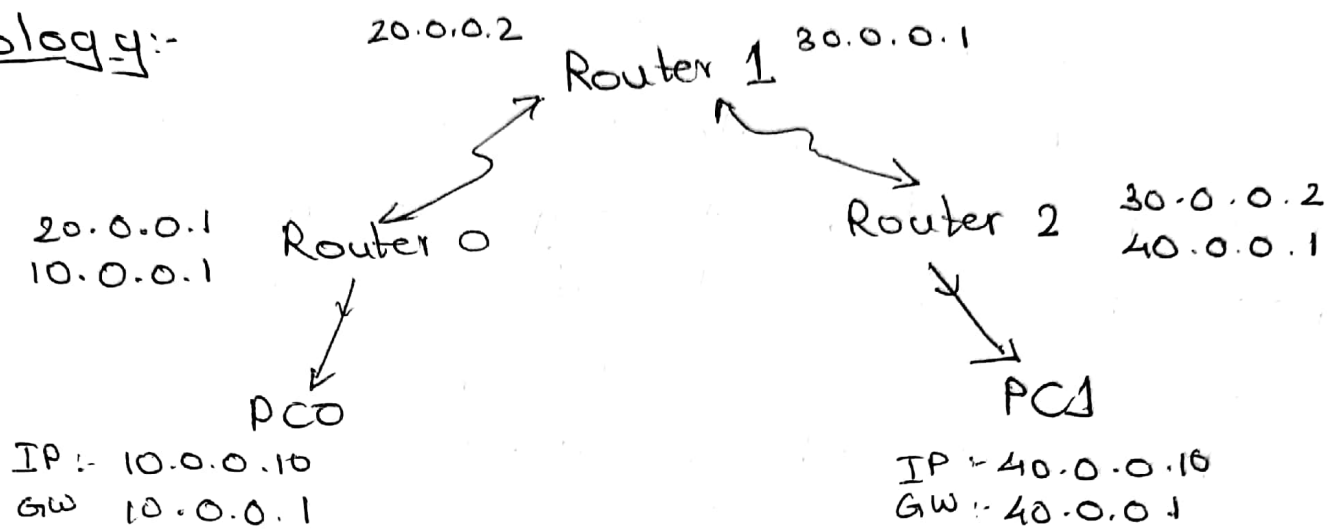


## Q) Configuring RIP routing protocol in Router.

### 1) Topology:-



2) Set gateway & IP addresses to each device & router.

### 3) Router 0:-

```

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

4) Similarly execute commands for router 1 & router 2 for configuring

- \* router 1 with networks 20.0.0.0 and 30.0.0.0
- \* router 2 with networks 30.0.0.0 and 40.0.0.0

4. Once the configuration is done, the packet is ready to send.

i.e, ping PC1 from PC0

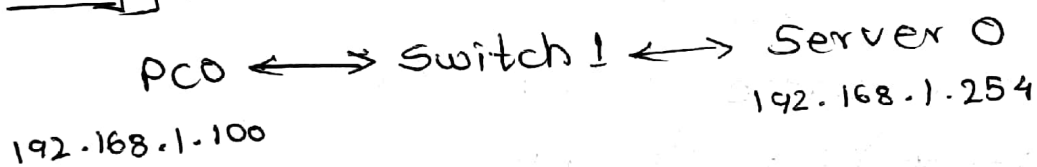
ping 40.0.0.10

⇒ We use R0(config-router) # version 2 for configuring router by specifying the type routing information protocol to 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) Topology:-



2) Set IP for PC and Server.

3) set the DNS server configuration in PC0 config setting

4) Enable DNS service in server → services

5) web browse 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 pages by  
Server → services → DNS

Add the domain name and click 'ADD'.

7) Then we can web browse from PC0 using the newly added domain

8) We can change the files of the pinged address by

server → services → HTTP

There we can change/edit/delete the domain and file.