WEEK 2

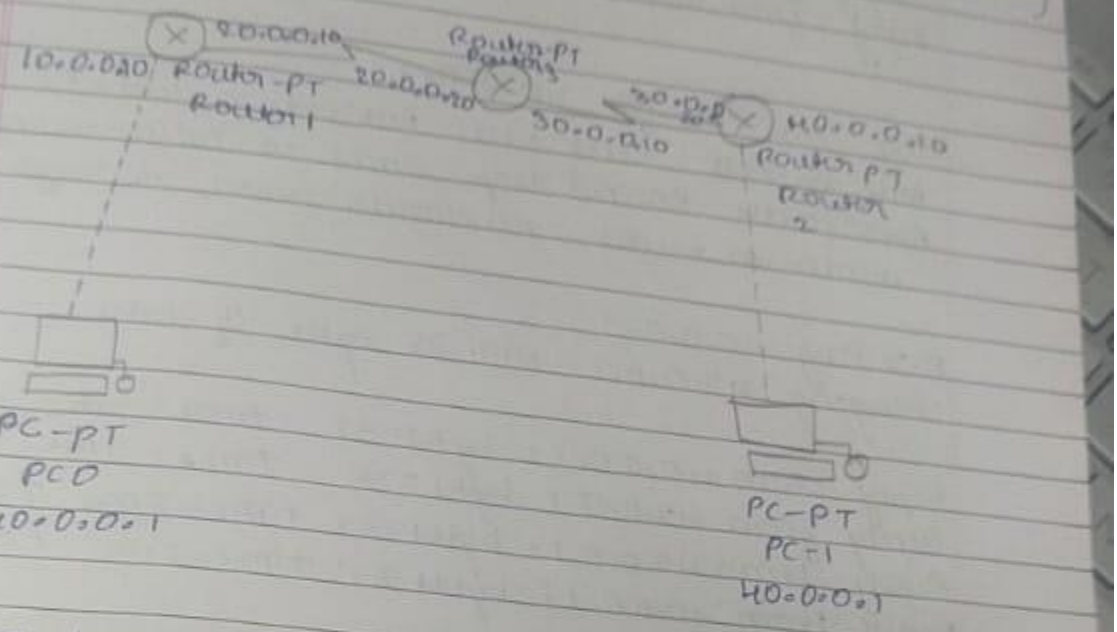
Configure IP address to routers (one and three) in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply.

OBSERVATION:

2b) Aim: configure IP address to router in packet tracer PING response destination unreachable Reply

Topology

Topology Rem-Conf



Procedure:- Take two PC's and 3 routers connect one PC to one Router and another PC to another router. connect these two Routers to another Router and set IP adress and gate ways of PC & Router, when the Routers are ready to communicate Sent Message from one PC to another PC and see the Results

Results:

ping 40.0.0.0.1

Pinging 40.0.0.1 with 32 byte of data

Request timed out.
Reply from 40.0.0.1 : bytes=32 time<1ms TTL=
Reply from 40.0.0.1 : bytes=32 time=1ms TTL=
Reply from 40.0.0.1 : bytes=32 time=8ms TTL=

Ping statistics for 40.0.0.1
Ping packets : sent = 10, Received = 3, lost = 1, (30% loss)
Approximate Round trip times in milli-seconds
minimum = 4ms, maximum = 15ms, Average = 8ms

PC> Ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data

Reply from 40.0.0.1 : bytes=32 time=3ms TTL=
Reply from 40.0.0.1 : bytes=32 time=3ms TTL=
Reply from 40.0.0.1 : bytes=32 time=2ms TTL=
Reply from 40.0.0.1 : bytes=32 time=2ms TTL=

Ping statistics for 40.0.0.1 :
Packets : sent = 4, Received = 4, Lost = 0 (0% loss)
Approximate Round trip times in milli-seconds
minimum = 2ms maximum = 3ms Average = 2ms

Observation : connect PC and Router as shown in topology, when the Routers are Ready to communicate with each other send message from one pc to another pc and Ping in command Promt and see the Results

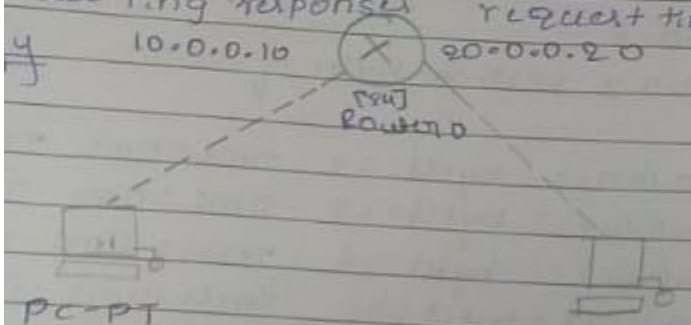
ab 2

DATE: 22-06- PAGE:

configure IP address to router in packet tracer
Explore the following messages: Ping responses
destination unreachable, request timed out, Reply

Topology

Aim: configue IP address to router in packet tracer
Ping responses request timed out, Reply

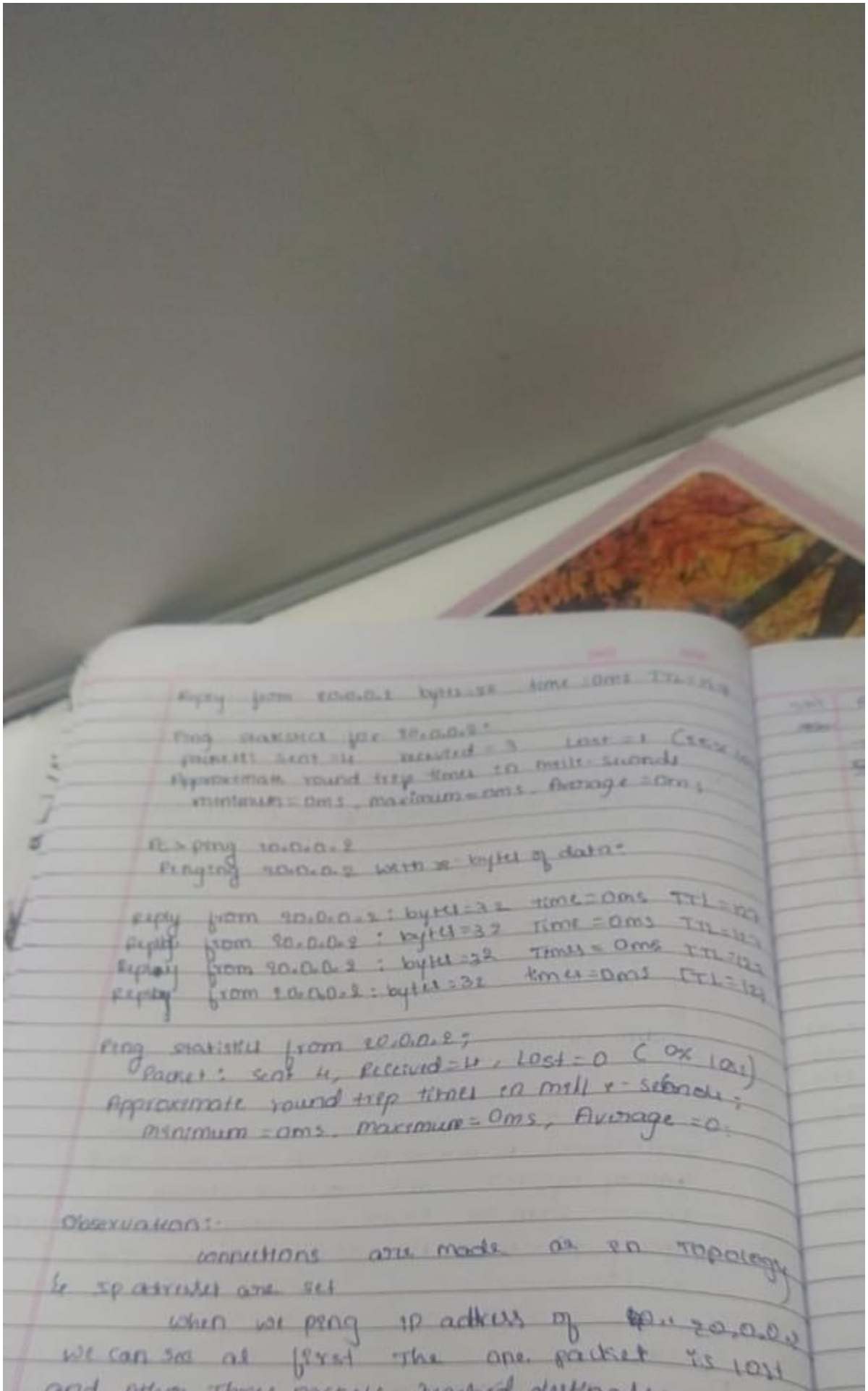


Procedure:- Take two pcs and one router
connect Router to PC's. Set IP adress and
gateway of PC's and set IP adresses of
router. When the Router is ready to communicate
ping pc0 to pc1 and observe the
results

