

EX NO: 8a

VIRTU

DATE: 10.09.24

a) VIRTUAL LAN

AIM:

→ Simulate Virtual Configuration using Cisco Packet Tracer Simulation

PROCEDURE:

- 1) Create network using 1 switch & 4 PCs
- 2) Assign IP address to PC
- 3) Check network by sending packets
- 4) Right click on switch & then on CLI
run the foll command

```
# enable  
# conf t  
# vlan 2  
# name office  
# exit  
# vlan 3  
# name home
```

```
to # exit
```

```
# exit
```

```
# interface fast Ethernet 0/1
```


interface fastEthernet 0/2

switchport access vlan 2

exit

interface fastEthernet 0/3

switchport access vlan 3

exit

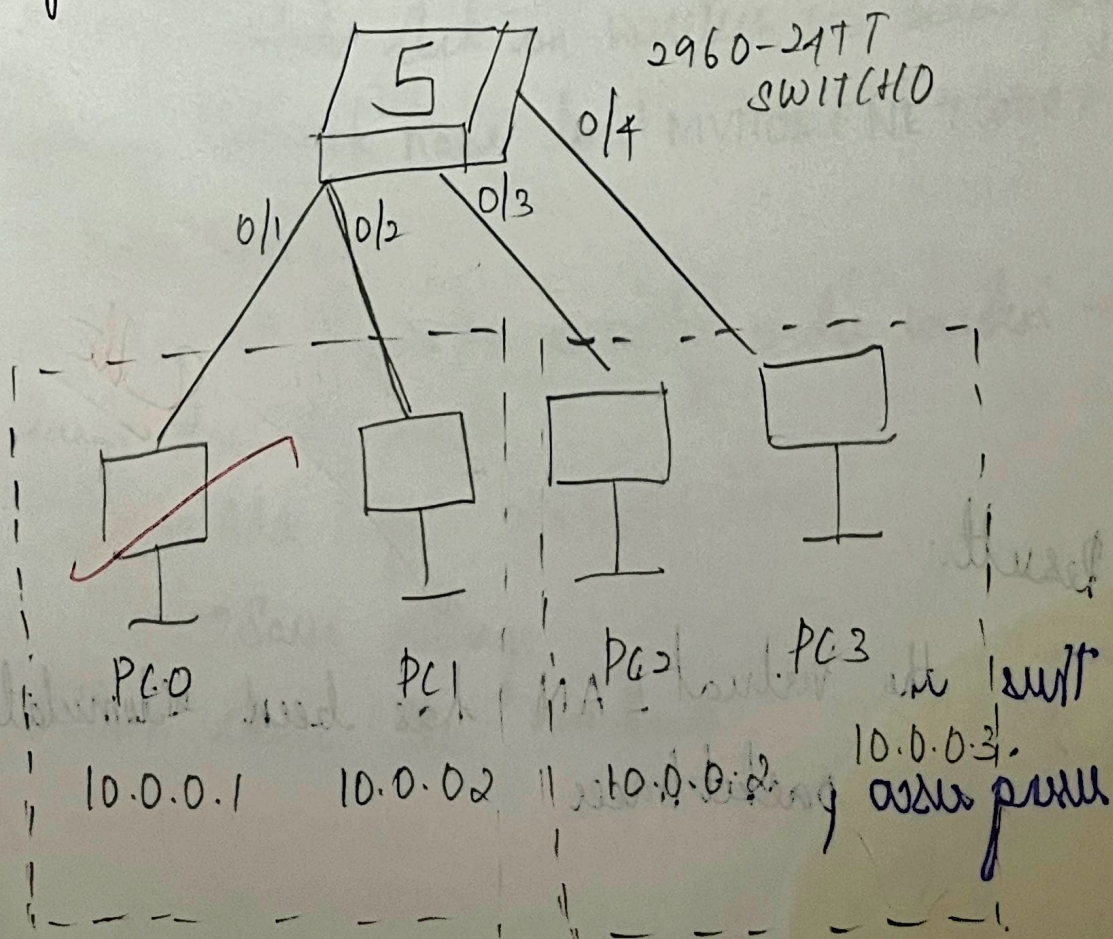
interface fastEthernet 0/4

switchport access vlan 3

exit

5) Now try pinging packet from PC's to one another

Diagrammatic Representation: ②



Observation:

When packet transferred from PC0 to PC1
the packets are successfully transferred.
Similarly the PCs within same vlan packets
are transferred successfully
whereas for PCs can't transfer packets out
of its VLAN

Output

Time	LastStatus	Source	Dest	Type	Colour	Time	Periodic	Num
0	Successful	PC0	PC1	ICMP	▶	0.000	N	0
0	Failed	PC1	PC2	ICMP	◻	0.655	N	1

Result:

Thus the Virtual LAN has been simulated
using Cisco packet-tracer

S. Iltis