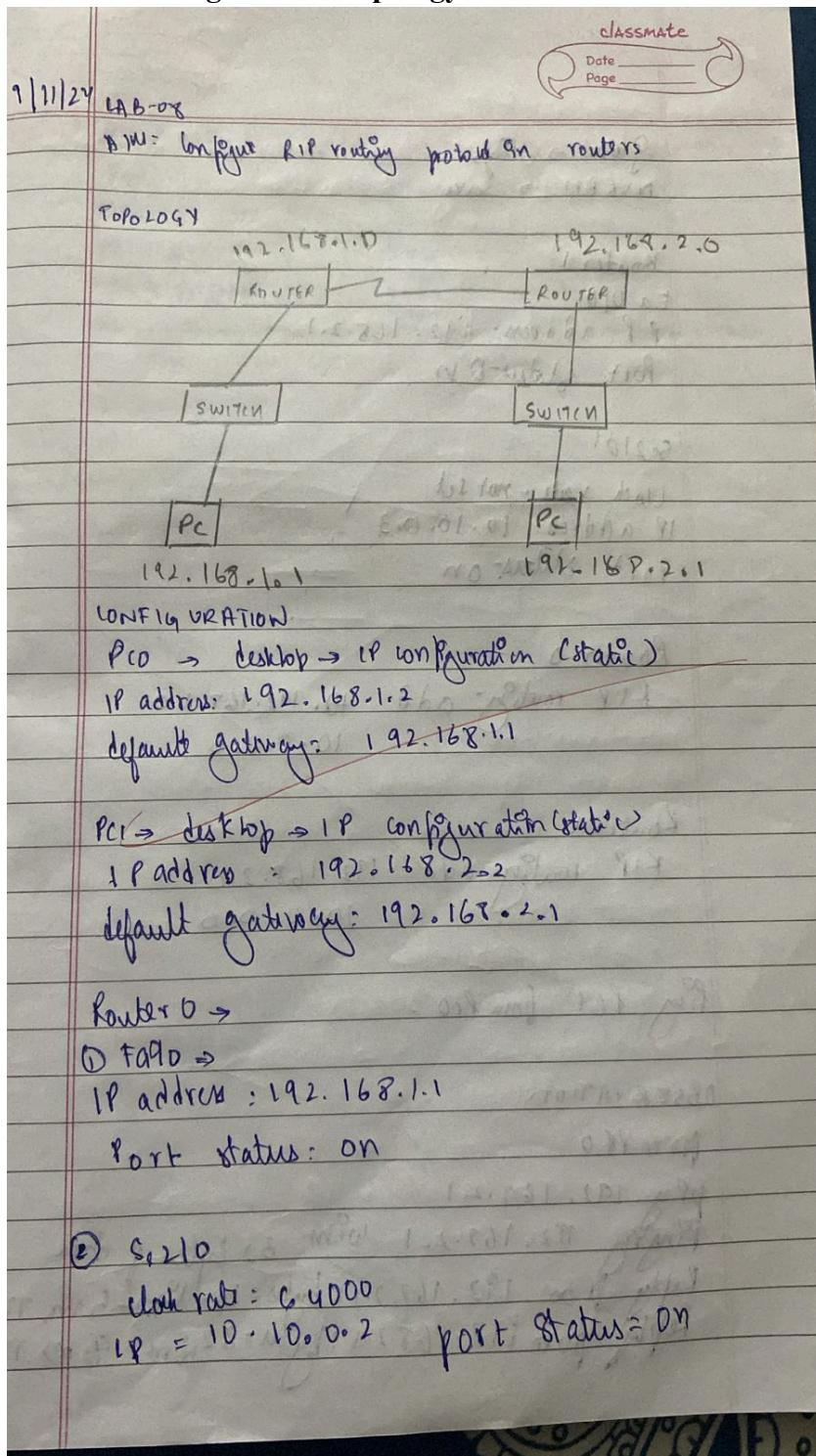


Program 8

Aim of the program: Configure RIP routing Protocol in Routers

Procedure along with the topology



classmate
Date _____
Page _____

Global \rightarrow settings
NVRAM \rightarrow save

Router 1
Fa 0/0
IP address: 192.168.2.1
Port status: ON

Se 2/0
Clock rate - not set
IP address 10.10.0.3
Port status: on

Router 0
RIP routing: add 192.168.1.0
10.0.0.0

Router 1
RIP routing: add 192.168.2.0
