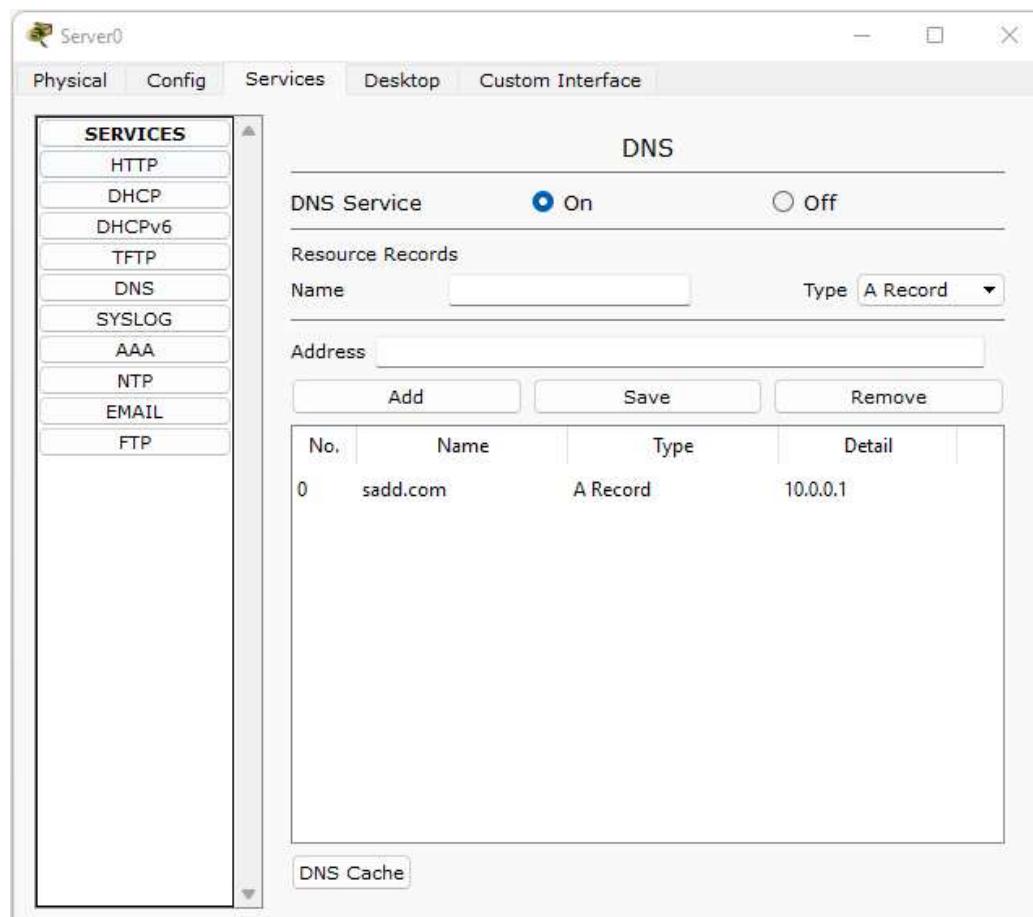
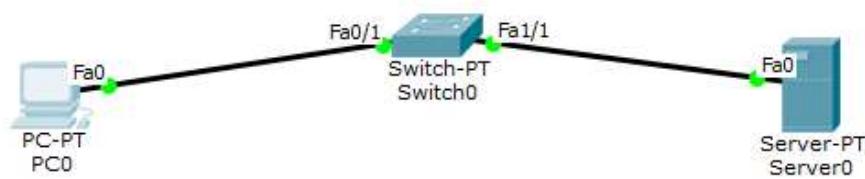
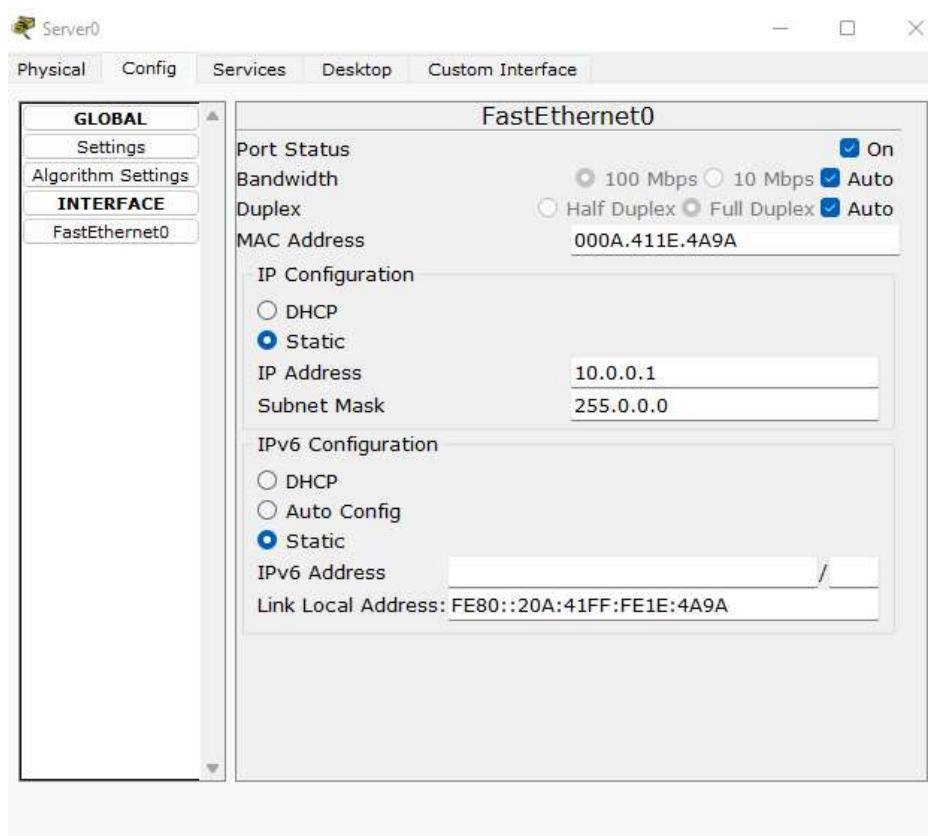
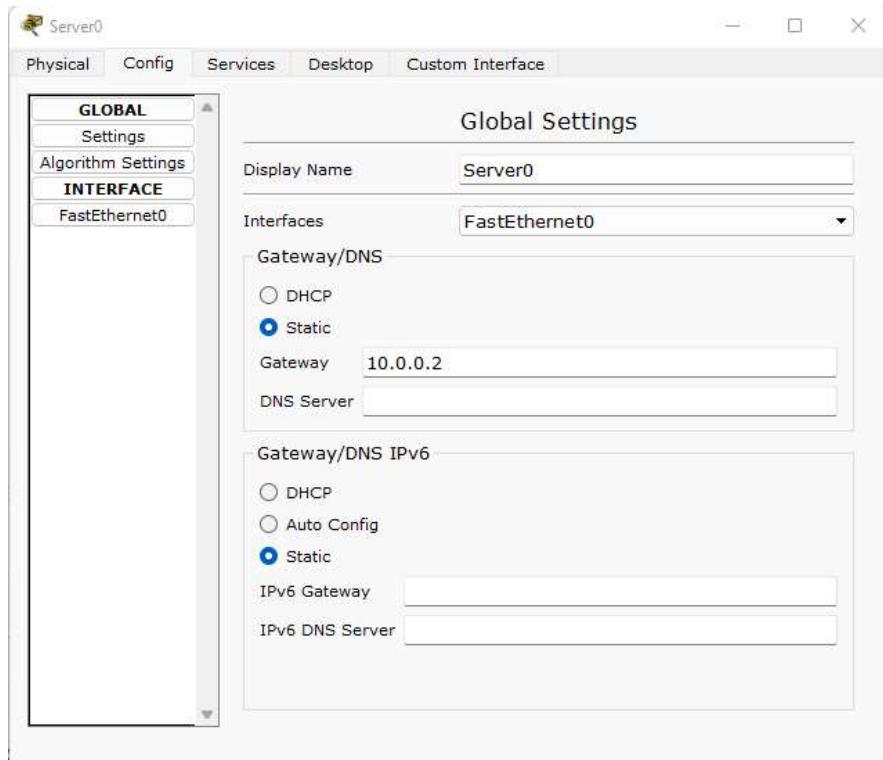


## WEEK-5:

Configure Web Browser, DNS within a LAN

Topology:





PC0

Physical Config Desktop Custom Interface

**GLOBAL**

Settings Algorithm Settings

**INTERFACE**

FastEthernet0

**FastEthernet0**

Port Status  On  
 100 Mbps  10 Mbps  Auto  
 Half Duplex  Full Duplex  Auto

Duplex  
MAC Address 0030.A368.58C9

IP Configuration  
 DHCP  Static  
IP Address 10.0.0.40  
Subnet Mask 255.0.0.0

IPv6 Configuration  
 DHCP  Auto Config  Static  
IPv6 Address /  
Link Local Address: FE80::230:A3FF:FE68:58C9

PC0

Physical Config Desktop Custom Interface

**GLOBAL**

**INTERFACE**

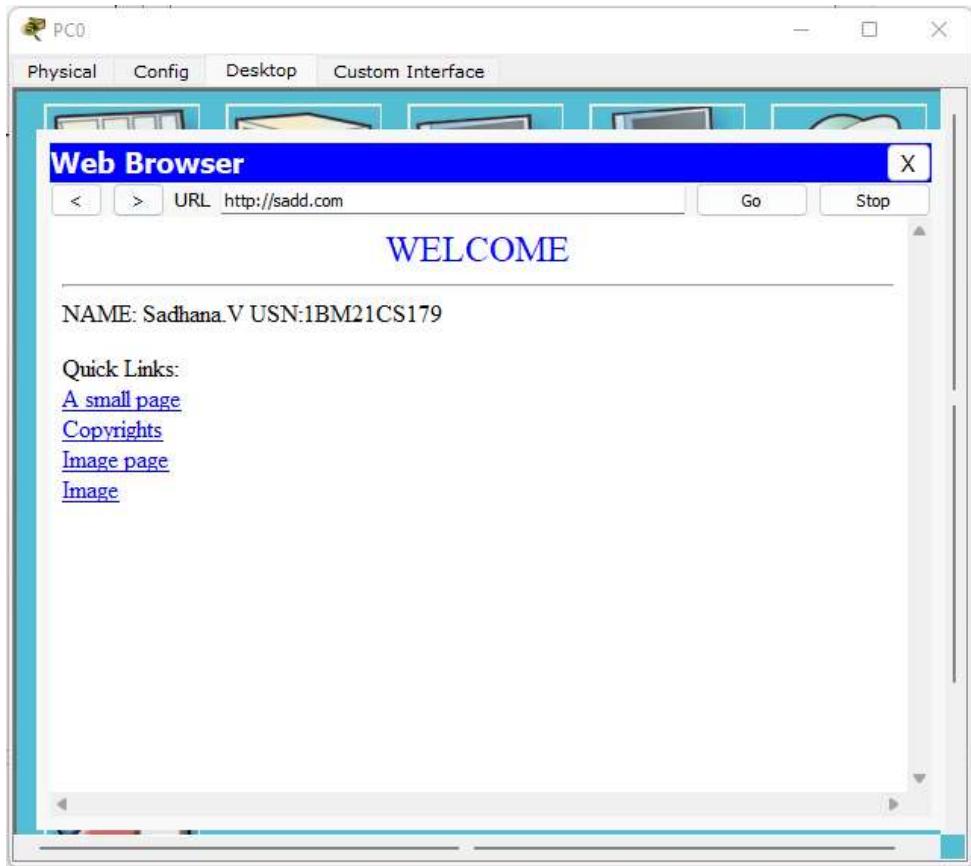
**Global Settings**

Display Name PC0

Gateway/DNS  
 DHCP  Static  
Gateway 10.0.0.2  
DNS Server

Gateway/DNS IPv6  
 DHCP  Auto Config  Static  
IPv6 Gateway  
IPv6 DNS Server

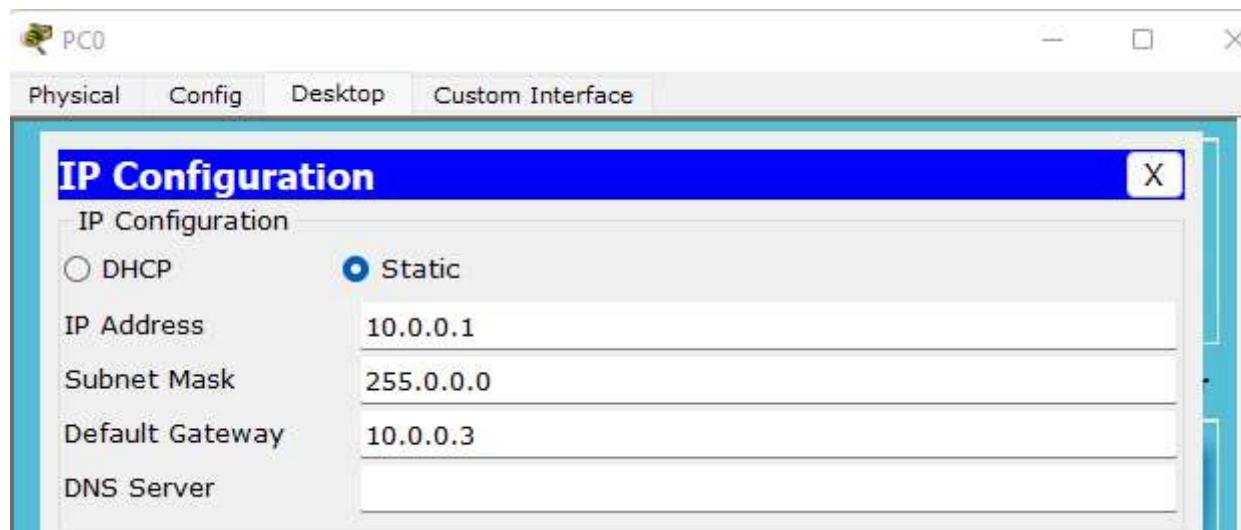
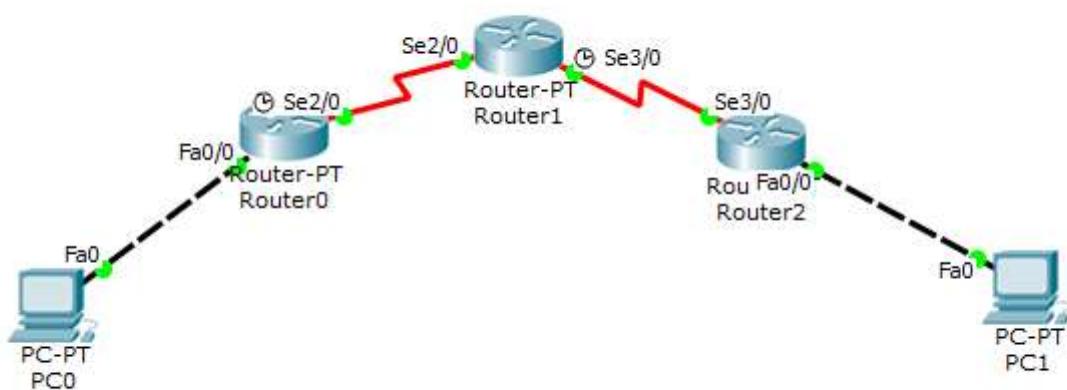
## OUTPUT:

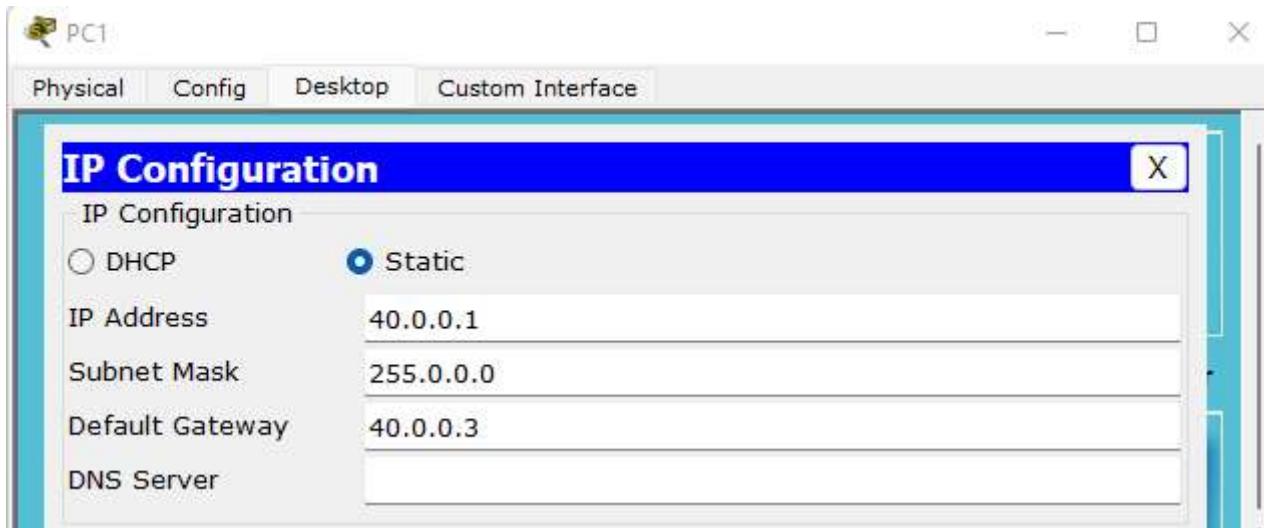


## Week 5

Configure RIP routing protocol with 3 routers

Topology:





## For Router 0:

```
Router>
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Fa0/0
Router(config-if)#ip address 10.0.0.3 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
```

```
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Se2/0
Router(config-if)#ip address 20.0.0.1 255.0.0.0
Router(config-if)#no shutdown

Router(config)#interface Se2/0
Router(config-if)#encapsulation ppp
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to down
no shutdown
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

```
Router(config-if)#interface Se2/0
Router(config-if)#clock rate 64000
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 10.0.0.0
Router(config-router)#network 20.0.0.0
```

```
Router(config-router)#exit  
Router(config)#exit  
Router#
```

## For Router 1:

```
Router>enable  
Router#config t  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#interface Se2/0  
Router(config-if)#ip address 20.0.0.3 255.0.0.0  
Router(config-if)#no shutdown  
  
Router(config-if)#  
%LINK-5-CHANGED: Interface Serial2/0, changed state to up  
  
Router(config-if)#interface Se3/0  
Router(config-if)#ip address 30.0.0.3 255.0.0.0  
Router(config-if)#no shutdown  
  
Router(config-if)#  
%LINK-5-CHANGED: Interface Serial3/0, changed state to up  
  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to down
```

```
Router(config-if)#interface Se2/0  
Router(config-if)#encapsulation ppp  
Router(config-if)#  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up  
no shutdown  
Router(config-if)#interface Se3/0  
Router(config-if)#encapsulation ppp  
Router(config-if)#  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to down  
no shutdown  
Router(config-if)#  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
```

```
Router>enable  
Router#config t  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#interface Se3/0  
Router(config-if)#clock rate 64000  
Router(config-if)#no shutdown  
Router(config-if)#exit
```

```
Router(config)#router rip
```

```
Router(config-router)#network 20.0.0.0
Router(config-router)#network 30.0.0.0
Router(config-router)#exit
Router(config)#exit
Router#
```

## For Router 2:

```
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Fa0/0
Router(config-if)#ip address 40.0.0.3 255.0.0.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#interface Se3/0
Router(config-if)#ip address 30.0.0.1 255.0.0.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial3/0, changed state to down
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

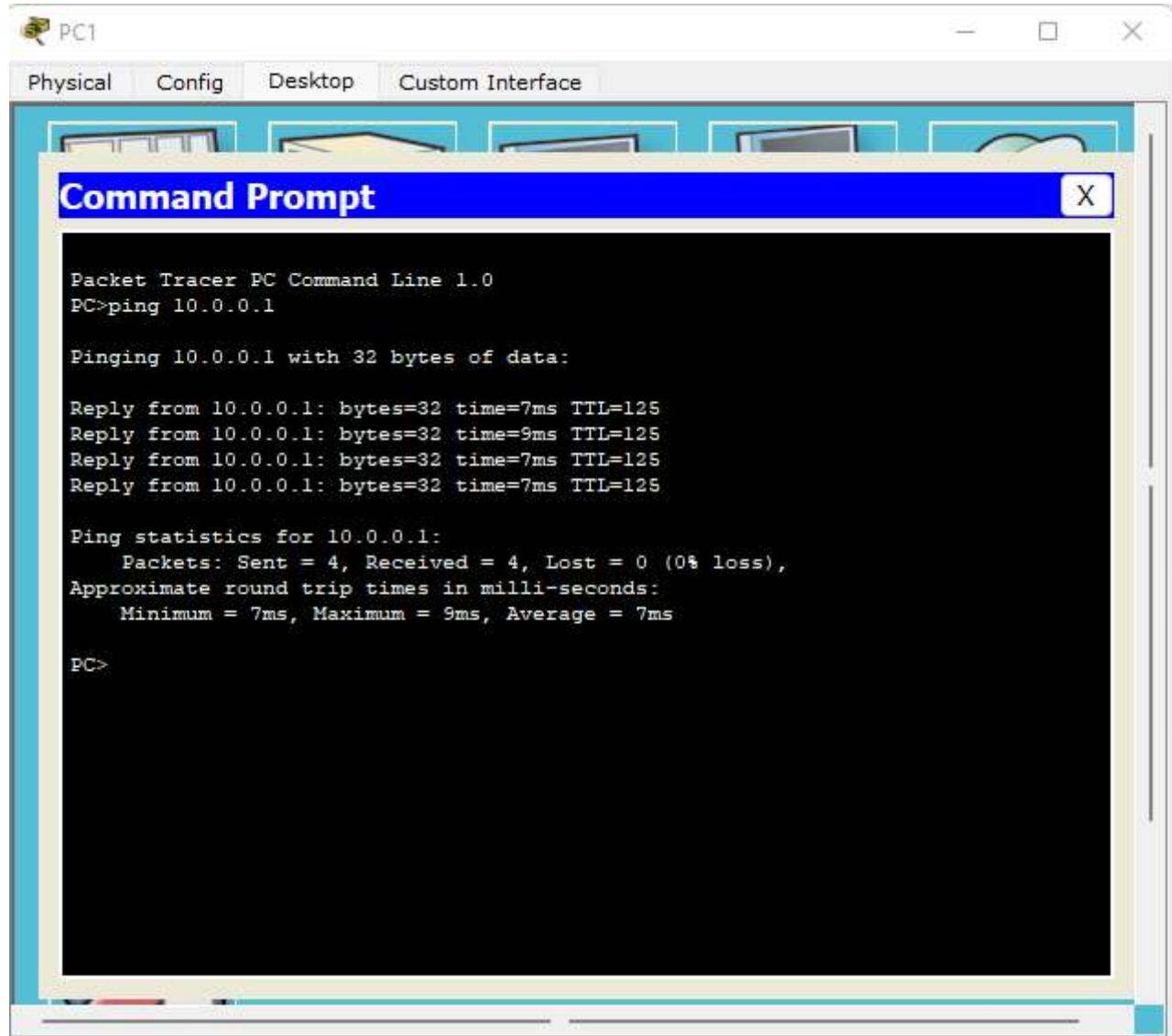
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

Router#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to down

Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Se3/0
Router(config-if)#encapsulation ppp
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
no shutdown

Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 30.0.0.0
Router(config-router)#network 40.0.0.0
Router(config-router)#exit
Router(config)#exit
```

## Output:



PC1

Physical Config Desktop Custom Interface

**Command Prompt** X

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time=7ms TTL=125
Reply from 10.0.0.1: bytes=32 time=9ms TTL=125
Reply from 10.0.0.1: bytes=32 time=7ms TTL=125
Reply from 10.0.0.1: bytes=32 time=7ms TTL=125

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 9ms, Average = 7ms

PC>
```