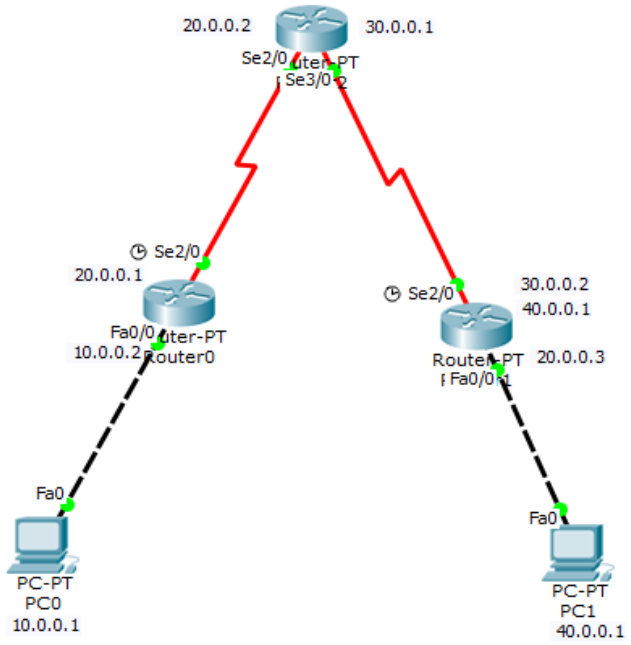
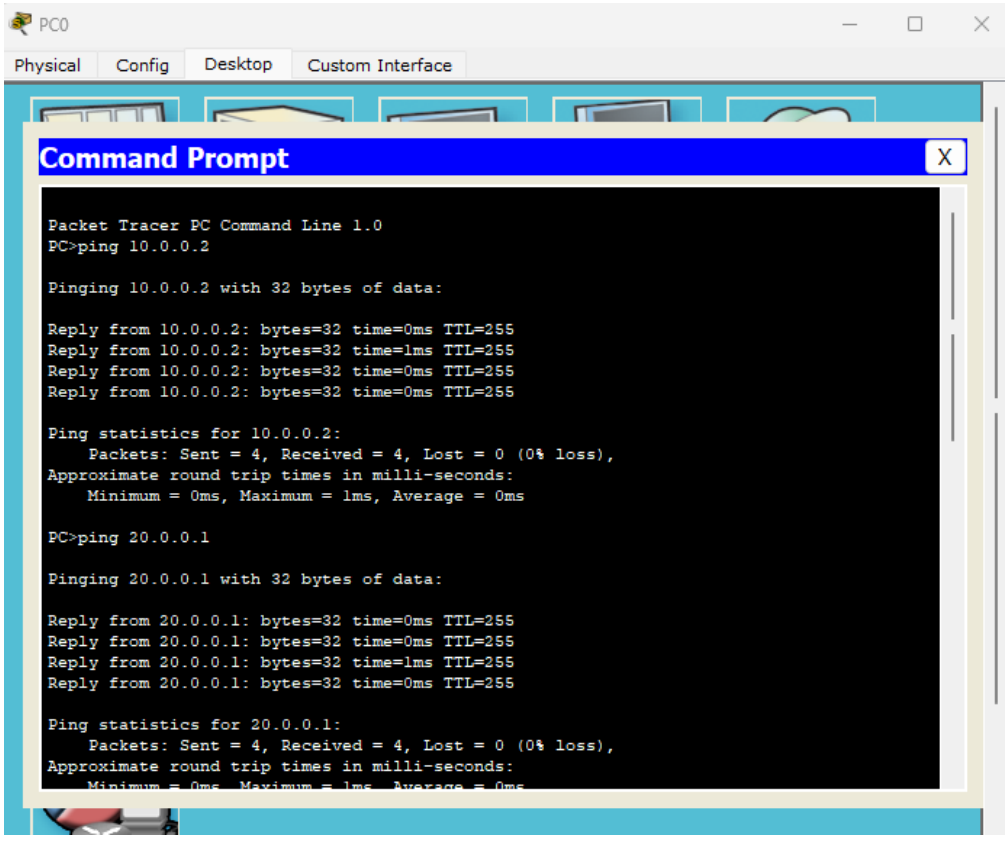
Lab 03

To demonstrate the configuration of default routers to the routers.

