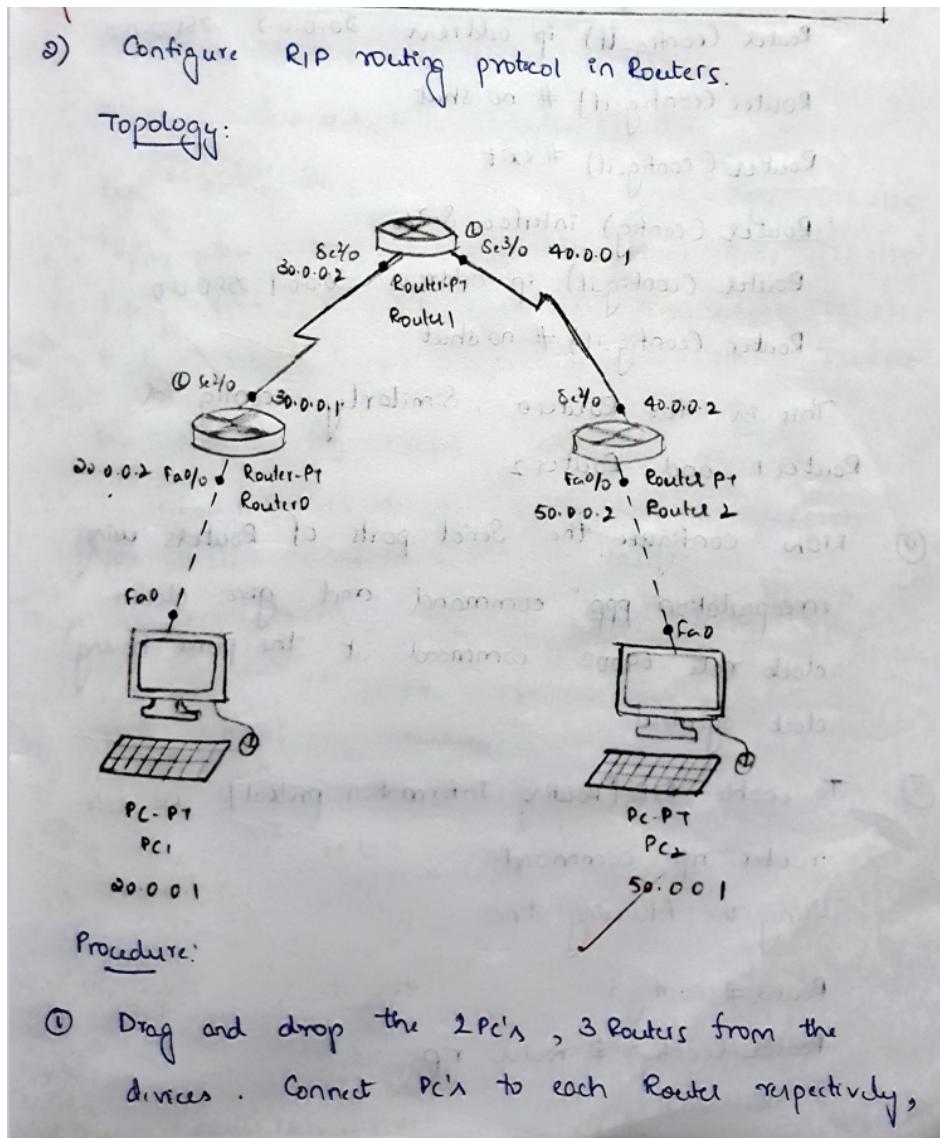


## PROGRAM -5

### Configure RIP routing Protocol in Routers



and those two Routers connected to another Router.

- ② Configure IP address of PC1 and PC2 as 20.0.0.1 and 30.0.0.1 respectively.

- ③ Config. the Routers (All 3 routers) using following commands:-

Router # enable

Router # config t

Router (config) interface fa0/0

Router (config-if) ip address 20.0.0.2 255.0.0.0

Router (config-if) # no shut

Router (config-if) # exit

Router (config) interface Se2/0

Router (config-if) ip address 30.0.0.1 255.0.0.0

Router (config-if) # no shut

This is for Router 0. Similarly config for Router 1 and Router 2

- ④ Now configure the Serial ports of Routers using "encapsulation ppp" command and give clock clock rate 64000 command at the ports having clock symbol.

- ⑤ To enable RIP [Routing Information protocol] we use router rip command.

