

Exp. No. 8a

Virtual LAN

Date: 18.10.24

Aim:

Similar virtual configuration using
Cisco Packet Tracer.

Procedure:

(1) Create the network using 1 switch & 4 PC
as shown in figure.

(2) Check the network by sending packet
(optional).

(3) Assign IP address to the PC.

(4) Right click on switch & then on
the following command.

enable

conf

vlan 2

name office

exit 2

vlan 3

name home

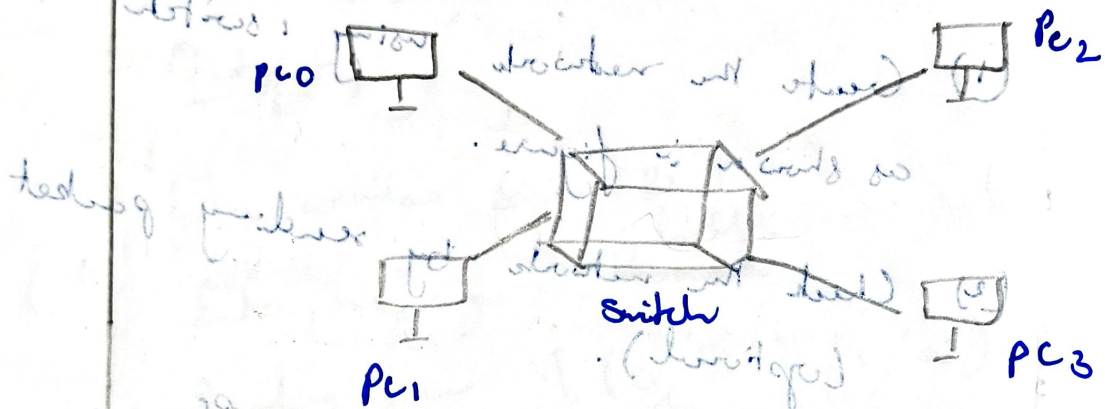
exit

interface fast ethernet 0/14

switch port access ^{107.04.98} ^{12.01.21} ^{12.01.21}
 # exit

(6) Now by pinging packet from PC's
 to one to another.

Diagram



Observation:

When packet transferred from
 PC0 to PC3 the packet can
 successfully transmitted similarly
 for PC5 with in same # then
 packet can transfer successfully.

Output values

Last Status:

Successful

Source:

PC0

Destination:

PC1

Type:

ICMP

Colour:

☐

Time:

0.000

Periodic:

N

Num:

0

Last Status:

Failed

Source:

PC1

Destination:

PC2

Type:

ICMP

Colour:

☐

Time:

0.063

Periodic:

N

Num:

1

~~Result:~~

Thus the virtual loop has been simulated.