Out:

ping 20.0.0.2

ing 20.0.0.2 with 32 bytes of data:



Reply from 20.0.0.2 bytes=32 time=0ms TTL=128

Ping statistics for 20.0.0.2:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss)
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 20.0.0.2
Pinging 20.0.0.2 with 32 bytes of data:

Reply from 20.0.0.2: bytes=32 time=0ms TTL=128
Reply from 20.0.0.2: bytes=32 time=0ms TTL=128
Reply from 20.0.0.2: bytes=32 time=0ms TTL=128
Reply from 20.0.0.2: bytes=32 time=0ms TTL=128

Ping statistics from 20.0.0.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss)
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms

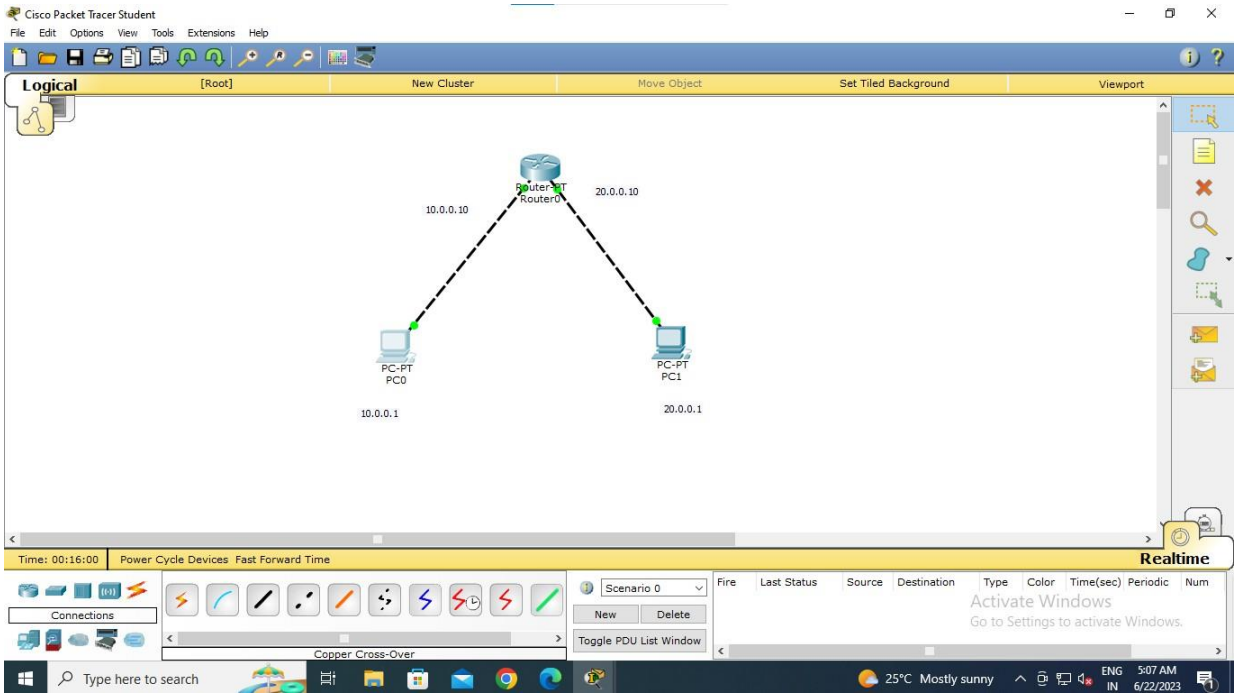
Observation:

connections are made as per topology
& ip address are set

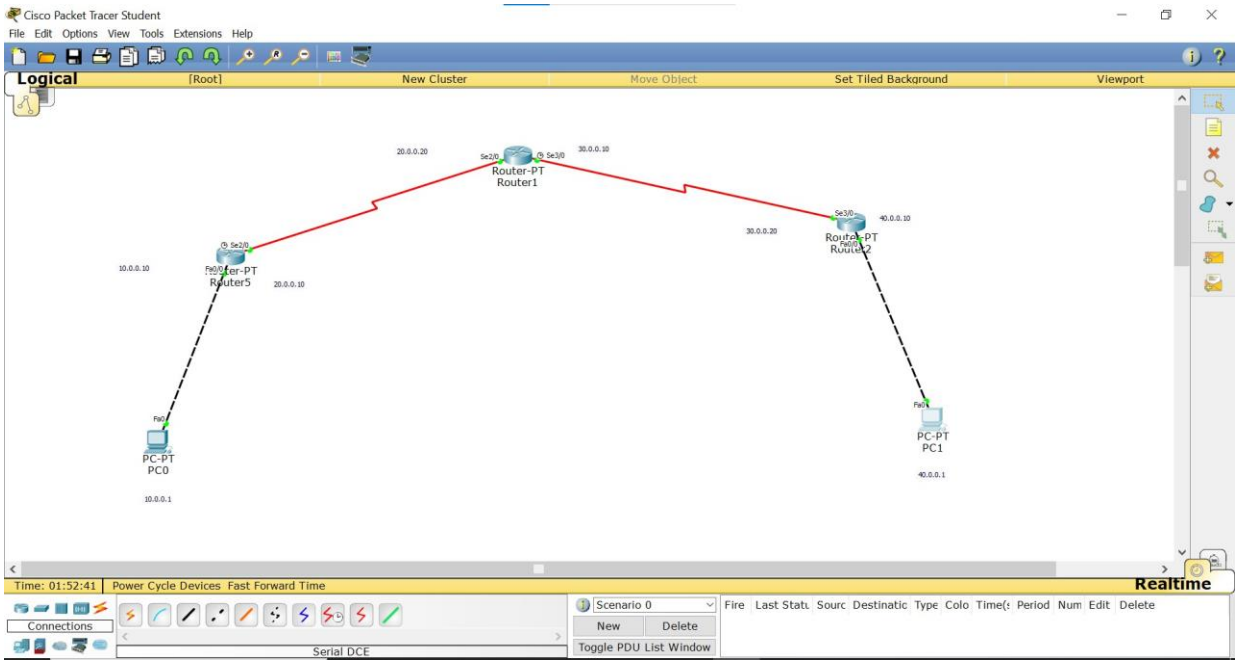
when we ping ip address of 20.0.0.2
we can see at first the one packet is lost

TOPOLOGY:

PROGRAM 2.1

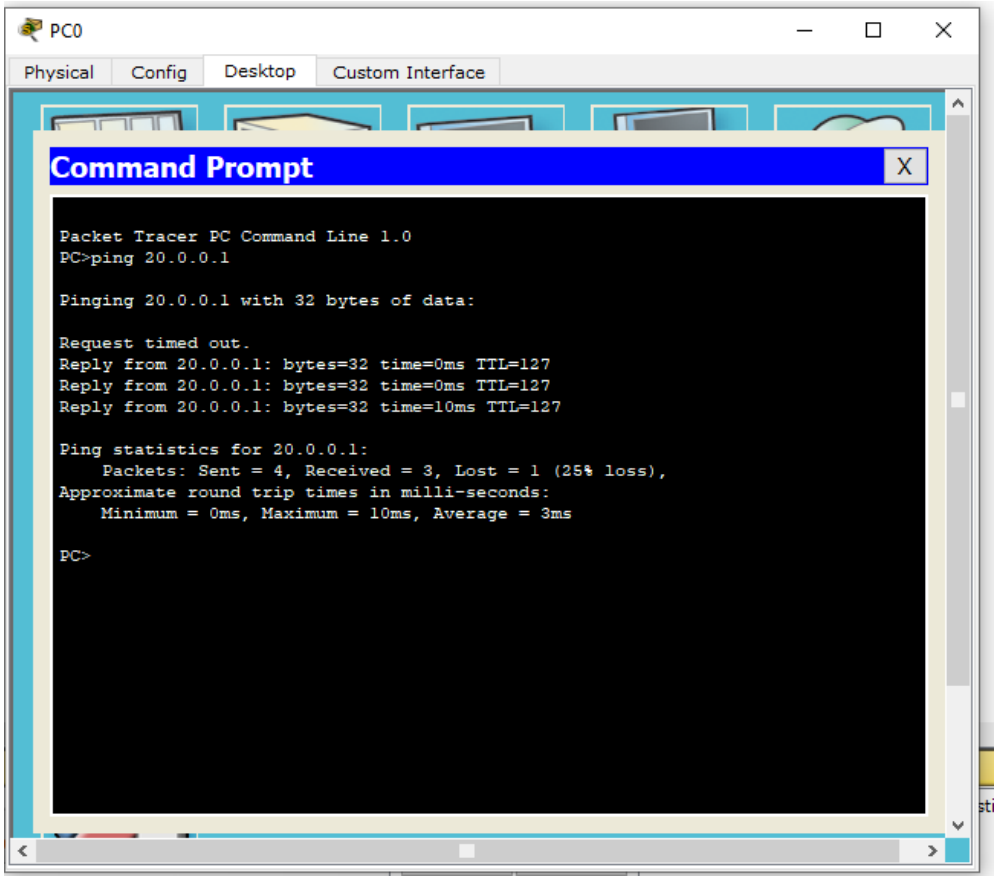


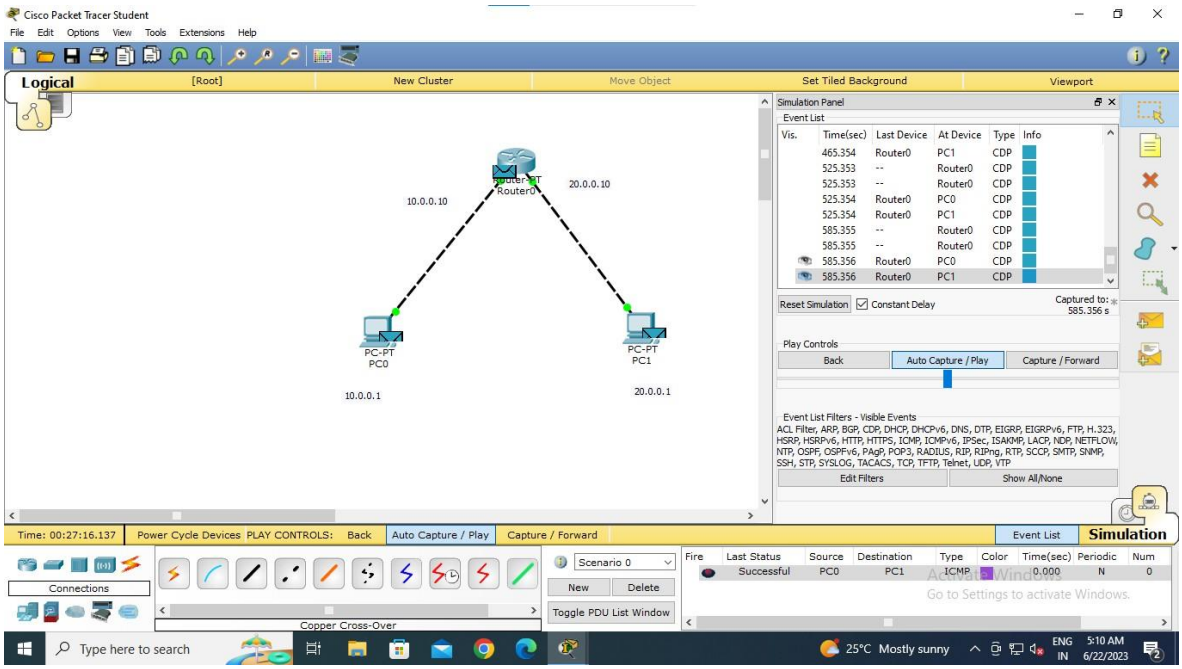