Using the following steps:

Router # config t

Router (config) # route

Router (config-route) # network 20.0.0.0

Router (config-route) # network 30.0.0.0

Similar should be done Route 1 & 2

- ⑥ Now, ping Give the gateway to  $PC_1$  as 20.0.0.2  
as to  $PC_2$  as 50.0.0.2
- ⑦ Now, ping from  $PC_1$  to  $PC_2$  & check the results

Output:

$PC > ping 50.0.0.1$

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1 : bytes = 32 time = 2ms TTL = 125

Reply from 50.0.0.1 : bytes = 32 time = 4ms TTL = 125

Reply from 50.0.0.1 : bytes = 32 time = 6ms TTL = 125

Reply from 50.0.0.1 : bytes = 32 time = 2ms TTL = 125

~~Ping~~ statistics for 50.0.0.1:

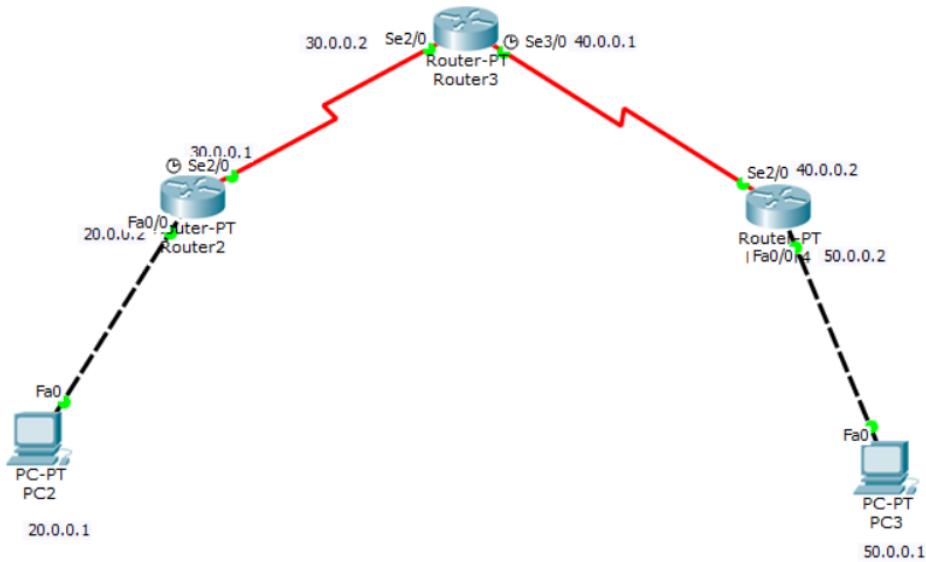
Packets : Sent = 4, Received = 4, Lost = 0 (0% Loss),

Approximate round trip time in milli-second:

Minimum = 2ms, Maximum = 9ms, Average = 4ms

10/10

N  
25/7/23



## OUTPUT

```
Command Prompt X
PC>ping 50.0.0.1
Pinging 50.0.0.1 with 32 bytes of data:
Request timed out.
Reply from 50.0.0.1: bytes=32 time=10ms TTL=125
Reply from 50.0.0.1: bytes=32 time=6ms TTL=125
Reply from 50.0.0.1: bytes=32 time=13ms TTL=125

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 13ms, Average = 9ms

PC>ping 50.0.0.1
Pinging 50.0.0.1 with 32 bytes of data:
Reply from 50.0.0.1: bytes=32 time=2ms TTL=125
Reply from 50.0.0.1: bytes=32 time=9ms TTL=125
Reply from 50.0.0.1: bytes=32 time=6ms TTL=125
Reply from 50.0.0.1: bytes=32 time=2ms TTL=125

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 9ms, Average = 4ms

PC>
```

## PROGRAM -8

### Configure Web Server, DNS within a LAN.

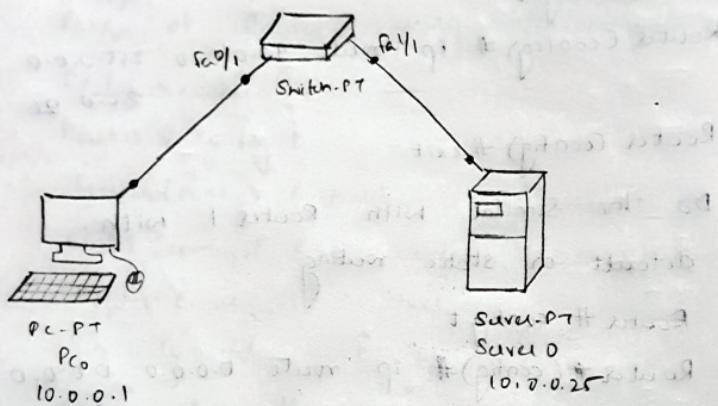
27/2/23

Lab-6

- Aim :  
1) Configure Webserver, DNS within a LAN  
2) Configure RIP routing protocol in Routers

1)

Topology:



Procedure:

- ① Drag & drop the 1PC, Server, Switch from the devices
- ② Create the topology as above.
- ③ Configure the IP address of PCo as 10.0.0.1
- ④ Configure the IP address of Server as 10.0.0.25
- ⑤ Open the web browser in PCo and give ip address of Server.
- ⑥ Now, Go to the DNS in the Server and add name, ~~URL~~ Eg: hello, 10.0.0.25 respectively
- ⑦ Now, try with the name in web browser the index.html will be rendered.

- ⑧ We can edit the index.html by clicking on https in Services section of Server0.

Output:

