

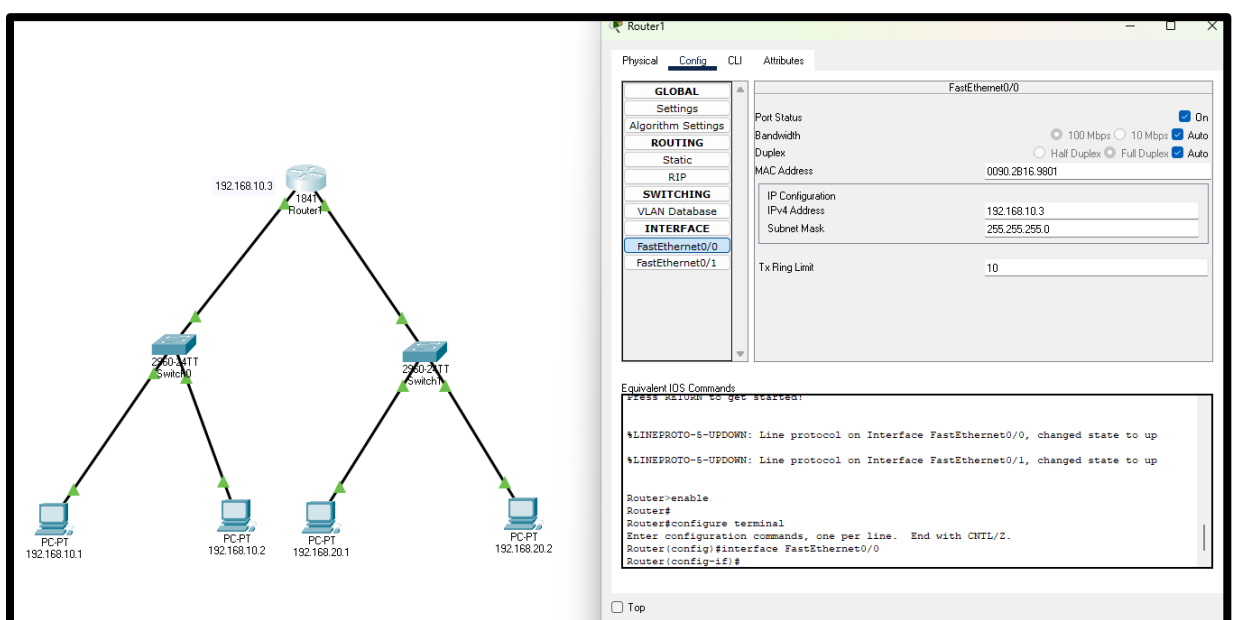
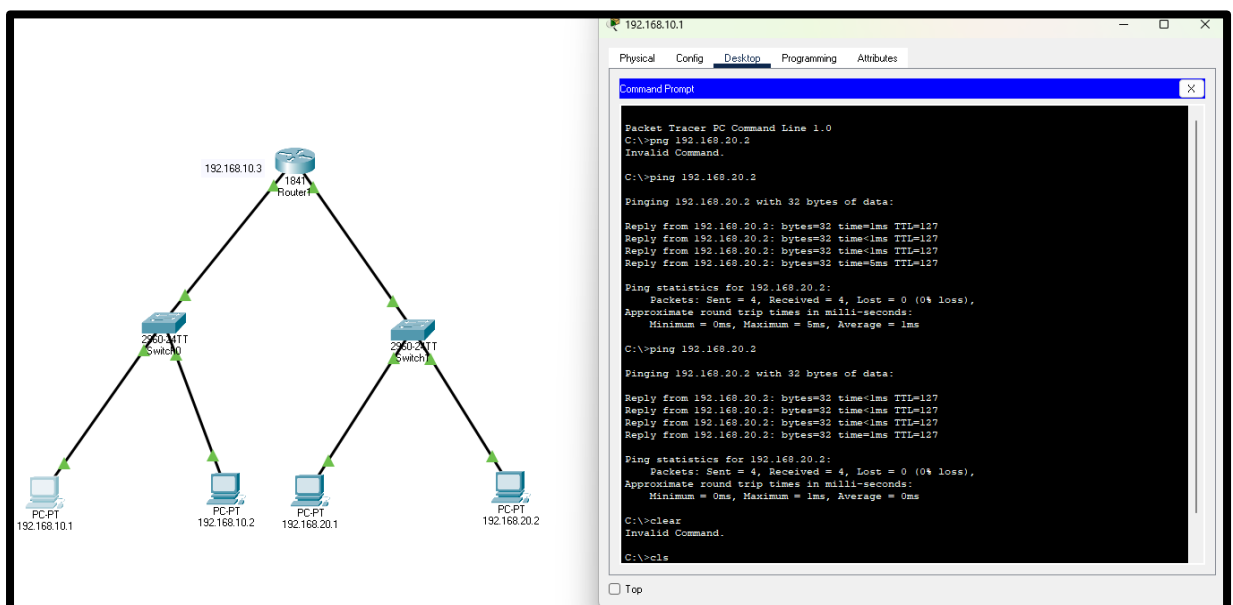
Date: 9/12/2025

Lab Practical #11:

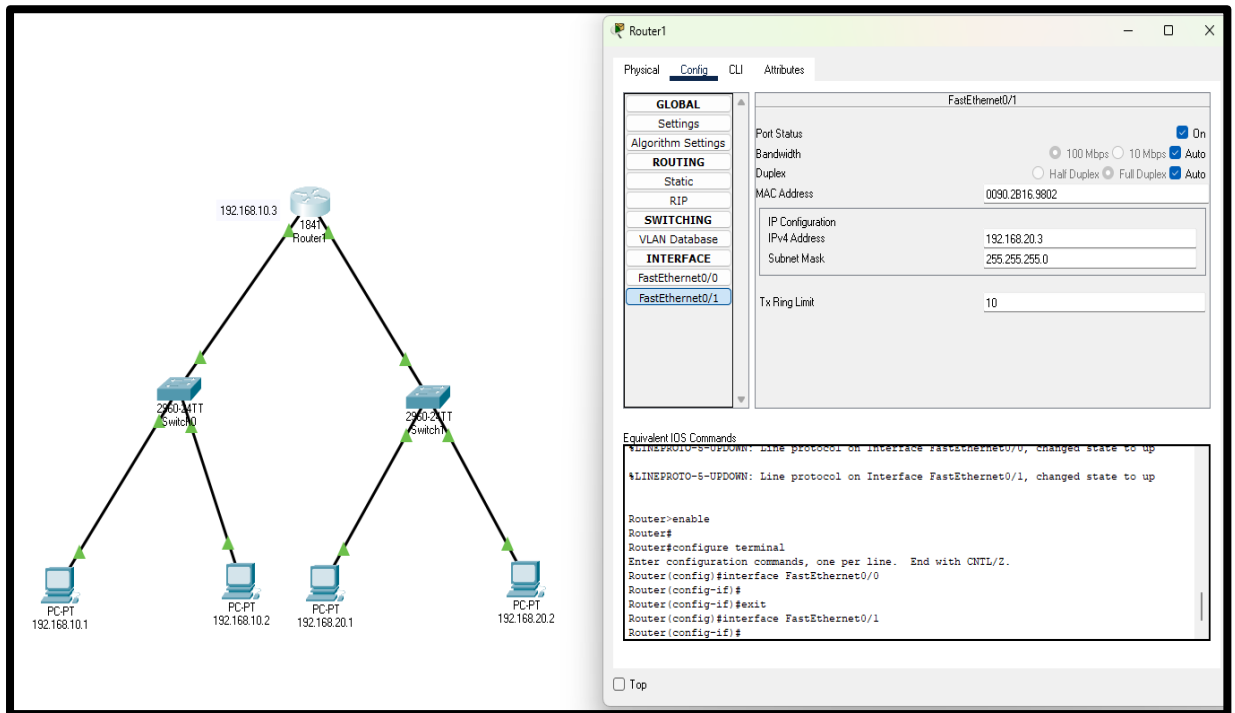
Study the concept of routing using packet tracer. (Dynamic Routing)

Practical Assignment #11:

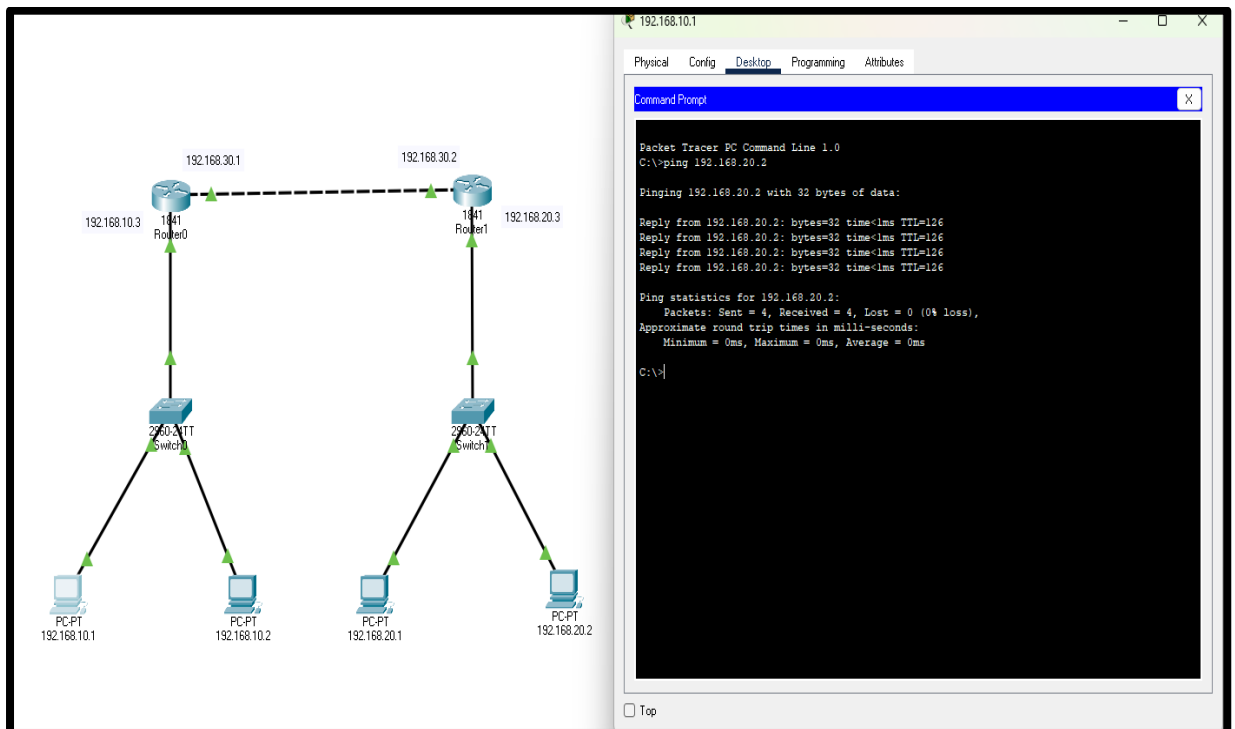
1. Connect the two different networks based on the calculated IP addresses and subnet using a packet tracer.



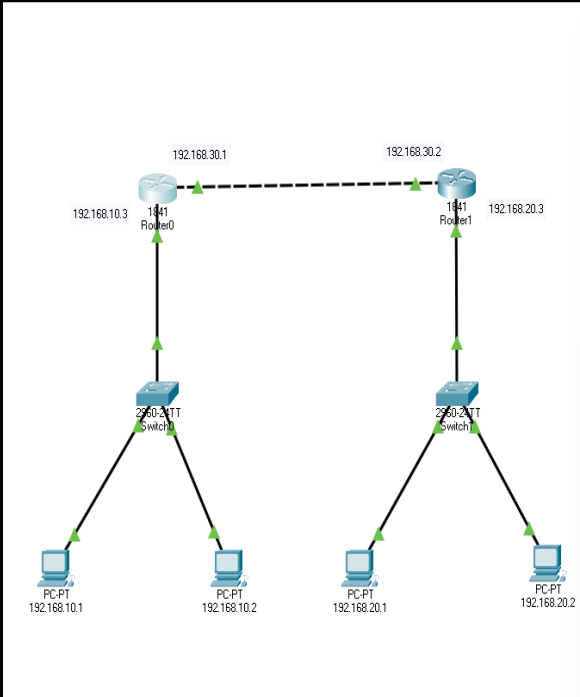
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2. Connect the three different networks based on the calculated IP addresses and subnet using a packet tracer.



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Router0 Configuration (FastEthernet0/0)

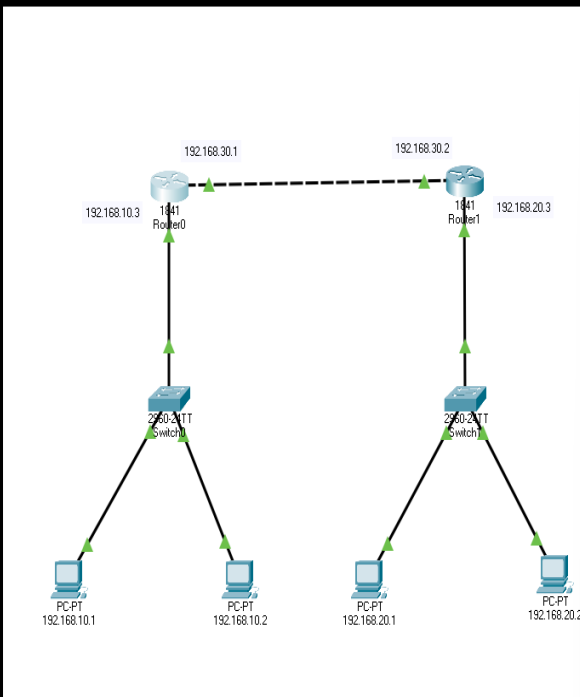
Property	Value
Port Status	On
Bandwidth	100 Mbps
Duplex	Full Duplex
MAC Address	00E0.80B6.6201
IP Configuration	192.168.10.3
Subnet Mask	255.255.255.0
Tx Ring Limit	10

Equivalent IOS Commands:

```

Router(config)#router #end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
                    
```



Router0 Configuration (FastEthernet0/1)

Property	Value
Port Status	On
Bandwidth	100 Mbps
Duplex	Full Duplex
MAC Address	00E0.80B6.6202
IP Configuration	192.168.30.1
Subnet Mask	255.255.255.0
Tx Ring Limit	10

Equivalent IOS Commands:

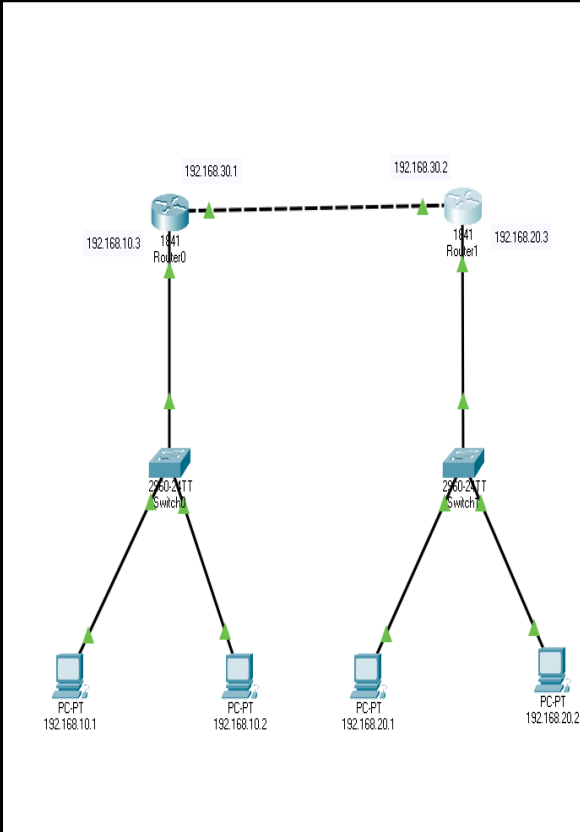
```

Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
                    
```

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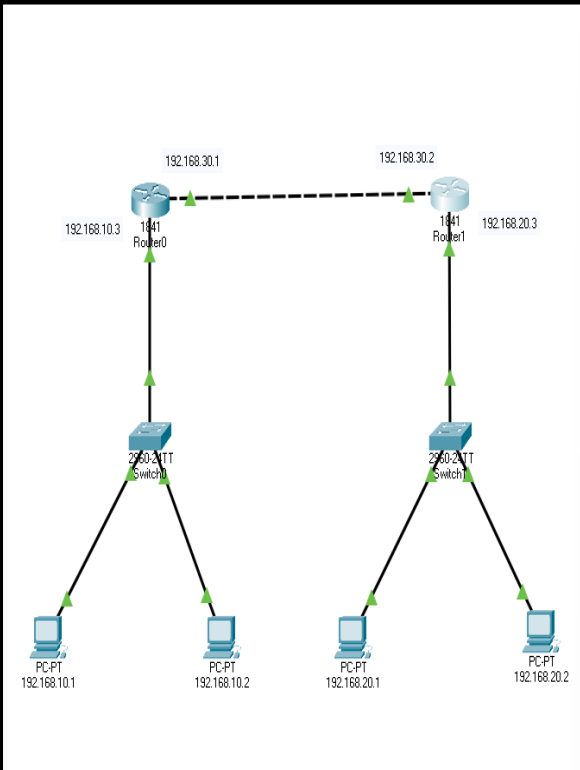


Router1 Configuration (FastEthernet0/0)

Port Status	On
Bandwidth	100 Mbps
Duplex	Full Duplex
MAC Address	0001.C760.1501
IP Configuration	
IPv4 Address	192.168.20.3
Subnet Mask	255.255.255.0
Tx Ring Limit	10

Equivalent IOS Commands:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```



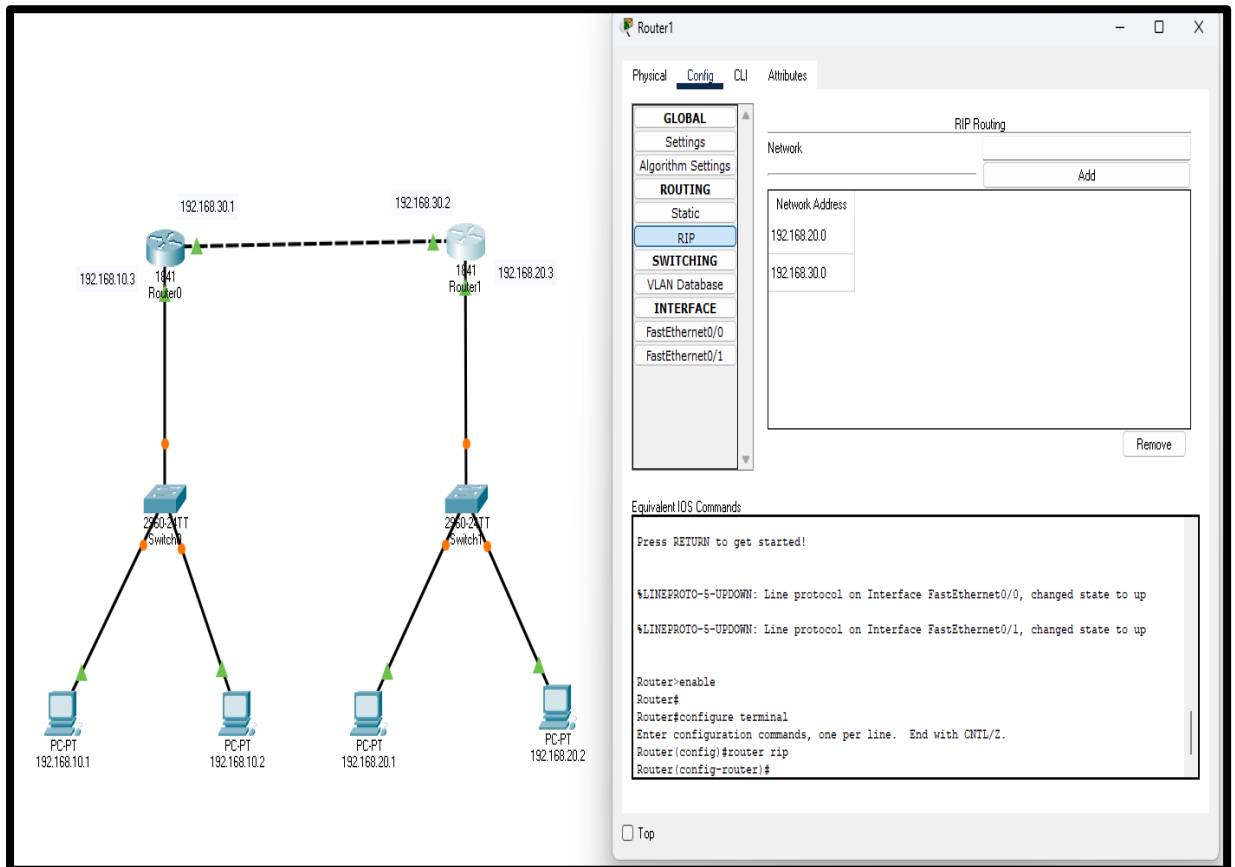
Router1 Configuration (FastEthernet0/1)

