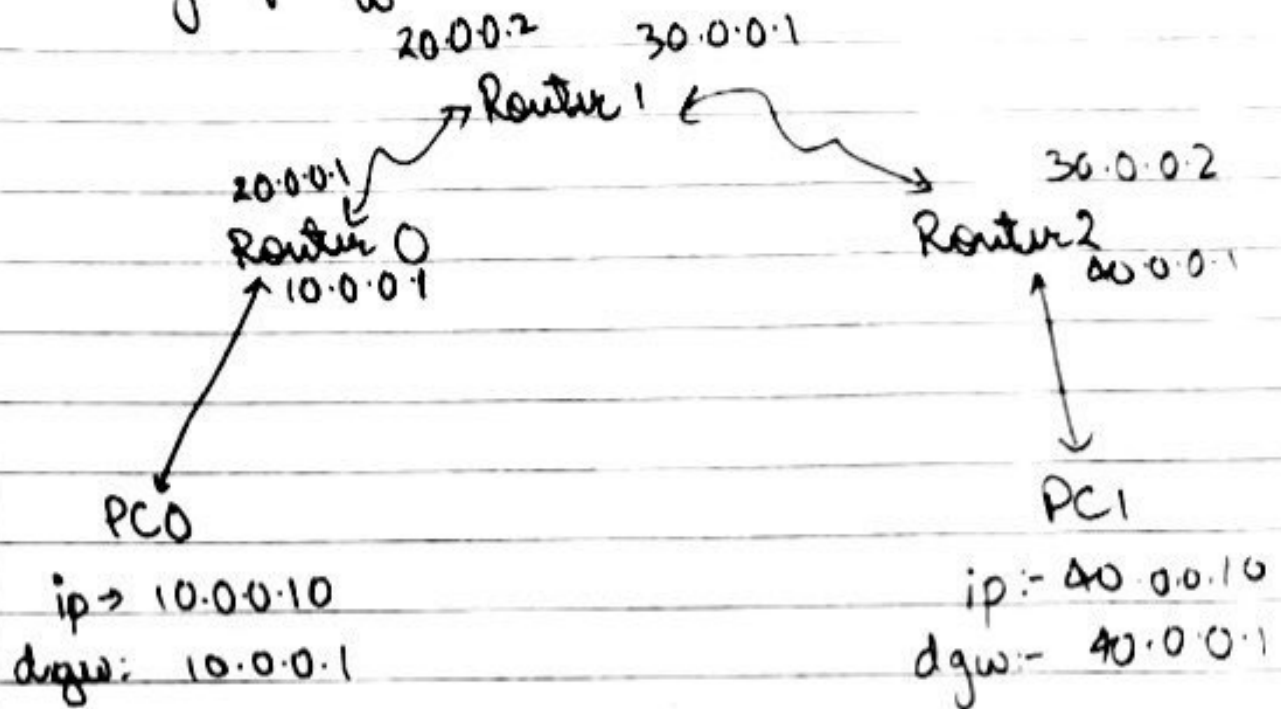


# Configuring rip routing protocol using in routers.

## i) creating topology.



## ii) setting gateway and ip address to each device and router.

## iii) configure router using rip:

eg:- R0.

```
R0 (config) # interface serial 2/0
R0 (config) # encapsulation ppp
R0 (config) # clock rate 64000
# exit
R0 (config) # router rip
R0 (config-router) # network 10.0.0.0
# network 20.0.0.0
# exit
```

```

R1:
conf# interface serial 2/0
# encapsulation ppp
# no shutdown
# router up
# network 20.0.0.0
# network 30.0.0.0
# exit

```

Do same for R1 and R2 with the networks as:-

- 20.0.0.0 and 30.0.0.0 for router 1
- 30.0.0.0 and 40.0.0.0 for router 2

4) Once the configuration is done, the packets ready to send.

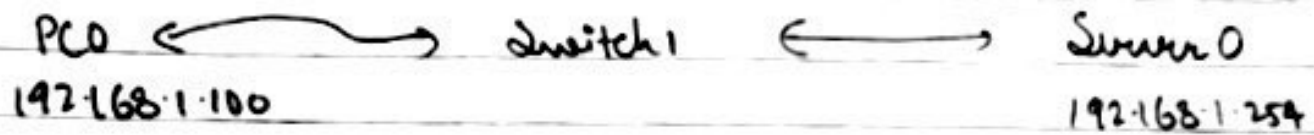
i.e., ping PC1 from PC0  
 ping 40.0.0.10 which sends  
 a packet from PC0 to PC1.

⇒ we use R0 (config-router) # version 2  
 for configuring router by specifying  
 the type routing information protocol that  
 be used while configuring.

RIP version 2 is classless protocol which  
 supports variable length subnet masking.

Q. Demonstration of WEB server and DNS using packet tracer.

1) Create topology.



2) Set the IP address for PC and server as mentioned

3) Set the DNS server configuration in PC0 config setting.

4) Enable DNS service in server → services.

5) Web Browser from PC0 using the server IP address assigned which shows the search for the partial IP address.

PC → Desktop → Web Browser → "Enter URL".

6) We can add and edit the web server page by

server → services → DNS.

Add Domain name and click "ADD".

7) Then we can use browser from PC0 using newly added domain.

8) we can change the file pointed address by

server → services → HTTP.

Then we can change (edit) delete the domain and add files.

9. Hence, the necessary we server demonstration.