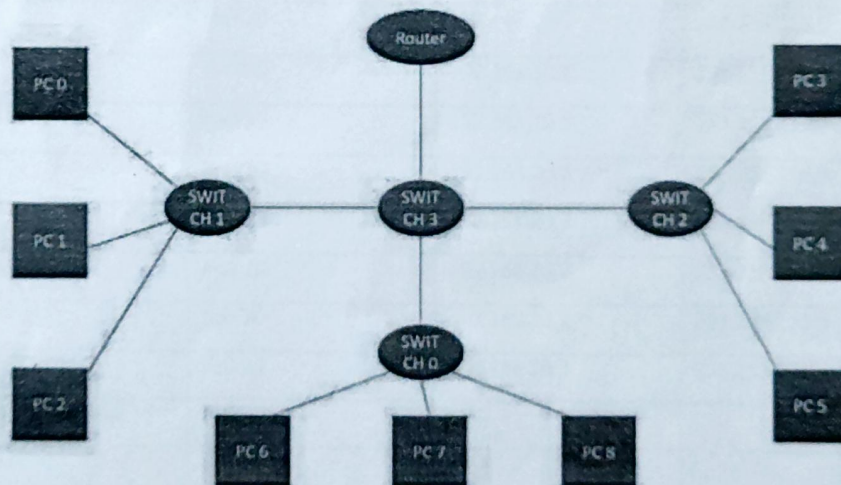


Register No:	99220040530
Name	G MADHU
Section	S06
Ex No:	5b
Name of the Experiment	Configuration of inter Vlan by using Router
Google Drive link of the packet tracer file (give view permission)	https://drive.google.com/drive/folders/1SLkeV17qbXByDP12T7ynwQIwNzUJ2buy

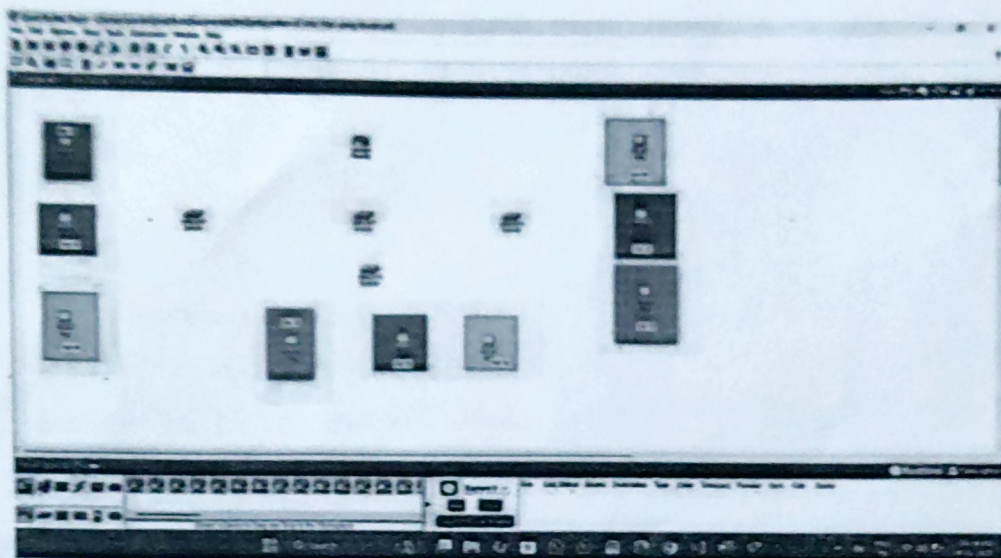
1. Device Requirements:

1. Switch's
2. Router
3. Pc's 0-9

1. Network Diagram for your experiment (draw the diagram either hand drawing/ms paint or any other drawing tools)



2. Network Diagram (packet tracer diagram before configuration):



3. Configuration details:

Device Name	Interface Name	IP Address	Subnet mask
PC0	Fa0/10	192.168.10.1	255.255.255.0
PC1	Fa0/20	192.168.20.1	255.255.255.0
PC2	Fa0/30	192.168.10.2	255.255.255.0
PC3	Fa0/30	192.168.20.2	255.255.255.0
PC4	Fa0/20	192.168.20.2	255.255.255.0
PC5	Fa0/10	192.168.20.2	255.255.255.0
PC6	Fa0/10	192.168.20.2	255.255.255.0
PC7	Fa0/20	192.168.20.2	255.255.255.0
PC8	Fa0/30	192.168.20.2	255.255.255.0
Switch 0&1&2&3	Fa0		
Router	Fa0		

Describe step by step configuration steps properly (you may copy the commands used in the configuration tab and paste it.)

1. Create VLANs

switch > cn
 switch # configure terminal
 switch (config) # vlan 10
 switch (config-vlan) # exit
 switch (config) # vlan 20
 switch (config-vlan) # exit
 switch (config) # vlan 30

switch (config-vlan) # exit
switch (config) # exit
switch > show vlan

99220040530

2. Configure interfaces:

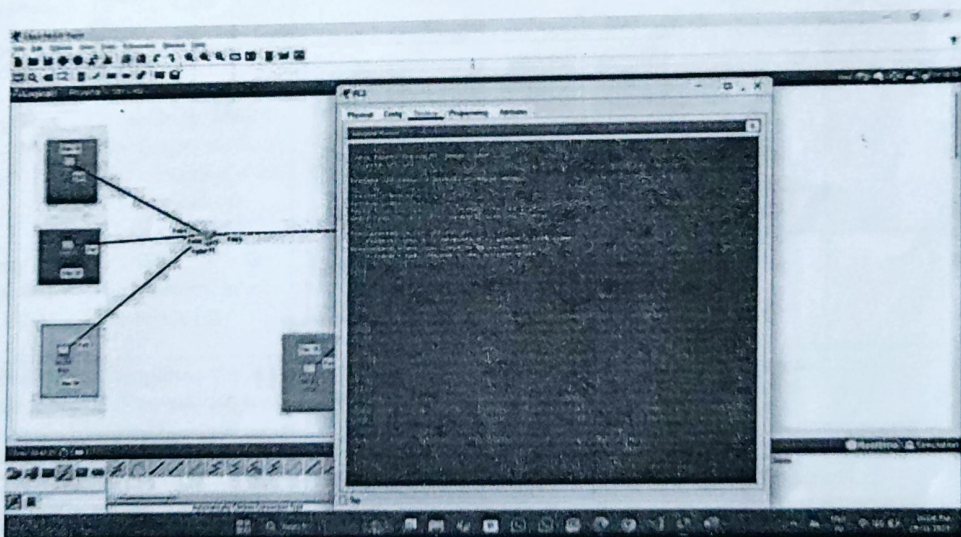
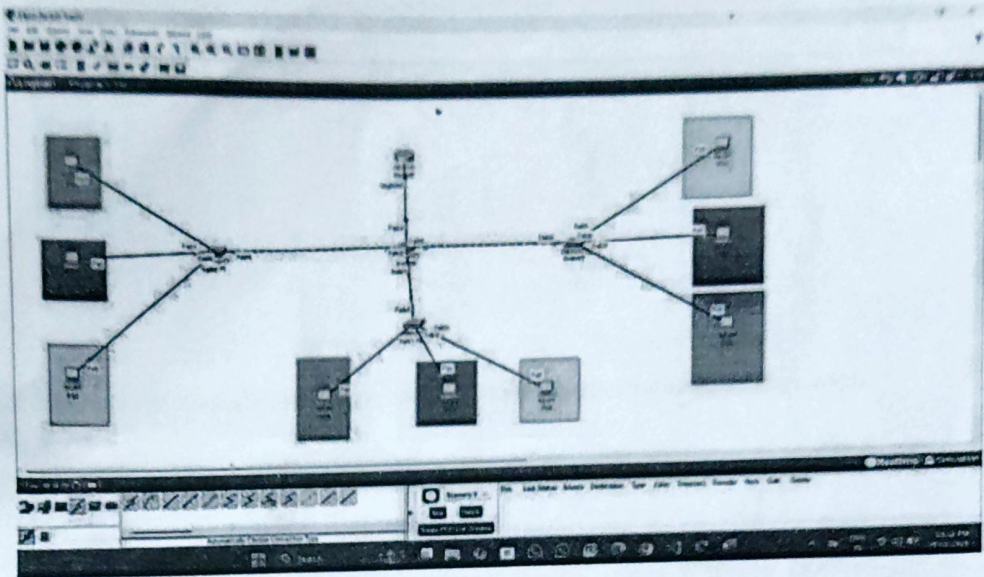
switch (config) # interface fa 0/1
switch (config) # switch mode access vlan 10
switch (config) # exit
switch (config) # interface fa 0/2
switch (config-if) # switch mode access vlan 20
switch (config-if) # exit
switch (config) # interface fa 0/3
switch (config-if) # switch mod access
switch (config-if) # exit
switch (config) # exit