PROGRAM 2.2



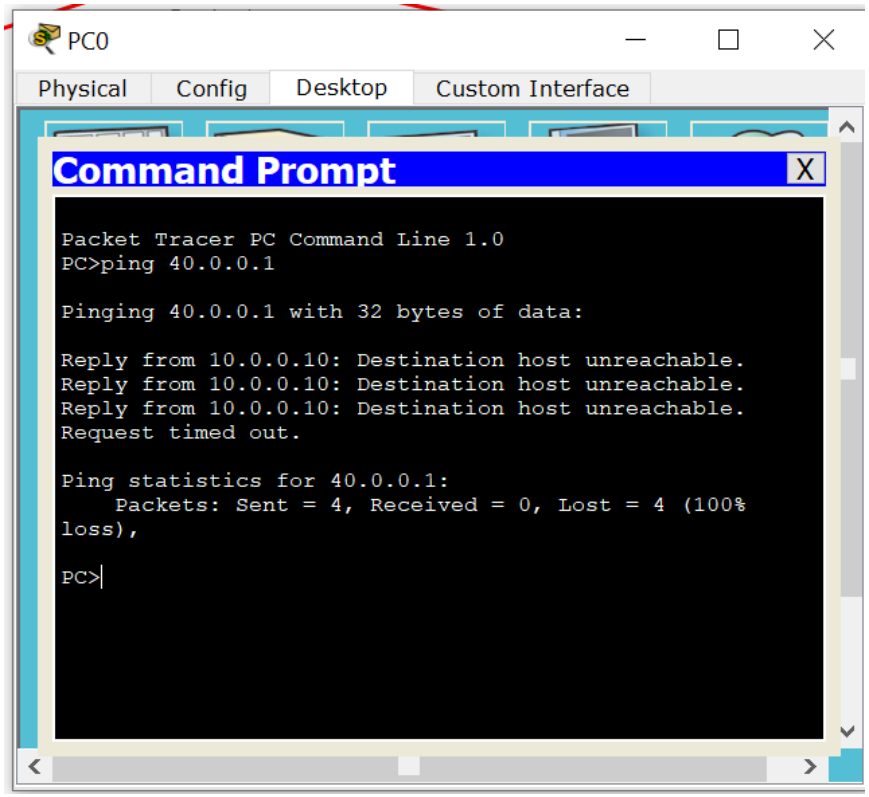
OUTPUT:

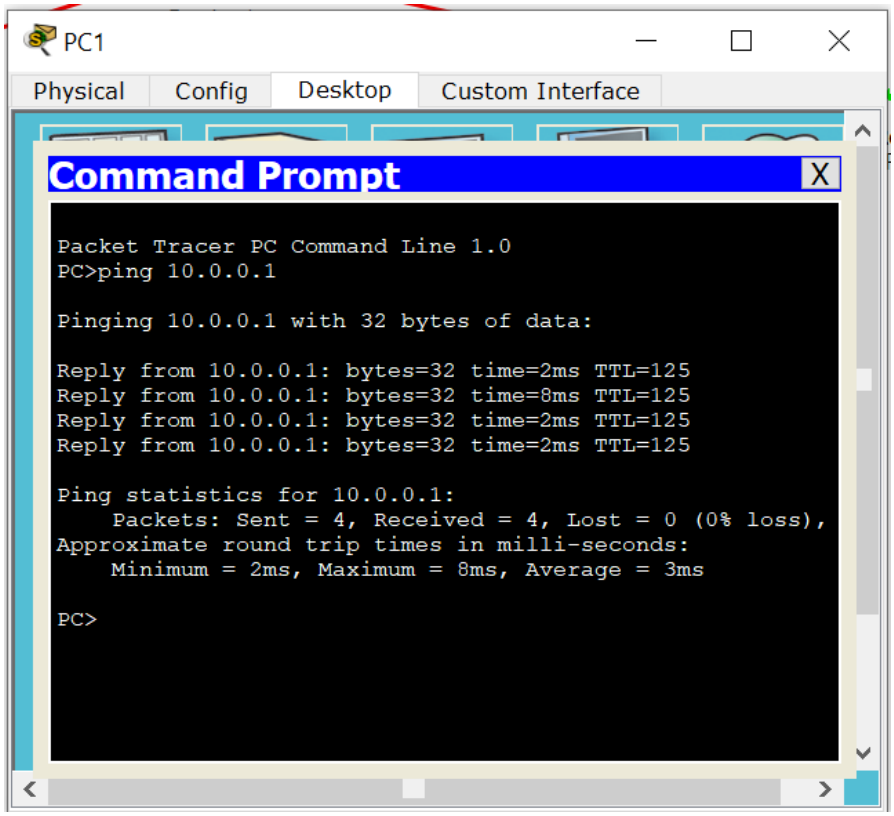
PROGRAM 2.1

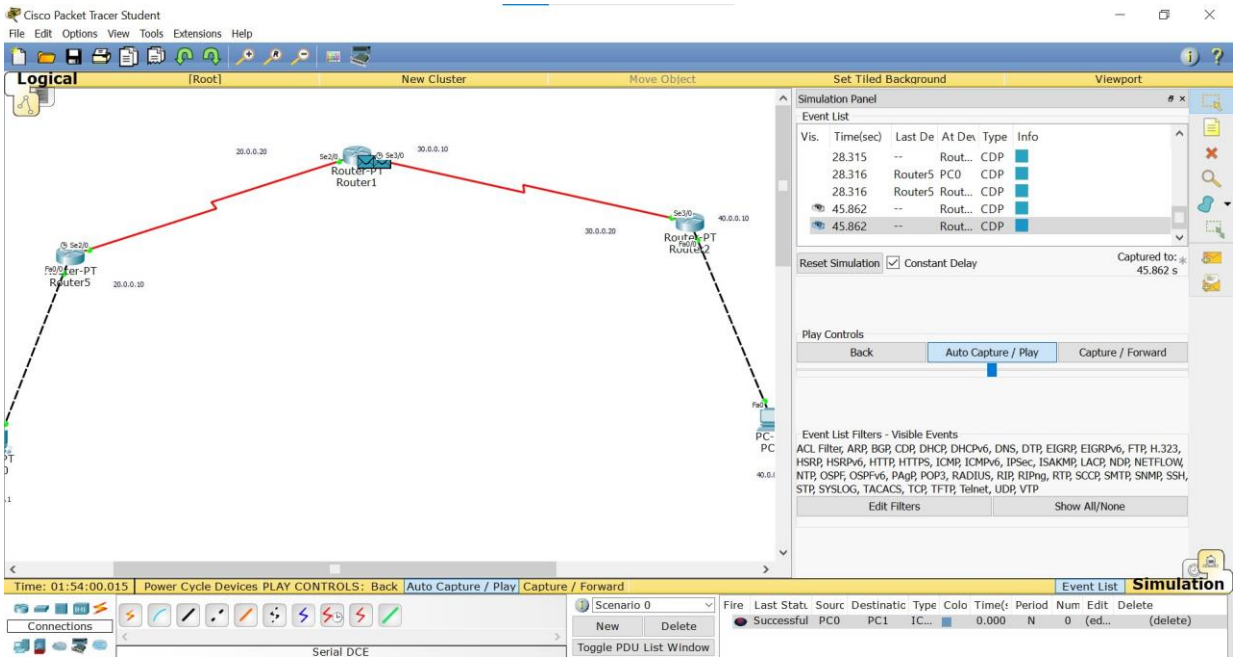




PROGRAM 2.2


PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data:
Reply from 10.0.0.10: Destination host unreachable.
Reply from 10.0.0.10: Destination host unreachable.
Reply from 10.0.0.10: Destination host unreachable.
Request timed out.
Ping statistics for 40.0.0.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100%
loss),
PC>


PC1
Physical
Config
Desktop
Custom Interface
Command Prompt
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=2ms TTL=125
Reply from 10.0.0.1: bytes=32 time=8ms TTL=125
Reply from 10.0.0.1: bytes=32 time=2ms TTL=125
Reply from 10.0.0.1: bytes=32 time=2ms 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 = 2ms, Maximum = 8ms, Average = 3ms
PC>


Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Router-PT
Router1
Router5
Router2
PC-PC
20.0.0.20
30.0.0.10
30.0.0.20
40.0.0.10
20.0.0.10
Simulation Panel
Event List
Vis. Time(sec) Last De At De Type Info
28.315 -- Rout... CDP
28.316 Router5 PC0 CDP
28.316 Router5 Rout... CDP
45.862 -- Rout... CDP
45.862 -- Rout... CDP
Reset Simulation
Constant Delay
Captured to: 45.862 s
Play Controls
Back
Auto Capture / Play
Capture / Forward
Event List Filters - Visible Events
ACL Filter, ARP, BGP, CDP, DHCP, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP
Edit Filters
Show All/None
Time: 01:54:00.015
Power Cycle Devices PLAY CONTROLS: Back
Auto Capture / Play
Capture / Forward
Event List
Simulation
Connections
Serial DCE
Scenario 0
New
Delete
Toggle PDU List Window
Fire Last Statu Sourc Destinatic Type Colo Time(s Period Num Edit Delete
Successful PC0 PC1 IC... 0.000 N 0 (ed... (delete)