switch from the network devices section.



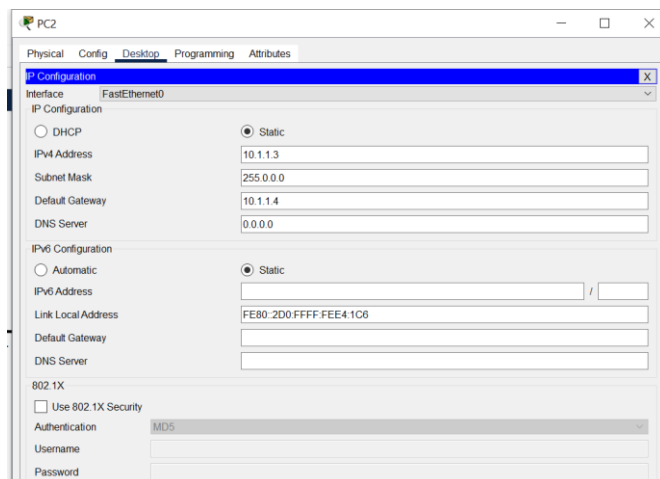
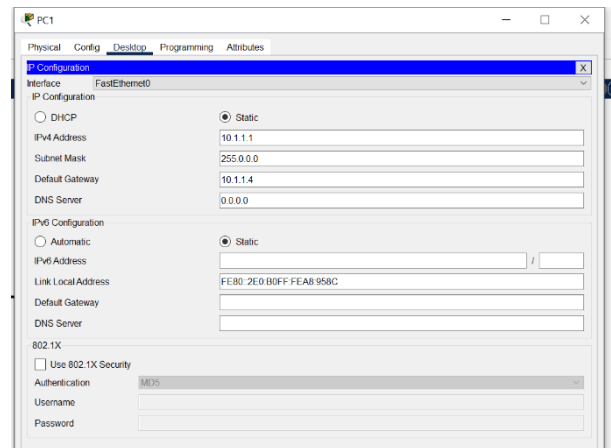
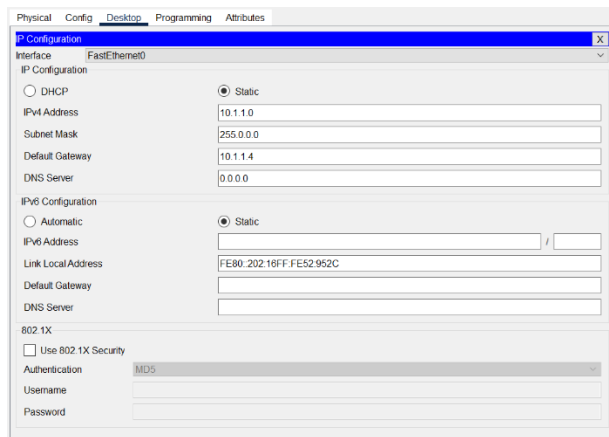
Step 2: Then make a two group of three computers each which represent two different networks, and connect first group pc to the switch. Similarly connect the another group to another switch through the copper straight wire.



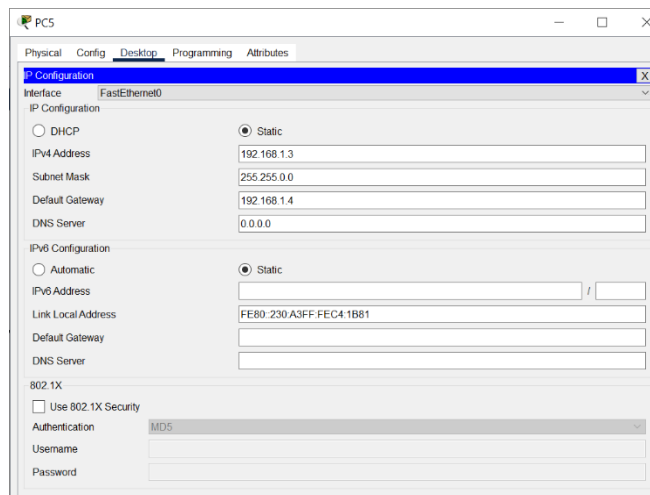
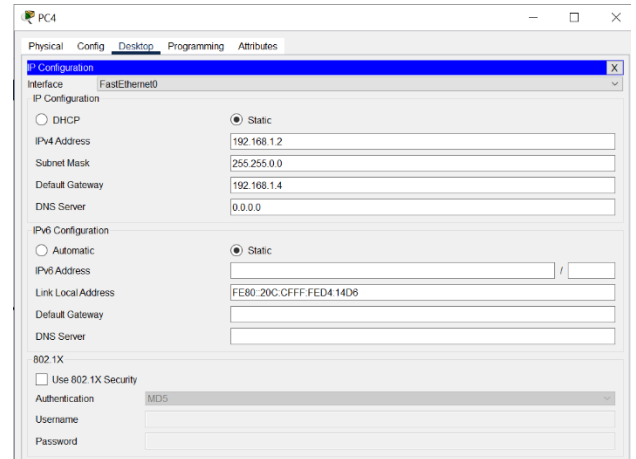
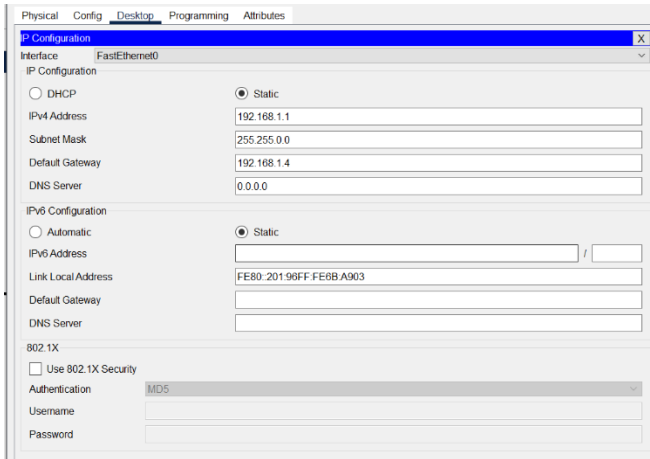
Step 3: Then connect both switches to the router through the copper straight wire.