10.0.0.0

Ping PC1 from PC0 -

OBSERVATION

Ping from PC0
IP: 192.168.2.1

Ping to 192.168.2.1 100% 32 bytes of data

Reply from 192.168.2.1: bytes=32 time=5 ms TTL=128

Reply from 192.168.2.1: bytes=32 time=48 ms TTL=128

classmate

Date _____

Pag

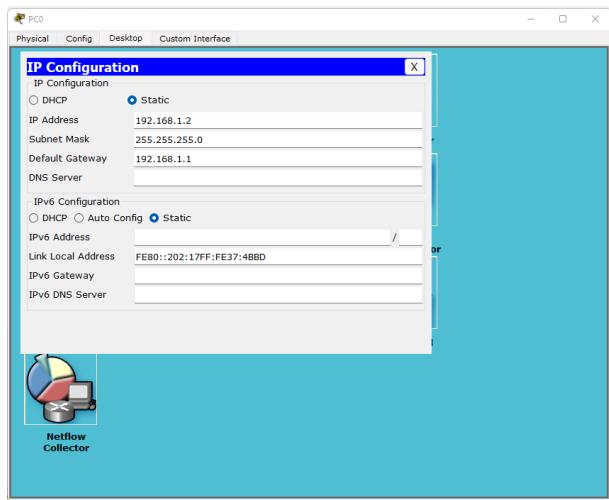
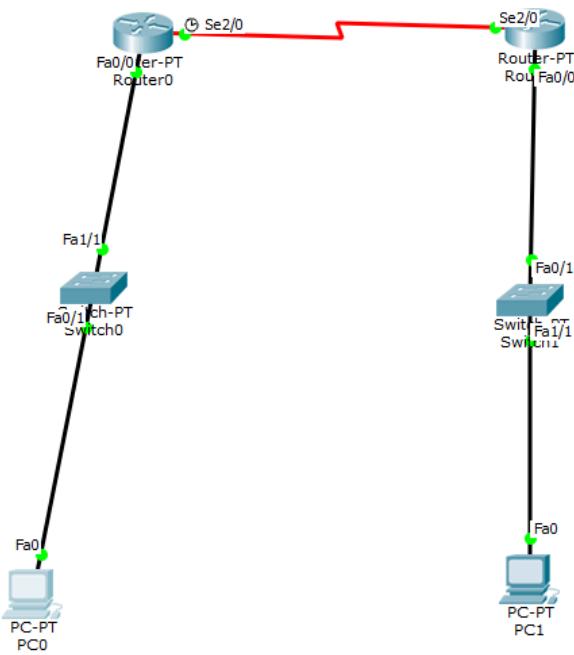
Reply from 192.168.2.1: bytes=32 time=1ms TTL=254
Reply from 192.168.2.1: bytes=32 time=7ms TTL=254

