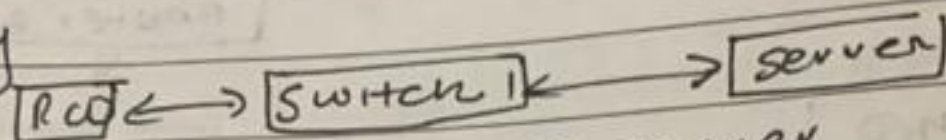


LAB 5

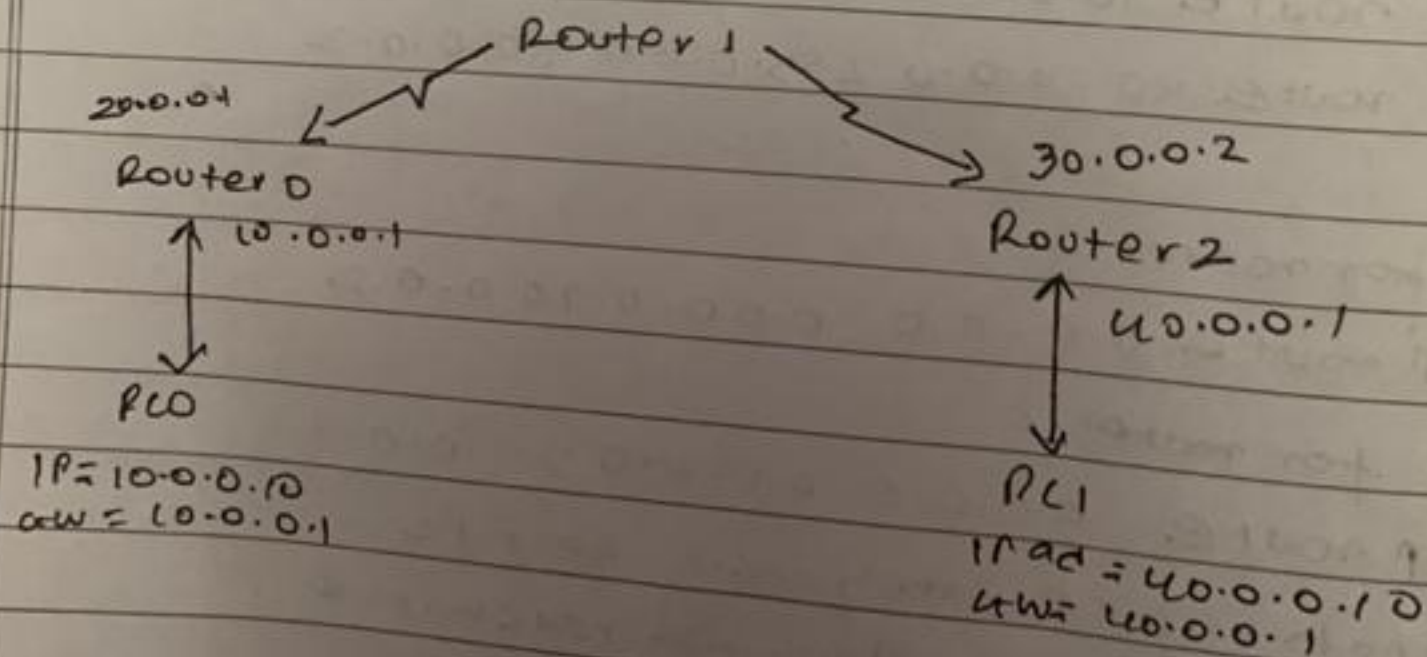
1 Demonstration of web server & DNS using packet tracer

topology



- 1 set the ip address for PC server
- 2 set the DNS server configuration in PC config settings
- 3 enable DNS service in server → services
- 4 web Browser from PC using the server IP address assigned which shows the search for the particular IP address
PC → desktop → web browser → "enter URL"
- 5 we can add by add the server page by server → services → DNS
- 6 then we can browse from PC using newly added domain
- 7 By going : server → services → HTTP we can edit & add files.

2 configuring RIP routing protocol in router topology:



1 RIP protocol collects information of other router from their neighbours.

2 configure router using RIP

```
R2 #interface serial 2/0
```

```
# encapsulation ppp
```

```
# clock rate 64000
```

```
# exit
```

```
# router rip
```

```
# network 10.0.0.0
```

```
# network 10.0.0.0
```

```
# exit
```

3 R1: #interface serial 2/0

```
# encapsulation ppp
```

```
# exit
```

```
# router rip
```

```
# network 20.0.0.0
```

```
# network 30.0.0.0
```

```
# exit
```

no same for R1 & R2 with network

→ 20.0.0.0, 30.0.0.0 for R1

→ 30.0.0.0, 40.0.0.0 for R2

4 Once config is done, the packets are ready to send:
ie ping R1 from R2
ping 40.0.0.10

Net-2: R0 (config router) # version 2 for configuring router by specifying the type routing information protocol.

- 5 In such a protocol the router will know about other router through in neighboring router that are connected directly.