Port Status	On
Bandwidth	100 Mbps
Duplex	Full Duplex
MAC Address	0001.C760.1502
IP Configuration	
IPv4 Address	192.168.30.2
Subnet Mask	255.255.255.0
Tx Ring Limit	10

Equivalent IOS Commands:

```
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
```

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Router1

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

RIP Routing

Network

Add

Network Address

192.168.20.0

192.168.30.0

Remove

Equivalent IOS Commands

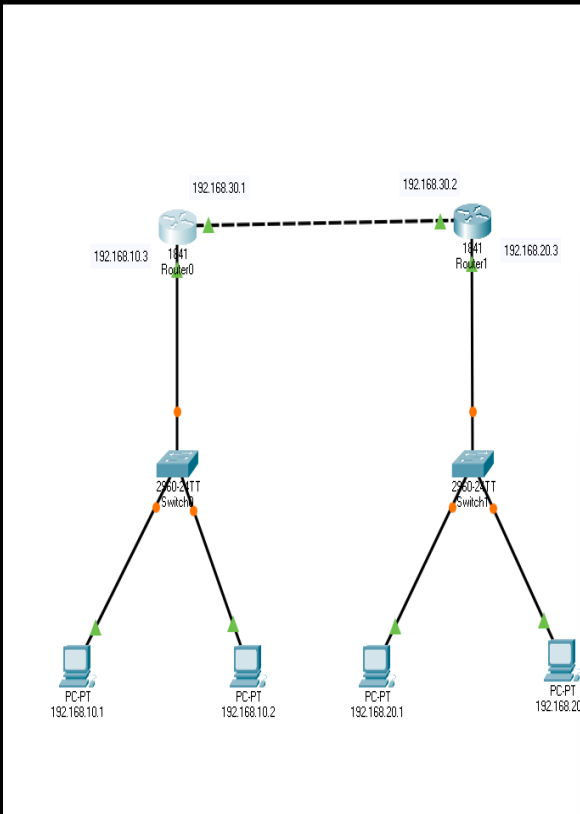
Press RETURN to get started!

```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
          
```

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Router0

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

RIP Routing

Network

Add

Network Address

192.168.10.0

192.168.30.0

Remove

Equivalent IOS Commands

Press RETURN to get started!

```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
          
```

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