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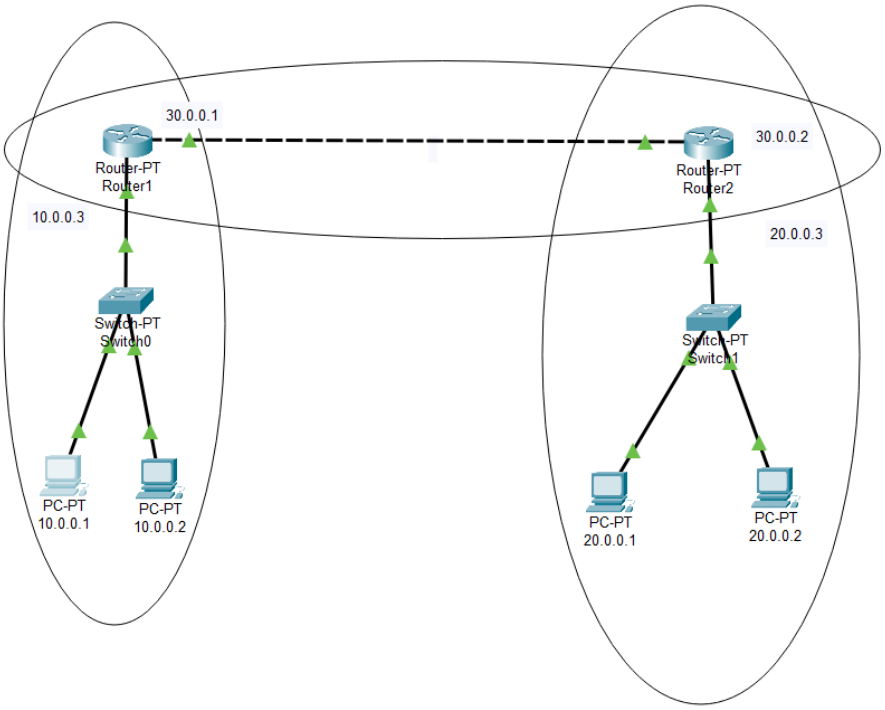
Lab Practical #11:

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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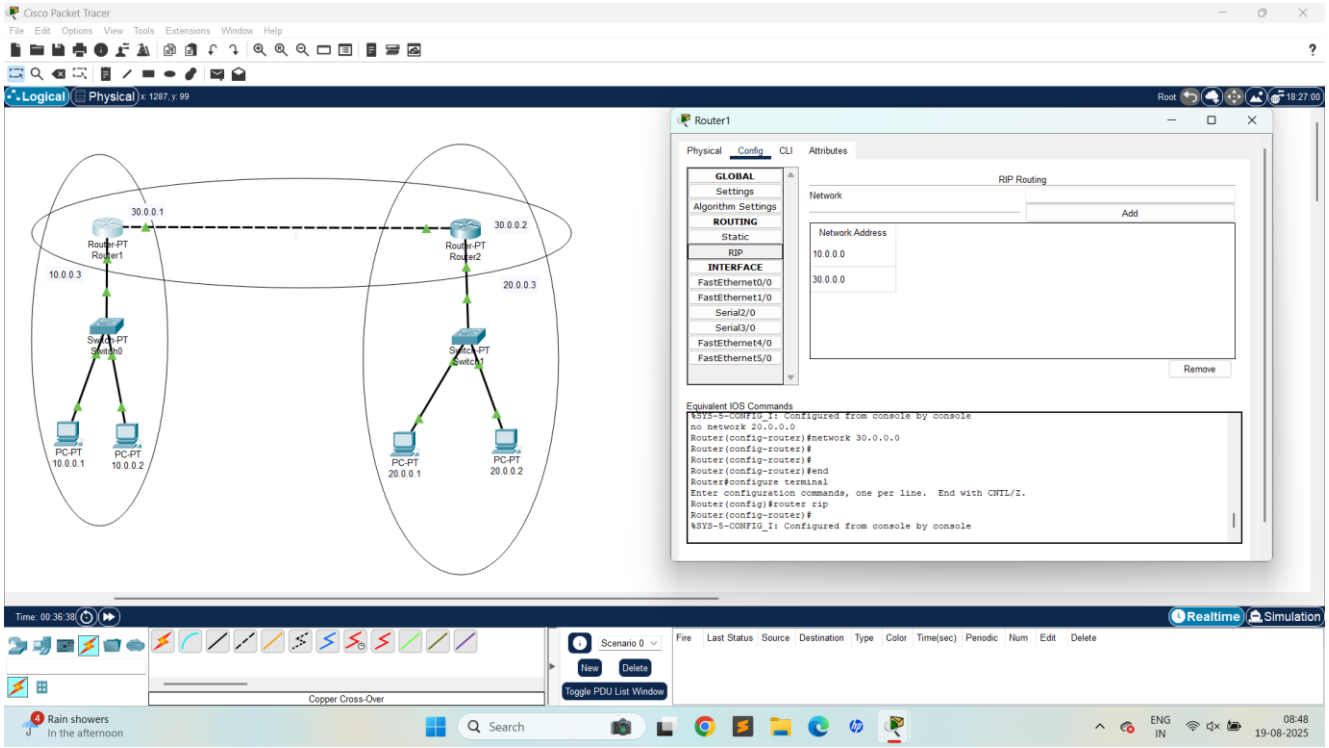
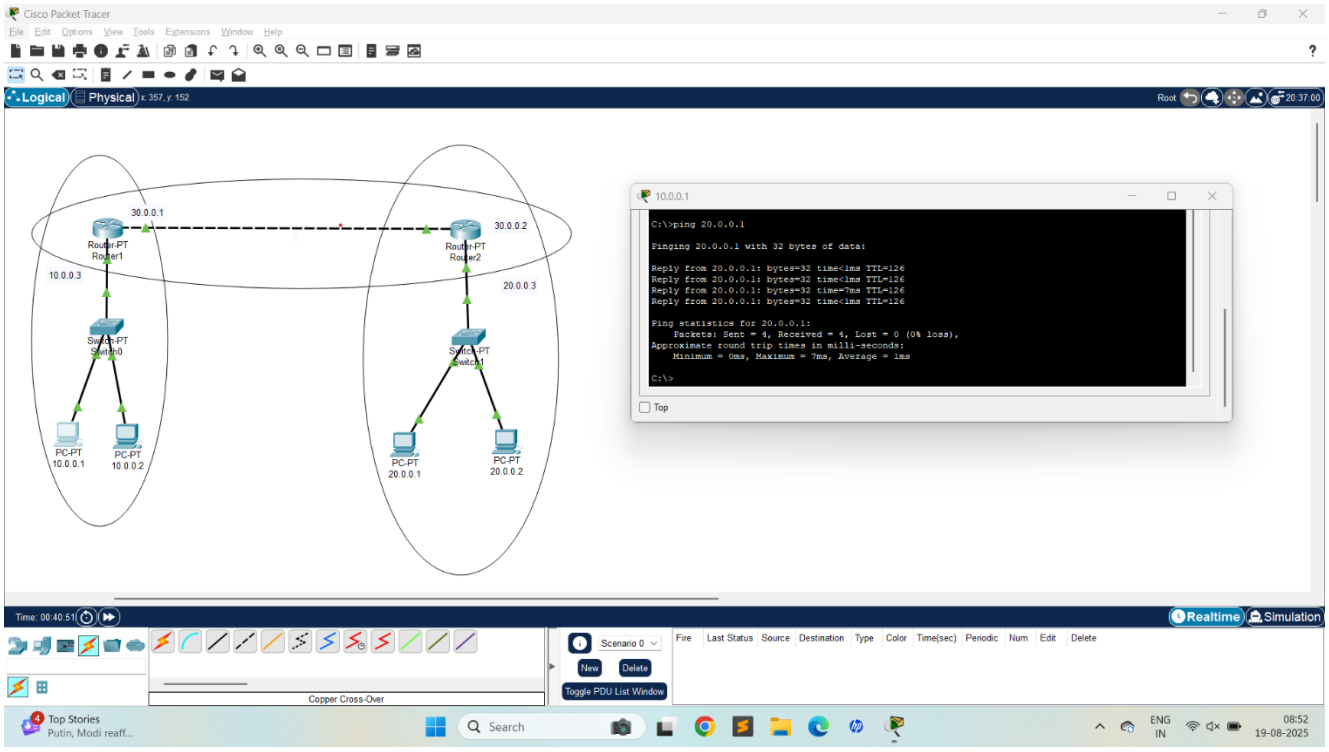
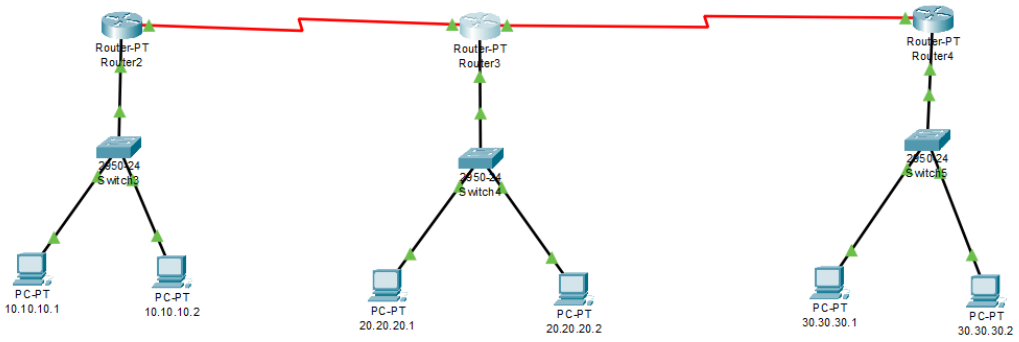
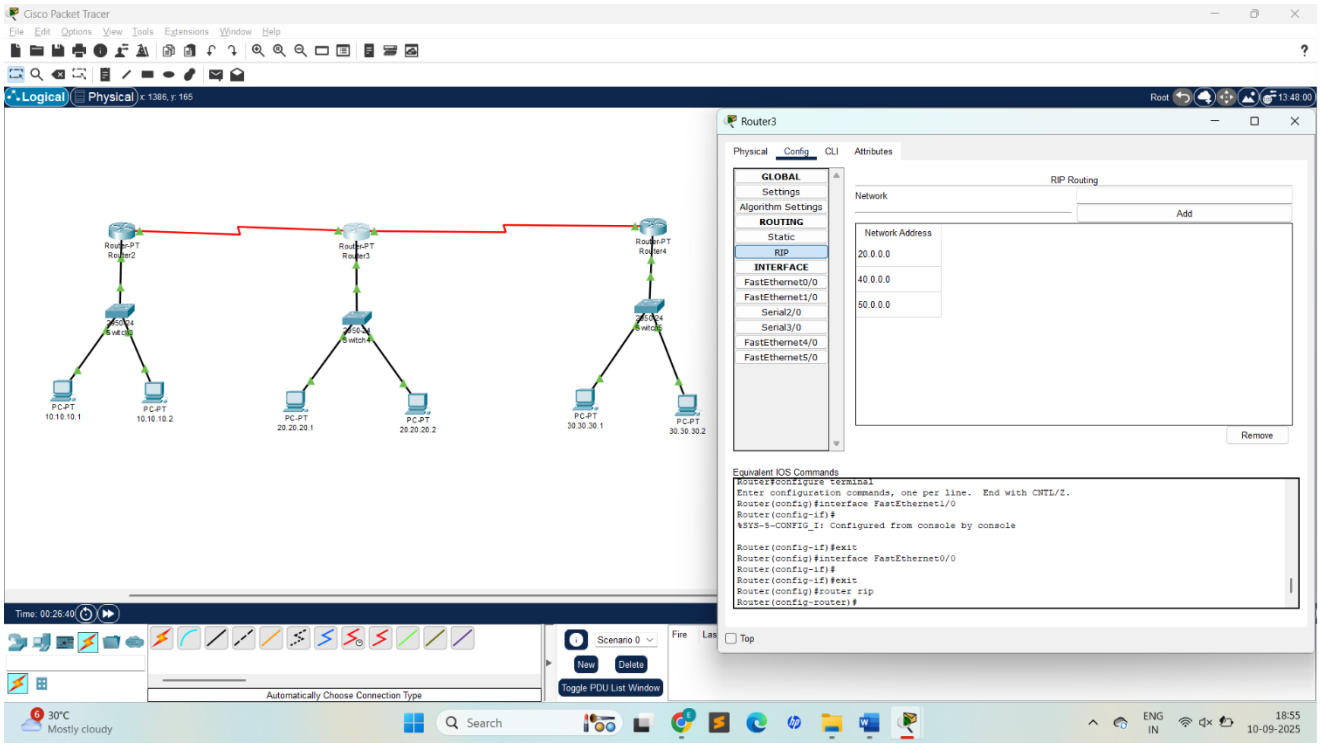

Router1
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
RIP Routing
Network
Add
Network Address
10.0.0.0