Topology:



Output:

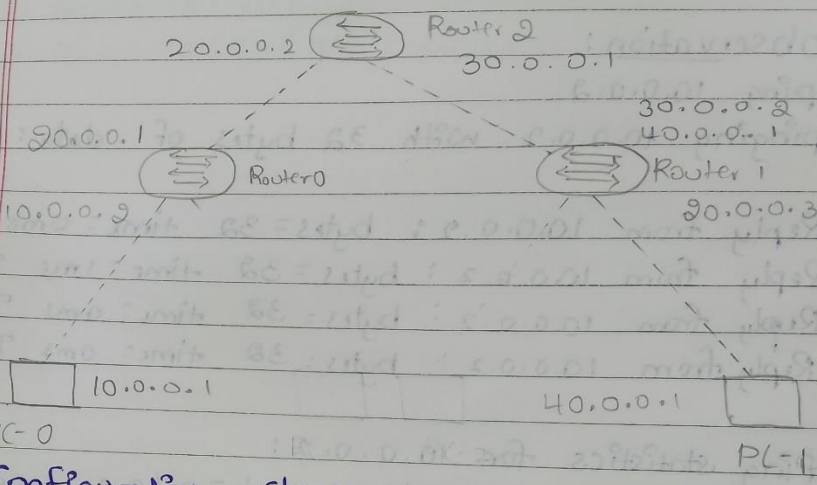


```
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

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=255
Reply from 20.0.0.1: bytes=32 time=0ms TTL=255
Reply from 20.0.0.1: bytes=32 time=1ms TTL=255
Reply from 20.0.0.1: bytes=32 time=0ms TTL=255

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>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
```

Observation:

Lab-03

Aim: To demonstrate the Configuration of default routes to the Router.



Configuration steps

1. In Cisco Packet tracer select 2 PC's & 3 Generic routers in real-time mode.
2. Connect all the devices with cable
3. Set IP addresses & Default Gateways to PC's

IP address: PC-0 = 10.0.0.1 PC1 = 40.0.0.2

Gateway: PC-0 = 10.0.0.2 PC1 = 40.0.0.1

4. For Router0 set IP address as 10.0.0.2 for fastethernet0/0, & 20.0.0.1 for serial2/0
5. For Router1 set IP address as 20.0.0.3 for fastEthernet0/0, 30.0.0.2 for serial 2/0 & 40.0.0.1 for serial3/0.
6. To Configure Router2 set IP address as 20.0.0.2 for ~~Sad~~ Serial2/0 & 30.0.0.1 for serial3/0
7. Once all the configuration done, check

the connection blw all devices.
8. Now packets can be sent from PC0.

Observation:

> ping 10.0.0.2
pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes = 32 time = 0ms TTL=255
Reply from 10.0.0.2: bytes = 32 time = 1ms TTL = 255
Reply from 10.0.0.2: bytes = 32 time = 0ms TTL = 255
Reply from 10.0.0.2: bytes = 32 time = 0ms TTL = 255

Ping statistics for 10.0.0.2:
Packets = 4, Recieved = 4, Lost = 0 (0% loss),

> 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=255
Reply from 20.0.0.1: bytes = 32 time = 0ms TTL = 255
Reply from 20.0.0.1: bytes = 32 time = 1ms TTL = 255
Reply from 20.0.0.1: bytes = 32 time = 0ms TTL = 255

ping statistics for 20.0.0.1:
Packets: 4, Recieved = 4, Lost = 0 (0% loss);

> ping 20.0.0.2
pinging 20.0.0.2 with 32 bytes of data:

Requested timed out.
Requested timed out.
Requested timed out.
Requested timed out.

show ip route

Rw
15/10/24

Show ip route

C 10.0.0.0/8 is directly connected fastEthernet 0/0

C 20.0.0.0/8 is directly connected serial 1/0

S 30.0.0.0/8 [1/0] via 20.0.0.2

S 40.0.0.0/8 [1/0] via 20.0.0.2