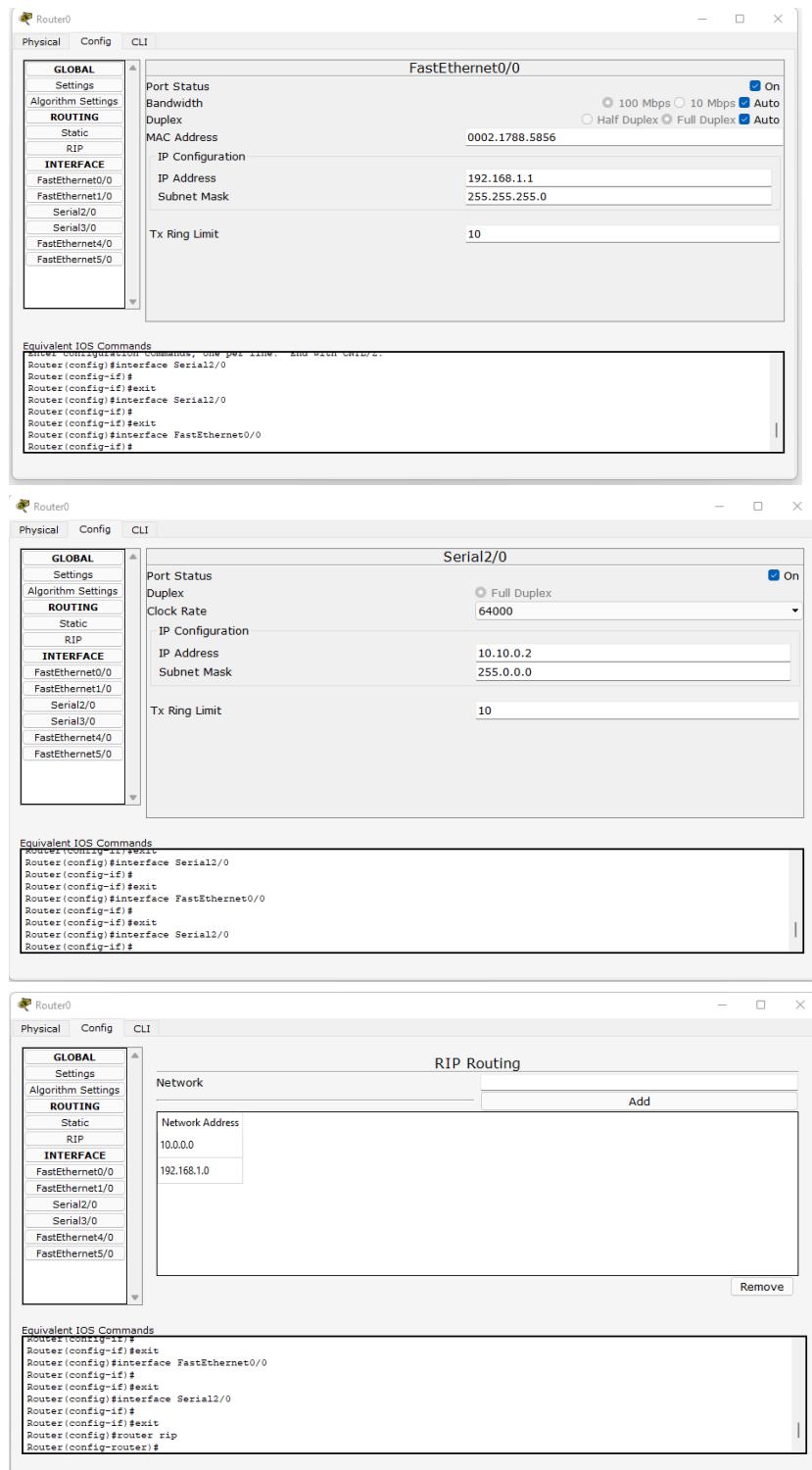
~~Ping History for 192.168.2.1~~

Path length = $\text{Scat} = n \cdot \text{Refract} = 4 \cdot \text{Lob} = 0.001 + 0.002$
 Minimum = 5 nm, Maximum = 1^2 m , Average = 7 nm

~~2011/12~~

Screen shots/ output





Router1

Physical Config CLI

IOS Command Line Interface

```
%LINK-S-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-S-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#
Router(config)#router rip
Router(config-router)#network 192.168.2.0
Router(config-router)#network 10.0.0.0
Router(config-router)#
Router(config-router)#
Router(config-router)#
Router(config-router)#
Router(config-router)#
Router(config-router)#
Router(config)#
Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#
Router(config-if)#end
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
SYS-5-CONFIG_I: Configured from console by console
```

Copy Paste

PC0

Physical Config Desktop Custom Interface

Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.1.0

Pinging 192.168.1.0 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.1: bytes=32 time=0ms TTL=255
Reply from 192.168.1.1: bytes=32 time=0ms TTL=255
Reply from 192.168.1.1: bytes=32 time=0ms TTL=255

Ping statistics for 192.168.1.0:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=5ms TTL=254
Reply from 192.168.2.1: bytes=32 time=6ms TTL=254
Reply from 192.168.2.1: bytes=32 time=12ms TTL=254
Reply from 192.168.2.1: bytes=32 time=7ms TTL=254

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 12ms, Average = 7ms

PC>
```

Observation

CLASSMATE
Date _____
Page _____

Global → settings
NVRAM → save

Router 1
Fa 0/0
IP address = 192.168.2.1
Port status = On

Switch 10
Clock rate - not set
IP address 10.10.0.3
Port status: on

Router 0
RIP routing add 192.168.1.0
10.0.0.0

Router 1
RIP routing add 192.168.2.0
10.0.0.0

Ping from RCO.

OBSERVATION

From RCO
Ping 192.168.2.1

Ping to 192.168.2.1 with 32 bytes of data

Reply from 192.168.2.1: bytes = 32 time = 5 ms TTL = 255

Reply from 192.168.2.1: bytes = 32 time = 46 ms TTL = 255

classmate
Date _____
Page _____

Reply from 192.168.2.1 : bytes=32 time=1ms TTL: 254

Reply from 192.168.2.1 : bytes=32 time=1ms TTL: 254

Ping statistics for 192.168.2.1

(1) packets: sent=4 received=4 Lost=0 (0% loss)

Minimum=1ms, Maximum=1ms, Average=1ms

19/11/20