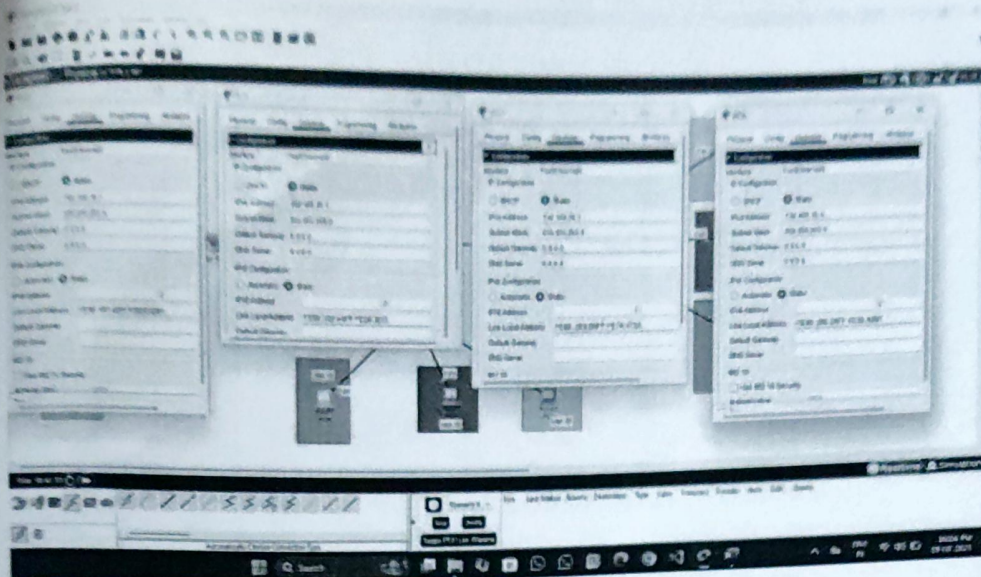
3. Configure Trunk:

switch > cn
switch # configure terminal
switch (config) # vlan 10
switch (config-vlan) # exit
switch (config) # vlan 20
switch (config-vlan) # exit
switch (config) # vlan 30
switch (config-vlan) # exit
switch (config) # interface ran
switch (config-if) # interface range fa 0/23-24
switch (config-if) # switch mod Trunk
switch (config-if) # exit
switch (config) # exit

4. Output Diagram (Minimum 3 screenshot):

Network Diagram





Assigning IP address

Rubrics for Experiment Assessment:

Rubrics	Good	Normal	Poor	Marks
Creation of Topology (4)	Created the topology, Identify the proper devices and making the connections (4)	Created the topology, Identify the proper devices, making the connections But missing some features (3)	Created wrong topology, Failed to Identify the proper devices and making connections (1)	
Verify the connectivity (4)	Verified the connectivity in all the levels (4)	Verified the connectivity at some levels (only some nodes) (2)	Verified the connectivity is not done. (1)	
Timely Completion (2)	Completed the lab before the allotted time (2)	Completed the lab after the deadline (1)	Did not submitted before grading (0)	
Total				

Result: Thus the study of Network Devices has been done successfully