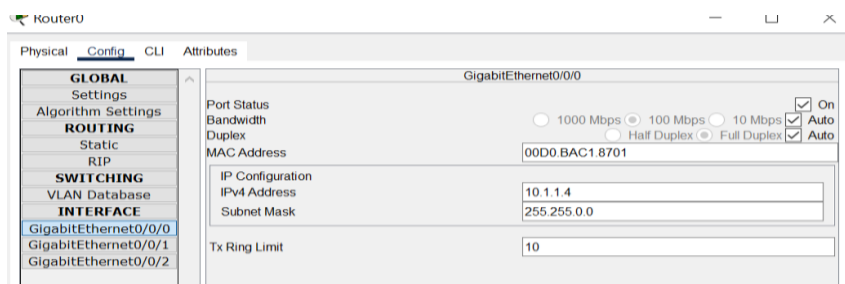
Step 4: Now configure the first network pc ips (i.e 10.1.1.1 , 10.1.1.2 ,10.1.1.3) and default gateway to(10.1.1.4).



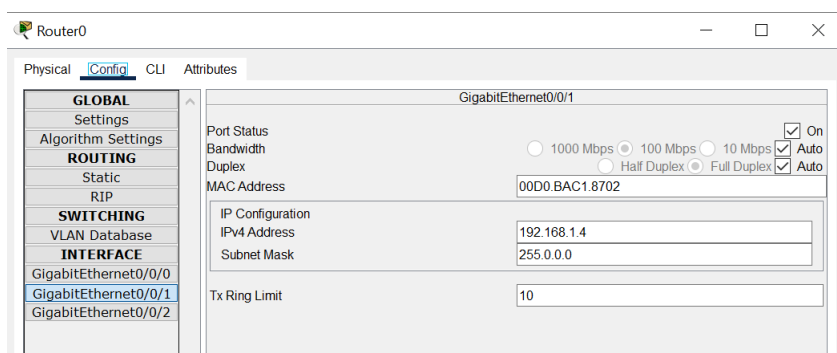
Step 5: Now configure the second network pc ips (i.e 192.168.1.1, 192.168.1.2 , 192.168.1.3) and default gateway to(192.168.1.4).



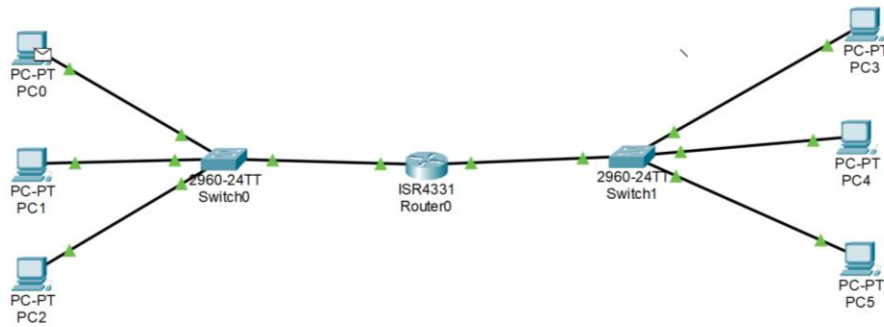
Step 6: Now configure the router , in interface section assign default gateway(i.e 10.1.1.4) to gigabit ethernet 0/0/0 and turn on the port status.





Step 7: Again in interface section assign default gateway(i.e 192.168.1.4) to gigabit ethernet 0/0/1 and turn on the port status.



Step 8: Now select a simple PDU message from the tool bar section and drop it to any pc of network 1 and another to pc of network 2.



When the PDU message is successfully delivered to the another pc which is located in another network a successful message is displayed.

<div> <div>Scenario 0</div> <div>New Delete</div> </div>	Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
<div> <div>Toggle PDUI List Window</div> </div>		Successful	PC0	PC3	ICMP		0.000	N	0	(edit)	(delete)