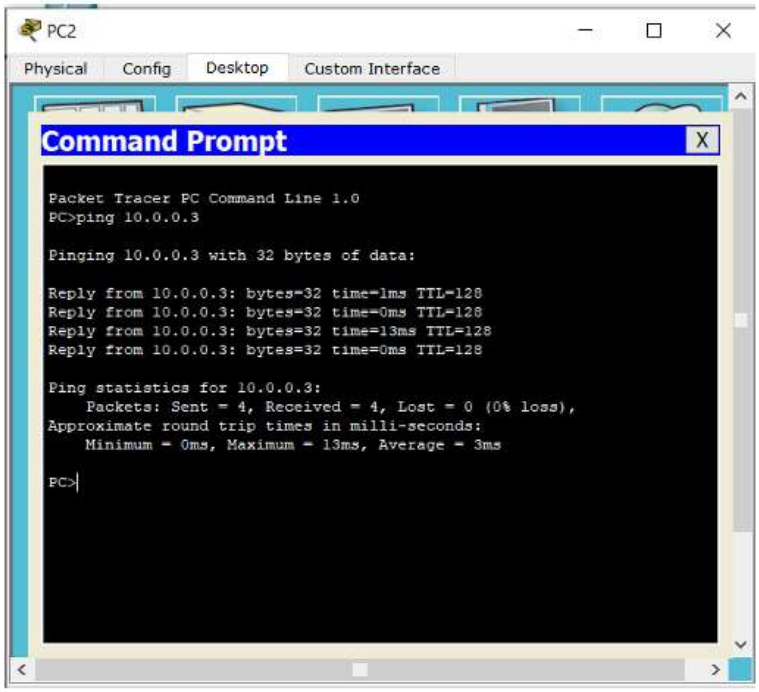
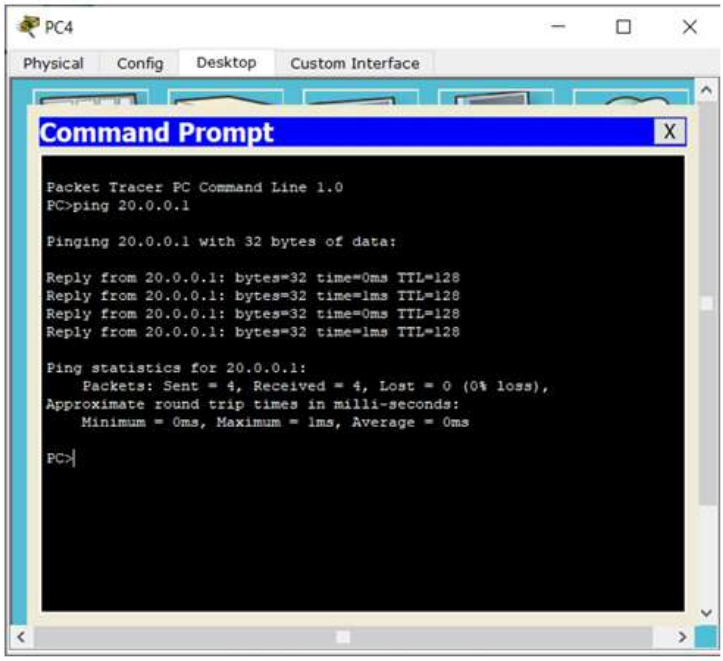
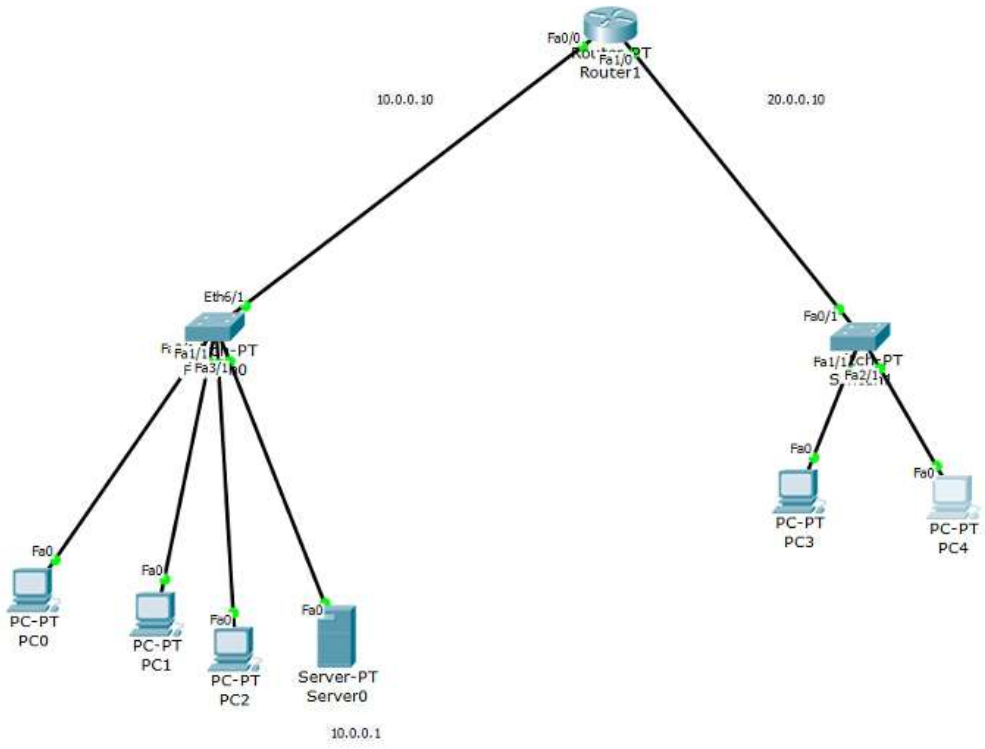
Result:


PC2
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.3
Pinging 10.0.0.3 with 32 bytes of data:
Reply from 10.0.0.3: bytes=32 time=1ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=13ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Ping statistics for 10.0.0.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 13ms, Average = 3ms
PC>


PC4
Physical
Config
Desktop
Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.1
Pinging 20.0.0.1 with 32 bytes of data:
Reply from 20.0.0.1: bytes=32 time=0ms TTL=128
Reply from 20.0.0.1: bytes=32 time=1ms TTL=128
Reply from 20.0.0.1: bytes=32 time=0ms TTL=128
Reply from 20.0.0.1: bytes=32 time=1ms TTL=128
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 = 1ms, Average = 0ms
PC>

Topology:


Fa0/0
Fa1/0
Router1
10.0.0.10
20.0.0.10
Eth6/1
Fa0/1
Fa0
PC-PT
PC0
Fa0
PC-PT
PC1
Fa0
PC-PT
PC2
Fa0
Server-PT
Server0
10.0.0.1
Fa0
PC-PT
PC3
Fa0
PC-PT
PC4

Date __/__/__
Page ____

Output:

Ping 40.0.0.1

Pining 40.0.0.1 with 32 bytes of data

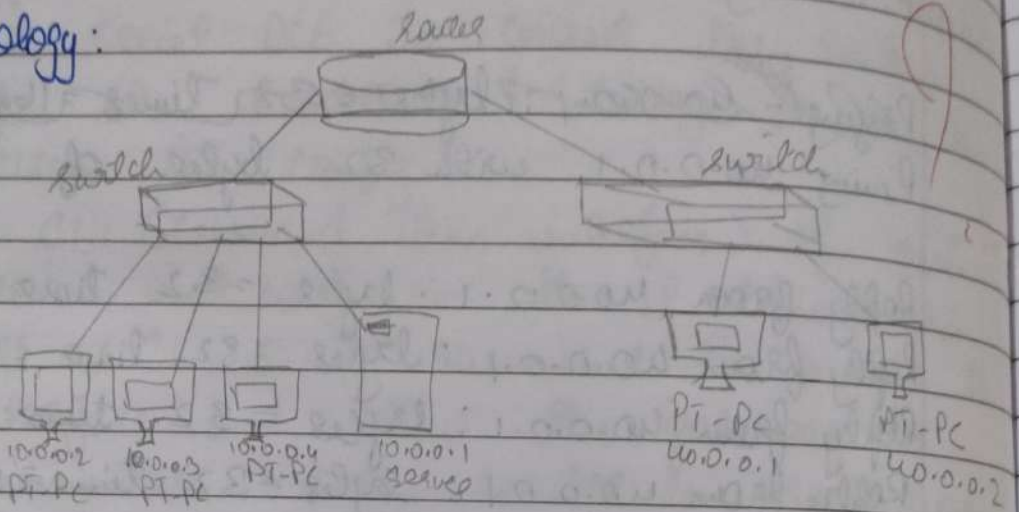
Request timed out
Reply from 40.0.0.1: bytes = 32 time = 20s TTL = 125
Reply from 40.0.0.1: bytes = 32 time = 2ms TTL = 125
Reply from 40.0.0.1: bytes = 32 time = 21ms TTL = 125

Ping statistics for 40.0.0.1:
Packets sent = 4, Recieved = 3 lost = 1
Approx round trip times in milliseconds
min = 2ms, Max = 21, Avg = 16ms

Dynamic Host Configuration Protocol

Aim: To configure DHCP within a LAN and outside LAN

Topology:



Procedure:

- Place 3 PT-PC's and a server under a switch onto the logical interface.
- Place 2 PT-PC's under another switch.
- Place a router and connect the switches to it.
- Configure IP addresses for the router.
- In the server open the services tab and DHCP services, then add two server pools with respective gateways and starting ip address.
- Open CLI of the router to which the server is not connect and type as mentioned below:
  > ip helper address 10.0.0.10