30.0.0.0
Remove
Equivalent IOS Commands
%SYS-5-CONFIG_I: Configured from console by console
no network 20.0.0.0
Router(config-router)#network 30.0.0.0
Router(config-router)#
Router(config-router)#
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
30.0.0.1
30.0.0.2
10.0.0.3
20.0.0.3
PC-PT 10.0.0.1
PC-PT 10.0.0.2
PC-PT 20.0.0.1
PC-PT 20.0.0.2


10.0.0.1
C:\>ping 20.0.0.1
Pinging 20.0.0.1 with 32 bytes of data:
Reply from 20.0.0.1: bytes=32 time<1ms TTL=126
Reply from 20.0.0.1: bytes=32 time<1ms TTL=126
Reply from 20.0.0.1: bytes=32 time=7ms TTL=126
Reply from 20.0.0.1: bytes=32 time<1ms TTL=126
Ping statistics for 20.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 7ms, Average = 1ms
C:\>
Top
30.0.0.1
30.0.0.2
10.0.0.3
20.0.0.3
PC-PT 10.0.0.1
PC-PT 10.0.0.2
PC-PT 20.0.0.1
PC-PT 20.0.0.2

Date: / /

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





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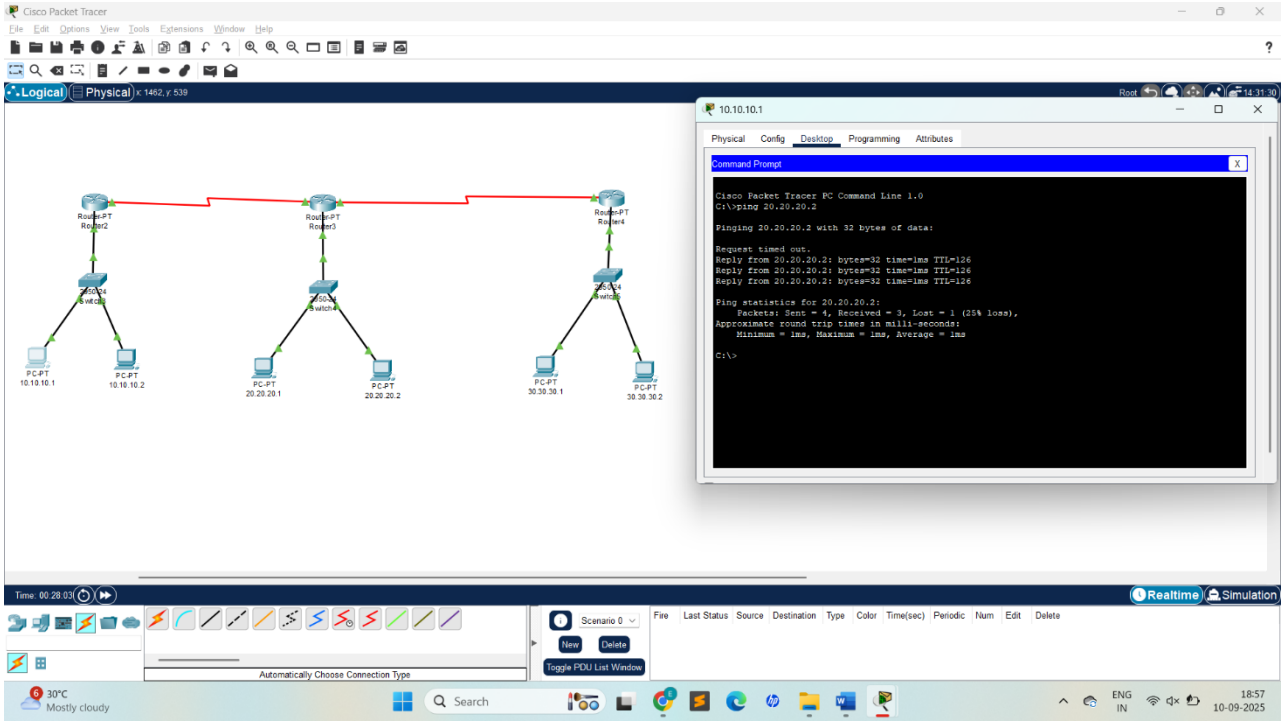
Cisco Packet Tracer
Logical
Physical
10.10.10.1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 20.20.20.2
Pinging 20.20.20.2 with 32 bytes of data:
Request timed out.
Reply from 20.20.20.2: bytes=32 time=1ms TTL=126
Reply from 20.20.20.2: bytes=32 time=1ms TTL=126
Reply from 20.20.20.2: bytes=32 time=1ms TTL=126
Ping statistics for 20.20.20.2:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 1ms, Average = 1ms
C:\>
Realtime
Simulation
Automatically Choose Connection Type
Toggle PDU List Window
Search